LAUCKS TESTING LABORATORIES

SAMPLE DATA PACKAGE

PBS ENGINEERING
&
ENVIRONMENTAL

SDG NO.: CAB36

November 8, 2007

Picric/Picramic*:
We are accredited by NELAP for the attenuation compounds through our SOP LTL-8303 rev. 10 by EPA 8330.

TOC:
Singleton analysis was performed for this project as approved by the client. This modification is less expensive and meets project DQOs but does not meet NELAC guidelines.

Sample Receipt Comments:

The following discrepancies were noted in association with the receipt of these samples.

For sample #4 (16LCMW01DW) one of the 40mL OTWS, clear glass (preserved w/H3PO4) for TOC analysis was received broken. One of three volatiles bottles submitted for 16LCMW435W contained bubbles of less than 1/4 inch in size.

GENERAL REMARKS ON ORGANIC ANALYSES:

The following comments describe general analysis conditions. For remarks specific to the samples reported in this case, see "SPECIFIC REMARKS ON ORGANIC ANALYSIS."

Manual Integrations:
One or more analytes may have been manually integrated on the data system quantitation reports. All manual integrations have been flagged, initialed, and dated by the analyst. A list of the manual integration flags is detailed below.

M	Manual integration due to irregular peak shape
MS	Manual integration due to split peak
MR	Manual integration due to retention time shift
MI	Manual integration of correct isomer
MT	Manual integration due to peak tailing
MB	Manual integration due to irregular baseline

Holding Time Compliance:

Volatile Organic Compounds:
The holding time is 14 days calculated from date of collection in both soil and water samples. All samples were analyzed within holding time.

Semi-Volatile Organic Compounds:
The holding time to extraction is 7 days in water and 14 days in soil calculated from the date of collection. In either case, the holding time from extraction to analysis is 40 days. All samples were extracted and analyzed within holding time.

Picric/Picramic*:
We are accredited by NELAP for the attenuation compounds through our SOP LTL-8303 rev. 10 by EPA 8330.

TOC:
Singleton analysis was performed for this project as approved by the client. This modification is less expensive and meets project DQOs but does not meet NELAC guidelines.

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Holding Time Compliance:

Volatile Organic Compounds:
The holding time is 14 days calculated from date of collection in both soil and water samples. All samples were analyzed within holding time.

Semi-Volatile Organic Compounds:
The holding time to extraction is 7 days in water and 14 days in soil calculated from the date of collection. In either case, the holding time from extraction to analysis is 40 days. All samples were extracted and analyzed within holding time.

Ordnance, PETN/Nitroglycerin, Picric Acid
The holding time to extraction is 7 days in water and 14 days in soil calculated from date of collection. The holding time from extraction to analysis is 40 days. All samples were extracted and analyzed within holding time.

TPH Gasoline Fraction:
The holding time for analysis is 14 days in water and soil calculated from the date of collection. All samples were analyzed within holding times.

TPH Diesel Fraction:
The holding time to extraction, which is calculated from the date of collection, is 7 days for water samples and 14 days for soil samples. In either case, the holding time from extraction to analysis is 40 days. All samples were extracted and analyzed within holding time.

Volatile Fraction (8260):

Quality Control Analyses:
MS/MSD analyses were not performed due to insufficient sample volume. All spiking analytes in the blank spike analysis recovered within control limits.

Semivolatiles Fraction:

Second Source Calibration Verification (ICV):
Analysis of the ICV performed on 10/23/2007 yielded a %D value for 2,4-dinitrophenol that exceeded 25% due to increased response. 2,4-dinitrophenol was not detected in associated samples, no action was taken. In addition, analysis of this ICV also yielded a %D value for benzidine that exceeded 25% due to decreased response. Benzidine is subject to oxidative losses and poor chromatographic behavior. However, because sample results are reported well below the reporting limit (RL) the chance of reporting any false negatives for benzidine at the RL is negligible.

Continuing Calibration Verification (CCV):
Analysis of the CCV performed on 10/25/07 yielded %D values for 2,4-dinitrophenol, 4,6-dinitro-2-methylphenol and indeno(1,2,3-cd)pyrene that exceeded 20% due to increased response. These analytes were not detected in the associated samples.

Surrogate Recoveries:
Analyses of sample extracts16LCMW01SW and 16LCMW02SW yielded low surrogate recoveries for 2-fluorophenol. They recovered at 18 percent (16LCMW02SW) and 17 percent (6LCMW01SW) and the lower control limit is 20 percent. Because all other surrogate recoveries were in control, no further action was taken.

Ordnance Fraction:

All quality control parameters were met.

PETN/Nitroglycerin Fraction:

All quality control parameters were met.

Picric Acid Fraction:

Continuing Calibration Verification (CCV) Analyses:
Analysis of the CCV F9250710.D yielded a %D value for picric acid that exceeded the control limit due to increased response. Picric acid was not present in any of the associated samples. No further action was taken.

NWTPH Gasoline Fraction:

NWTPHG was used to quantitate the samples for gasoline. Gasoline range responses were determined by summing the responses of all components, resolved and unresolved, between toluene and naphthalene. Quantitation was based on the average calibration factor.

All other quality control parameters were met.

NWTPH Diesel Fraction:

NWTPH-Dx was used to quantitate the samples for diesel and oil. Diesel range responses were determined by summing the responses of all components, resolved and unresolved, between C_{12} and C_{24} integrated to a horizontal baseline. Oil range responses were determined by summing the responses of all components, resolved and unresolved, between C_{24} and C_{40} integrated to a horizontal baseline. Quantitation was based on a linear regression.

All quality control parameters were met.

GENERAL REMARKS ON INORGANIC ANALYSES:

The following comments describe general analysis conditions. For remarks specific to the samples reported in this case, see "SPECIFIC REMARKS ON INORGANIC ANALYSES."

ICP-MS Metals:

On the first timed and dated page of each ICP-MS run, the data to be reported or rejected will be tabulated for that run.

Mercury:

For Liquids:
Laucks purchases a 1000 mg/L Hg stock solution from Inorganic Ventures. The 0.5 mg/L working standard is made by diluting 100 µL to 200 mL with 0.15% HNO_3. The calibration curve is made by placing 0, 20, 50, 100, 200, 500 and 1000 µL of the working standard digestion vessels and diluting up to 50 mL. The standard curve is equivalent to 0, 0.2, 0.5, 1.0, 2.0, 5.0 and 10.0 µg/L.

SPECIFIC REMARKS ON INORGANIC ANALYSES:

Holding Time Compliance:

Laucks calculates holding time compliance for inorganic determinations using the date on which reportable data were acquired.

Metals:

The holding time for metals is six months from the date of collection, excepting mercury, which is 28 days. All analyses were performed within holding time.

Miscellaneous:

The following analytes do not have a Contract Laboratory Program holding time. The holding times tabulated below derive from the relevant EPA methods and are applicable when the sample was appropriately preserved and/or cooled. All samples submitted followed the preservation guidelines unless explicitly noted otherwise.

Analyte	Holding Time	Violations
Alkalinity	14 days	None
Chloride	28 days	None
Nitrate	48 hours	None
Nitrite	48 hours	None
Sulfate	28 days	None
Total Organic Carbon	28 days	None
Dissolved Organic Carbon	28 days	None
Total Suspended Solids	7 days	None
Perchlorate	28 days	None
pH	24 hours	None

ICP-MS Metals:

The scandium internal standard percent recoveries for samples 16LCMW435F and 16LCMW02DWF fell outside of the suggested control limits of 30-120%. Beryllium and chromium are associated with this internal standard. Since the scandium recoveries for samples 16LCMW435F and 16LCMW02DWF were within 120% of the following CCV scandium recovery, no corrective action was required. Beryllium and chromium results for samples 16LCMW435F and 16LCMW02DWF were reported as is. Data have not been flagged for these events.

The scandium internal standard percent recoveries for all samples, except for samples 16LCMW435F and 16LCMW02DWF, fell outside of the suggested control limits of 30-120%. Beryllium and chromium are associated with this internal standard. Therefore, results for beryllium and chromium for all samples, except for samples 16LCMW435F and 16LCMW02DWF, were reported from a five fold dilution where the scandium internal standard is within the control limits.

For the run sequence R021858, CCV4 and CCV5 exceeded the upper control limit for beryllium and thallium. All samples contained levels of beryllium and thallium that were less than the CRDL. Quality

control data for beryllium and thallium were reported and were within control limits. No corrective action was required. Data have not been flagged for these events.

For the run sequence R021858, CCV5 exceeded the upper control limit for lead. All samples contained levels of lead that were less than the CRDL. Quality control data for lead were reported and were within control limits. No corrective action was required. Data have not been flagged for this event.

Copper was present in the batch preparation blank at a level greater than ½ the CRDL. All associated samples contained concentrations of copper that were less than the CRDL, therefore no further corrective action was required. Data have not been flagged for this event.

For the run sequence R021858, copper, lead, and zinc were present in the ICSA at concentrations greater than the CRDL. All associated samples contained concentrations of copper, lead, and zinc that were less than the CRDL, therefore no corrective action was required. Data have not been flagged for this event.

Mercury:

No comments.

Miscellaneous Inorganics:

No comments.

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940 S. Harney
Seattle, WA 98108

ABBREVIATIONS

Several abbreviations can appear in our reports. The most commonly employed abbreviations are as follows:

U The analyte of interest was not detected to the limit of detection indicated.

SDL Sample Detection Limit. The SDL can vary from sample to sample, depending on sample size, matrix interferences, moisture content and other sample-specific conditions.

PQL Practical Quantitation Limit. The limit is drawn from the test method and usually represents the SDL multiplied by a matrix-specific factor.

DB Dry Basis. The value reported has been back-calculated to normalize for the moisture content of the sample.

AR As-Received. The value has not been normalized for moisture.

ORGANIC ANALYSES:

B When used in relation to organics fractions, the "B" flag indicates that the analyte of interest was detected in the method blank associated with the sample, as well as in the sample itself. The "B" flag is applied without regard to the relative concentrations detected in the blank and sample.

J The analyte of interest was detected below the routine reporting limit. This value should be regarded as an estimate.

T The flagged values represent the SUM of two co-eluting compounds. The SUM of these two values is shown as though it were a result for each of them. The two figures should not be added together.

E The flagged value was reported from an analysis that exceeded the linear range of the instrument. See additional comments for further discussion of the circumstances. Values so flagged should be considered estimates.

P When a dual column GC technique is employed, this flag indicates that test results from the two columns differ by more than 25%. Generally, we report the higher value.

C The flagged analyte has been confirmed by GC/MS analysis. The value reported may be derived from either the initial of confirmatory (GC/MS) analysis. See specific report comments for details.

CRQL Client requested Quantitation Limit, usually the limit of detection specified at your request. Might also be referred to as Contract Required Quantitation Limit.

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Seattle, WA 98108

INORGANIC ANALYSES:

J 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). If the analyte was analyzed for but not detected, a "U" shall be entered.

E The reported value is estimated because of the presence of interference. The serial dilution was not within control limits.

N Spiked sample recovery not within control limits.

* Duplicate analysis not within control limits.

CRDL Client Requested Detection Limit, usually the limit of detection specified at your request. Might also be referred to as Contract Required Detection Limit.

LAUCKS TESTING LABORATORIES
940 S. Harney
Seattle, WA 98108

RELEASE OF DATA

Laucks certifies that these results meet all requirements of the NELAC standards, except where otherwise noted.

"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 his designee, as verified by the following signature."

Respectfully submitted,

Kara Godineaux
Project Manager

11/8/07
(DATE)

Harry Romberg
Quality Assurance Officer

11/8/07
(DATE)

HOW TO CONTACT US:

All Laucks Testing Laboratories staff members can be reached at the same telephone and facsimile numbers: (206) 767-5060 by phone, (206) 767-5063 by FAX.

REQUESTS FOR DUPLICATE COPIES:

This packet has been checked for accuracy. All pages are present and in sequential order. Please see Attachment B for a detailed record.

In the event that duplicate data copies are needed, Laucks will accommodate your request at a fee of twenty-five cents ($0.25) per copy, plus shipping. If the data are in storage, there will also be a fee for retrieval.

LAUCKS TESTING LABORATORIES
940 S. Harney
Seattle, WA 98108

ATTACHMENT A

Chain-of-Custody Copies

LAUCKS TESTING LABORATORIES, INC. - SAMPLE CONFIRMATION LOG

Sample ID (SDG-#)	VTSR	Collected On	Client ID	150.1 pH, Water	160.2 Total Suspended Solids	300.0 NO3, NO2, Cl, SO4	310.1M Carb./Bicarb. Alkalinity	314.0 Perchlorate	415.1 Dissolved Organic Carbon	415.1 Total Organic Carbon	6020 Diss. Priority Pollutant Metals	6020 Total Priority Pollutant Metals	7470 Diss. Mercury	7470 Total Mercury	8260B VOCs (LTL Routine)	8270C SVOCs (LTL Routine, 2-pH)	8330 Explosives Residues	8332 Nitroglycerin & PETN	LTL8303 Picric Acid	NWTPH Diesel	NWTPH Gas
CAB36-001	09/18/2007 08:10 AM	09/17/2007 11:10 AM	16LCMW01SW	A-	A-	A-	IN	IN		IN		IN		IN	IN	IN	IN	IN	IN	IN	IN
CAB36-002	09/18/2007 08:10 AM	09/17/2007 10:00 AM	16LCMW435W	A-	A-	A-	IN	IN		IN		IN		IN	IN	IN	IN	IN	IN	IN	IN
CAB36-003	09/18/2007 08:10 AM	09/17/2007 12:00 AM	TRIP BLANK												IN						
CAB36-004	09/18/2007 08:10 AM	09/17/2007 01:00 PM	16LCMW01DW	A-	A-	A-	IN	IN		IN		IN		IN	IN	IN	IN	IN	IN	IN	IN
CAB36-005	09/18/2007 08:10 AM	09/17/2007 02:45 PM	16LCMW02SW	A-	A-	A-	IN	IN		IN		IN		IN	IN	IN	IN	IN	IN	IN	IN
CAB36-006	09/18/2007 08:10 AM	09/17/2007 04:30 PM	16LCMW02DW	A-	A-	A-	IN	IN		IN		IN		IN	IN	IN	IN	IN	IN	IN	IN
CAB36-007	09/18/2007 08:10 AM	09/17/2007 11:10 AM	16LCMW01SWF						IN		IN		IN								
CAB36-008	09/18/2007 08:10 AM	09/17/2007 10:00 AM	16LCMW435F						IN		IN		IN								
CAB36-009	09/18/2007 08:10 AM	09/17/2007 02:45 PM	16LCMW02SWF						IN		IN		IN								
CAB36-010	09/18/2007 08:10 AM	09/17/2007 01:00 PM	16LCMW01DWF						IN		IN		IN								
CAB36-011	09/18/2007 08:10 AM	09/17/2007 04:30 PM	16LCMW02DWF						IN		IN		IN								

Approved By: Mara Godineaux On: 9/18/07

Notes:

Samples identified with a '*' client has requested QC for...

LEGEND: -:Started , +:Completed , IN:Logged In , P:Preparation , A:Analysis , X:Cancelled, PL:Pre-logged

FORM LTL-PM-8.0

4176

THIS INFORMATION WILL BE USED FOR REPORTING/BILLING (SEE BELOW)

COMPANY: PBS ENG. & ENV.

ADDRESS: PTLD. OR

ATTENTION: DREW HARVEY

PROJECT NAME: CAMP BONNEVILLE

PROJECT CONTACT: DREW HARVEY

TELEPHONE: FAX:

JOB/P.O. NO.: 70489.000 T6208

CHAIN OF CUSTODY RECORD 44406

SDG # CAB36

PAGE 1 OF 1

WORK ORDER ID#

SUBMITTED AT:

Laucks Testing Laboratories, Inc. 13

940 South Harney St., Seattle, WA 98108 (206) 767-5060 FAX 767-5063

1806 Ledwich Ave., Yakima, WA 98902 (509) 248-4093 FAX 452-1265

LAB SAR	SAMPLE ID / LOCATION	DATE	TIME	MATRIX: WATER, SOIL OR SPECIFY	NO. OF CONTAINERS	VOCs	SVOCs	NWTPH-Gx	NWTPH-Dx EXPD	PETN, NG	RICAC ACID	PERCHLORATE	TOC	*DOC	TSS, ALK, IONS, PH	TOTAL METALS + HG	*DISSOLVED METALS			OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
001	16LCMW01SW	9/17/07	11:10	W	24	X	X	X	X	X	X	X	X	X	X	X	X	X			* field filtered
002	16LCMW435W	9/17/07	10:00	W	3	X														
003	TRIP BLANK	9/17/07	—	W	1	X														
004	16LCMW01DW	9/17/07	13:00	W	3	X														
005	16LCMW02SW	9/17/07	14:45	W	3	X														
006	16LCMW02DW	9/17/07	16:30	W	3	X														
007																				* 16LCMW01SWF Filtered samples -DC 9/18/07

A. A standard turnaround time is assumed unless otherwise marked.

B. The laboratory may not be responsible for missed holding time for samples received with less than 50% of the analytical hold time remaining. Please contact the laboratory for further information.

INSTRUCTIONS

1. USE ONE LINE PER SAMPLE.
2. BE SPECIFIC IN TEST REQUESTS.
3. CHECK OFF TESTS TO BE PERFORMED FOR EACH SAMPLE.

BILLING INFORMATION, IF DIFFERENT THAN ABOVE

NAME ADDRESS

ATTN. CITY, STATE, ZIP

*** RUSH TURNAROUND IS SUBJECT TO PRIOR LABORATORY APPROVAL**

TOTAL NO. OF CONTAINERS

TURNAROUND REQUEST

- [X] STD. 10-14 WORKING DAYS
- * [ ] 24-48 HRS. (100% SUR)
- * [ ] 72 HRS. (75% SUR)
- * [ ] 5 DAYS (50% SUR)
- [ ] OTHER
- [ ] TEMP:

CUSTODY SEAL: [ ] Y [ ] N [ ] N/A

RELINQUISHED BY (SIGN AND PRINT)	DATE / TIME	RECEIVED BY (SIGN AND PRINT)	DATE / TIME
Barb Lary PBS / BARB LARY	9/17/07 5:00pm	/ David Chang	9/18/07 810
/		/	

Finance Charges and/or Collection Fees may be applied to delinquent accounts.

FINAL REPORT COPY

4176

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COMPANY: PBS ENG & ENV.

ADDRESS: PTLD OR

ATTENTION: DREW HARVEY

PROJECT NAME: CAMP BONNEVILLE

PROJECT CONTACT: DREW HARVEY

TELEPHONE: FAX:

JOB/P.O. NO.: 70489.000 6208

CHAIN OF CUSTODY RECORD

44408

SDG # CAB36

PAGE 1 OF 1

WORK ORDER ID#

SUBMITTED AT: ☒ 940 South Harney St., Seattle, WA 98108 (206) 767-5060 FAX 767-5063 ☐ 1106 Ledwich Ave., Yakima, WA 98902 (509) 248-4695 FAX 452-1265

Laucks Testing Laboratories, Inc.

TESTS TO PERFORM

LAB SA#	SAMPLE ID / LOCATION	DATE	TIME	MATRIX: WATER, SOIL OR SPECIFY	NO. OF CONTAINERS	SVOCs (8270)	NWTPH-Gx	NWTPH-Dx	EXPL	PETN NG	PICRIC ACID	TOC	*DOC	TSS, alk, ions, [illegible]	Total metals + Hg	*Dissolved metals				OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
002	16LCMW435W	9/17/07	10:00	W	21	X	X	X	X	X	X	X	X	X	X	X				* field filtered
008																				* 16LCMW435WF
																				Filtered samples
																				-DC 9/18/07

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* ☐ 24-48 HRS. (100% SUR)
* ☐ 72 HRS. (75% SUR)
* ☐ 5 DAYS (50% SUR)
☐ OTHER:
☐ TEMP:

CUSTODY SEAL: ☐ Y ☐ N ☐ N/A

RELINQUISHED BY (SIGN AND PRINT)	DATE / TIME	RECEIVED BY (SIGN AND PRINT)	DATE / TIME
Barb Lang (PBS) / BARB LANG	9/17/07 5:00pm	David Chang	9/18/07 8:10

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COMPANY: PBS ENG & ENV.

ADDRESS: 4412 SW CORBETT AVE
PORTLAND OR 97239

ATTENTION: DREW HARVEY

PROJECT NAME: CAMP BONNEVILLE

PROJECT CONTACT: DREW HARVEY

TELEPHONE: 503-417-7693 FAX: 503-248-0223

JOB/P.O. NO.: 70489.000 T6208

CHAIN OF CUSTODY RECORD

43113

SDG # CAB36

PAGE 1 OF 1

WORK ORDER ID# _____

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X 940 South Harney St., Seattle, WA 98108 (206) 767-5060 FAX 767-5063
☐ 1106 Ledwich Ave., Yakima, WA 98902 (509) 248-4093 FAX 452-1265

15

TESTS TO PERFORM

LAB SA#	SAMPLE ID / LOCATION	DATE	TIME	MATRIX: WATER, SOIL OR SPECIFY	NO. OF CONTAINERS	SVOCs	NWTPH-Dx	NWTPH-Gx	EXPLOSIVES	PETN/NTG	PICRIC ACID	TOC	*DOC	TSS/ALK/IONS/pH	TOTAL METALS Hg	*DISSOLVED METALS Hg	PERCHLORATE			OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
005	16LCMW02SW	9/17/07	1445	WATER	21	X	X	X	X	X	X	X	X	X	X	X	X			* FIELD FILTERED
009																				@ 16LCMW02SWF
																				Filtered Samples
																				-DC 9/18/07

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ATTN. CITY, STATE, ZIP

*** RUSH TURNAROUND IS SUBJECT TO PRIOR LABORATORY APPROVAL**

21 TOTAL NO. OF CONTAINERS

TURNAROUND REQUEST

☑ STD. 10-14 WORKING DAYS

* ☐ 24-48 HRS. (100% SUR)

* ☐ 72 HRS. (75% SUR)

* ☐ 5 DAYS (50% SUR)

☐ OTHER:

☐ TEMP:

CUSTODY SEAL: ☐ Y ☐ N ☐ N/A

RELINQUISHED BY (SIGN AND PRINT)	DATE / TIME	RECEIVED BY (SIGN AND PRINT)	DATE / TIME
Barb Lahy (PBS) / BARB LAHY	9/17/07 5:00pm	/ David Chang	9/18/07 8:10
/		/	

Finance Charges and/or Collection Fees may be applied to delinquent accounts.

FINAL REPORT COPY

4176

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ADDRESS: PTLD. OR

ATTENTION: DREW HARVEY

PROJECT NAME: CAMP BONNEVILLE

PROJECT CONTACT: DREW HARVEY

TELEPHONE: _____ FAX: _____

JOB/P.O. NO.: 70489.000 T6208

CHAIN OF CUSTODY RECORD

44364

SDG # CAB36

PAGE 1 OF 1

WORK ORDER ID# _____

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SUBMITTED AT:

☐ 940 South Harney St., Seattle, WA 98108 (206) 767-5060 FAX 767-5063

☐ 1106 Tedwich Ave., Yakima, WA 98902 (509) 248-4695 FAX 452-1265

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TESTS TO PERFORM

LAB SA#	SAMPLE ID / LOCATION	DATE	TIME	MATRIX: WATER, SOIL OR SPECIFY	NO. OF CONTAINERS	SVOCs	NWTPH-Gx	NWTPH-Dx	Explo.	PETN-NG	Picric Acid	TOC	*DOC	ISS, alk, ions	Total metals	*Dissolved metals				OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
004	16LCMWO1DW	~~9/17/07~~ 9/18/07	13:00	W	21	X	X	X	X	X	X	X	X	X	X	X				*field filtered
010		9/17/07																		*16LCMWO1DWF
																				Filtered samples - DC 9/18/07

1 2 3

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B. The laboratory may not be responsible for missed holding time for samples received with less than 50% of the analytical hold time remaining. Please contact the laboratory for further information.

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ATTN: CITY, STATE, ZIP

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* ☐ 72 HRS. (75% SUR)

* ☐ 5 DAYS (50% SUR)

☐ OTHER: _____

☐ TEMP: _____

CUSTODY SEAL: ☐ Y ☐ N ☐ N/A

RELINQUISHED BY (SIGN AND PRINT)	DATE / TIME	RECEIVED BY (SIGN AND PRINT)	DATE / TIME
Barb Lary (PBS) / BARB LARY	9/17/07 5:00pm	David Chang	9/18/07 810

Finance Charges and/or Collection Fees may be applied to delinquent accounts.

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CHAIN OF CUSTODY RECORD

43114

SDG # CAB36

PAGE _____ OF _____

Laucks Testing Laboratories, Inc. 17

940 South Harney St., Seattle, WA 98108 (206) 767-5060 FAX 767-5063
1806 Ludwig Ave., Yakima, WA 98902 (509) 248-4695 FAX 452-1265

WORK ORDER ID# _____ SUBMITTED AT:

THIS INFORMATION WILL BE USED FOR REPORTING/BILLING (SEE BELOW)

COMPANY: PBS ENG. + ENV.

ADDRESS: PORTLAND OR

ATTENTION: DREW HARVEY

PROJECT NAME: CAMP BONNEVILLE

PROJECT CONTACT: DREW HARVEY

TELEPHONE: _____ FAX: _____

JOB/P.O. NO.: 70489.000 T6208

TESTS TO PERFORM

LAB SA#	SAMPLE ID / LOCATION	DATE	TIME	MATRIX: WATER, SOIL OR SPECIFY	NO. OF CONTAINERS	SVOCs	EXPL.	PETN/NG	RDX (EPA 8330)	NWTPH-DX	NWTPH-GX	TOC	*DOC	*TOTAL METALS (EPA 6010)	*DISSOLVED METALS (EPA 6010)	PERCHLORATE	TSS (MCKINLEY LABS)	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
006	16LCMW02DW	9/17/07	16:30	W	21	X	X	X	X	X	X	X	X	X	X	X	X	*field filtered * 16LCMW02MW= Filtered Samples -DC 9/18/07
011																		

A. A standard turnaround time is assumed unless otherwise marked.

B. The laboratory may not be responsible for missed holding time for samples received with less than 50% of the analytical hold time remaining. Please contact the laboratory for further information.

INSTRUCTIONS

1. USE ONE LINE PER SAMPLE.
2. BE SPECIFIC IN TEST REQUESTS.
3. CHECK OFF TESTS TO BE PERFORMED FOR EACH SAMPLE.

BILLING INFORMATION, IF DIFFERENT THAN ABOVE

NAME ADDRESS

ATTN: CITY, STATE, ZIP

*** RUSH TURNAROUND IS SUBJECT TO PRIOR LABORATORY APPROVAL**

TOTAL NO. OF CONTAINERS

TURNAROUND REQUEST

- ☐ STD. 10-14 WORKING DAYS
- * ☐ 24-48 HRS. (100% SUR)
- * ☐ 72 HRS. (75% SUR)
- * ☐ 5 DAYS (50% SUR)
- ☐ OTHER: _____
- ☐ TEMP: _____

CUSTODY SEAL: ☐ Y ☐ N ☐ N/A

RELINQUISHED BY (SIGN AND PRINT)	DATE / TIME	RECEIVED BY (SIGN AND PRINT)	DATE / TIME
Barb Lary (PBS) BARB LARY	9/17/07 5:00pm	David Chang	9/18/07 810

Finance Charges and/or Collection Fees may be applied to delinquent accounts.

FINAL REPORT COPY

Cooler Receipt Form
Laucks Testing Laboratories, Inc.

SDG: CAB36 Taken By: CLIENT

Cooler: AAD414 Transferred: FED EX

COC #: 43114

Project: Camp Bonneville (PBS Engineering and Environmental)

Date samples were received at the laboratory: **9/18/2007**

Date cooler was opened: **9/18/2007 8:10AM**

A. PRELIMINARY EXAMINATION PHASE:

1. Did cooler come with a shipping slip (airbill, etc.)? ..... **YES**
   if YES, record carrier name and airbill number: **862054469048**
2. Were custody seals unbroken and intact at the date and time of arrival? ..... **INTACT**
   Date On Custody Seal: Custody Seals Description: **ONE IN FRONT**
3. Were custody papers sealed in a plastic bag and taped inside to the lid? ..... **YES**
4. Did you screen samples for radioactivity using the Geiger Counter? ..... **NO**
5. Were custody papers filled out properly (ink, signed, etc.)? ..... **YES**
6. Did you sign custody papers in the appropriate place? ..... **YES**
7. If required, was enough cooling material present? ..... **YES**
8. Have designated person initial here to acknowledge receipt of cooler: DMC

B. LOG-IN PHASE:

Date samples were logged-in: **9/18/2007 8:20AM**

Logged-in by David Duk-Su-Chang (sign)

9. Describe type of packing in cooler:

   ICE

10. Were all bottles sealed in separate plastic bags? ..... **YES**
11. Were labels in good condition? ..... **YES**
12. Were all bottle labels complete (ID,date,time signature,preservative,etc.)? ..... **YES**
13. Did all bottle labels agree with custody papers? ..... **YES**
14. Were correct containers used for the tests indicated? ..... **YES**
15. Were the correct pHs observed? ..... **YES**
16. Was a sufficient amount of sample sent for tests indicated? ..... **YES**
17. Were bubbles absent in VOA samples? ..... **YES**
18. Temperatures: **2.0**

DISCREPANCIES:

Cooler Receipt Form
Laucks Testing Laboratories, Inc.

SDG: CAB36 Taken By: CLIENT

Cooler: AAD494 Transferred: FED EX

COC #: 44406

Project: Camp Bonneville (PBS Engineering and Environmental)

Date samples were received at the laboratory: **9/18/2007**

Date cooler was opened: **9/18/2007 8:10AM**

A. PRELIMINARY EXAMINATION PHASE:

1. Did cooler come with a shipping slip (airbill, etc.)? ..... **YES**
   if YES, record carrier name and airbill number: **795503536350**
2. Were custody seals unbroken and intact at the date and time of arrival? ..... **INTACT**
   Date On Custody Seal: Custody Seals Description: **ONE IN FRONT**
3. Were custody papers sealed in a plastic bag and taped inside to the lid? ..... **YES**
4. Did you screen samples for radioactivity using the Geiger Counter? ..... **NO**
5. Were custody papers filled out properly (ink, signed, etc.)? ..... **YES**
6. Did you sign custody papers in the appropriate place? ..... **YES**
7. If required, was enough cooling material present? ..... **YES**
8. Have designated person initial here to acknowledge receipt of cooler: DDC

B. LOG-IN PHASE: Date samples were logged-in: **9/18/2007 8:20AM**

Logged-in by David Duk-Su-Chang (sign)

9. Describe type of packing in cooler:

   ICE

10. Were all bottles sealed in separate plastic bags? ..... **YES**
11. Were labels in good condition? ..... **YES**
12. Were all bottle labels complete (ID,date,time signature,preservative,etc.)? ..... **YES**
13. Did all bottle labels agree with custody papers? ..... **YES**
14. Were correct containers used for the tests indicated? ..... **YES**
15. Were the correct pHs observed? ..... **YES**
16. Was a sufficient amount of sample sent for tests indicated? ..... **YES**
17. Were bubbles absent in VOA samples? ..... **NO**
18. Temperatures: **4.8**

DISCREPANCIES:

Cooler Receipt Form
Laucks Testing Laboratories, Inc.

SDG: CAB36 Taken By: CLIENT

Cooler: AAD651 Transferred: FED EX

COC #: 43113

Project: Camp Bonneville (PBS Engineering and Environmental)

Date samples were received at the laboratory: **9/18/2007**

Date cooler was opened: **9/18/2007 8:10AM**

A. PRELIMINARY EXAMINATION PHASE:

1. Did cooler come with a shipping slip (airbill, etc.)? ..... **YES**
   if YES, record carrier name and airbill number: **795503536360**
2. Were custody seals unbroken and intact at the date and time of arrival? ..... **INTACT**
   Date On Custody Seal: Custody Seals Description: **ONE IN FRONT**
3. Were custody papers sealed in a plastic bag and taped inside to the lid? ..... **YES**
4. Did you screen samples for radioactivity using the Geiger Counter? ..... **NO**
5. Were custody papers filled out properly (ink, signed, etc.)? ..... **YES**
6. Did you sign custody papers in the appropriate place? ..... **YES**
7. If required, was enough cooling material present? ..... **YES**
8. Have designated person initial here to acknowledge receipt of cooler: DDC

B. LOG-IN PHASE:

Date samples were logged-in: **9/18/2007 8:20AM**

Logged-in by David Duk-Su-Chang (sign)

9. Describe type of packing in cooler:

   ICE

10. Were all bottles sealed in separate plastic bags? ..... **YES**
11. Were labels in good condition? ..... **YES**
12. Were all bottle labels complete (ID,date,time signature,preservative,etc.)? ..... **YES**
13. Did all bottle labels agree with custody papers? ..... **YES**
14. Were correct containers used for the tests indicated? ..... **YES**
15. Were the correct pHs observed? ..... **YES**
16. Was a sufficient amount of sample sent for tests indicated? ..... **YES**
17. Were bubbles absent in VOA samples? ..... **YES**
18. Temperatures: **2.6**

DISCREPANCIES:

Cooler Receipt Form
Laucks Testing Laboratories, Inc.

SDG: CAB36 Taken By: CLIENT

Cooler: AAD703 Transferred: FED EX

COC #: 44408

Project: Camp Bonneville (PBS Engineering and Environmental)

Date samples were received at the laboratory: **9/18/2007**

Date cooler was opened: **9/18/2007 8:10AM**

A. PRELIMINARY EXAMINATION PHASE:

1. Did cooler come with a shipping slip (airbill, etc.)? ..... **YES**
   if YES, record carrier name and airbill number: **795503536349**
2. Were custody seals unbroken and intact at the date and time of arrival? ..... **INTACT**
   Date On Custody Seal: Custody Seals Description: **TWO IN FRONT**
3. Were custody papers sealed in a plastic bag and taped inside to the lid? ..... **YES**
4. Did you screen samples for radioactivity using the Geiger Counter? ..... **NO**
5. Were custody papers filled out properly (ink, signed, etc.)? ..... **YES**
6. Did you sign custody papers in the appropriate place? ..... **YES**
7. If required, was enough cooling material present? ..... **YES**
8. Have designated person initial here to acknowledge receipt of cooler: DDC

B. LOG-IN PHASE:

Date samples were logged-in: **9/18/2007 8:20AM**

Logged-in by David Duk-Su-Chang (sign) _____

9. Describe type of packing in cooler:

   ICE

10. Were all bottles sealed in separate plastic bags? ..... **YES**
11. Were labels in good condition? ..... **YES**
12. Were all bottle labels complete (ID,date,time signature,preservative,etc.)? ..... **YES**
13. Did all bottle labels agree with custody papers? ..... **YES**
14. Were correct containers used for the tests indicated? ..... **YES**
15. Were the correct pHs observed? ..... **YES**
16. Was a sufficient amount of sample sent for tests indicated? ..... **YES**
17. Were bubbles absent in VOA samples? ..... **YES**
18. Temperatures: **2.2**

DISCREPANCIES:

Cooler Receipt Form
Laucks Testing Laboratories, Inc.

SDG: CAB36 Taken By: CLIENT

Cooler: AAK742 Transferred: FED EX

COC #: 44364

Project: Camp Bonneville (PBS Engineering and Environmental)

Date samples were received at the laboratory: **9/18/2007**

Date cooler was opened: **9/18/2007 8:10AM**

A. PRELIMINARY EXAMINATION PHASE:

1. Did cooler come with a shipping slip (airbill, etc.)? ..... **YES**
   if YES, record carrier name and airbill number: **795503536371**
2. Were custody seals unbroken and intact at the date and time of arrival? ..... **INTACT**
   Date On Custody Seal: Custody Seals Description: **ONE IN FRONT**
3. Were custody papers sealed in a plastic bag and taped inside to the lid? ..... **YES**
4. Did you screen samples for radioactivity using the Geiger Counter? ..... **NO**
5. Were custody papers filled out properly (ink, signed, etc.)? ..... **YES**
6. Did you sign custody papers in the appropriate place? ..... **YES**
7. If required, was enough cooling material present? ..... **YES**
8. Have designated person initial here to acknowledge receipt of cooler: DC

B. LOG-IN PHASE: Date samples were logged-in: **9/18/2007 8:20AM**

Logged-in by David Duk-Su-Chang (sign) _____

9. Describe type of packing in cooler:

   ICE

10. Were all bottles sealed in separate plastic bags? ..... **YES**
11. Were labels in good condition? ..... **YES**
12. Were all bottle labels complete (ID,date,time signature,preservative,etc.)? ..... **YES**
13. Did all bottle labels agree with custody papers? ..... **YES**
14. Were correct containers used for the tests indicated? ..... **YES**
15. Were the correct pHs observed? ..... **YES**
16. Was a sufficient amount of sample sent for tests indicated? ..... **YES**
17. Were bubbles absent in VOA samples? ..... **YES**
18. Temperatures: **2.1**

DISCREPANCIES:

SAMPLE 4: ONE 40ML OTWS, CLEAR GLASS H3PO4 PRESERVED BOTTLE FOR TOC RECEIVED BROKEN

Supplemental Sample Receipt Log
Laucks Testing Laboratories

SDG: CAB36
Cooler: AAD414
Temperatures: 2.0
COC #: 43114

Sample	Bottle #	Bottle Description	pH	Bubbles
CAB36-006	0004	1000 mL boston round, amber glass	7	N/A
	0005	1000 mL boston round, amber glass	7	N/A
	0006	1000 mL boston round, amber glass	7	N/A
	0007	1000 mL boston round, amber glass	7	N/A
	0008	1000 mL boston round, amber glass	7	N/A
	0009	1000 mL boston round, amber glass	7	N/A
	0010	1000 mL boston round, amber glass	7	N/A
	0011	1000 mL boston round, amber glass	7	N/A
	0012	1000 mL cylinder, poly	7	N/A
	0013	1000 mL cylinder, poly, HNO3	<2	N/A
	0014	40 ml OTWS, clear glass, H3PO4	N/C	N/A
	0015	40 ml OTWS, clear glass, H3PO4	N/C	N/A
	0016	40 ml OTWS, clear glass, HCl	N/C	None
	0017	40 ml OTWS, clear glass, HCl	N/C	None
	0018	40 ml OTWS, clear glass, HCl	N/C	None
	0019	500 ml boston round, clear glass, HCl	<2	N/A
	0020	500 ml boston round, clear glass, HCl	<2	N/A
	0021	500 ml cylinder, poly	7	N/A
CAB36-011	0001	1000 mL cylinder, poly, HNO3 Filtered	<2	N/A
	0002	40 ml OTWS, clear glass, H3PO4	N/C	N/A
	0003	40 ml OTWS, clear glass, H3PO4	N/C	N/A

Allowable temperature and pH ranges (neutral pH defined as a value between 5 and 9)

Temperature	Allowable temperature range is 4+/- 2 degrees Celsius
Acid Preserved pH	pH must be less than 2
Base Preserved pH	pH must be greater than 12
NC	Not Checked for pH

Supplemental Sample Receipt Log
Laucks Testing Laboratories

SDG: CAB36
Cooler: AAD494
Temperatures: 4.8
COC #: 44406

Sample	Bottle #	Bottle Description	pH	Bubbles
CAB36-001	0001	1000 mL boston round, amber glass	7	N/A
	0002	1000 mL boston round, amber glass	7	N/A
	0003	1000 mL boston round, amber glass	7	N/A
	0004	1000 mL boston round, amber glass	7	N/A
	0005	1000 mL boston round, amber glass	7	N/A
	0006	1000 mL boston round, amber glass	7	N/A
	0007	1000 mL boston round, amber glass	7	N/A
	0008	1000 mL boston round, amber glass	7	N/A
	0009	1000 mL cylinder, poly	7	N/A
	0010	1000 mL cylinder, poly, HNO3	<2	N/A
	0011	40 ml OTWS, clear glass, H3PO4	N/C	N/A
	0012	40 ml OTWS, clear glass, H3PO4	N/C	N/A
	0013	40 ml OTWS, clear glass, HCl	N/C	None
	0014	40 ml OTWS, clear glass, HCl	N/C	None
	0015	40 ml OTWS, clear glass, HCl	N/C	None
	0016	40 ml OTWS, clear glass, HCl	N/C	None
	0017	40 ml OTWS, clear glass, HCl	N/C	None
	0018	40 ml OTWS, clear glass, HCl	N/C	None
	0019	500 ml boston round, clear glass, HCl	<2	N/A
	0020	500 ml boston round, clear glass, HCl	<2	N/A
	0021	500 ml cylinder, poly	7	N/A
CAB36-002	0001	40 ml OTWS, clear glass, HCl	N/C	< 1/4
	0002	40 ml OTWS, clear glass, HCl	N/C	None
	0003	40 ml OTWS, clear glass, HCl	N/C	None
CAB36-003	0001	40 ml OTWS, clear glass, HCl	N/C	None
CAB36-004	0001	40 ml OTWS, clear glass, HCl	N/C	None
	0002	40 ml OTWS, clear glass, HCl	N/C	None
	0003	40 ml OTWS, clear glass, HCl	N/C	None
CAB36-005	0001	40 ml OTWS, clear glass, HCl	N/C	None
	0002	40 ml OTWS, clear glass, HCl	N/C	None
	0003	40 ml OTWS, clear glass, HCl	N/C	None

Allowable temperature and pH ranges (neutral pH defined as a value between 5 and 9)

Temperature	Allowable temperature range is 4+/- 2 degrees Celsius
Acid Preserved pH	pH must be less than 2
Base Preserved pH	pH must be greater than 12
NC	Not Checked for pH

Supplemental Sample Receipt Log
Laucks Testing Laboratories

SDG: CAB36

Cooler: AAD494

Temperatures: 4.8

COC #: 44406

Sample	Bottle #	Bottle Description	pH	Bubbles
CAB36-006	0001	40 ml OTWS, clear glass, HCl	N/C	None
	0002	40 ml OTWS, clear glass, HCl	N/C	None
	0003	40 ml OTWS, clear glass, HCl	N/C	None
CAB36-007	0001	1000 mL cylinder, poly, HNO3 Filtered	<2	N/A
	0002	40 ml OTWS, clear glass, H3PO4	N/C	N/A
	0003	40 ml OTWS, clear glass, H3PO4	N/C	N/A

Allowable temperature and pH ranges (neutral pH defined as a value between 5 and 9)

Temperature	Allowable temperature range is 4+/- 2 degrees Celsius
Acid Preserved pH	pH must be less than 2
Base Preserved pH	pH must be greater than 12
NC	Not Checked for pH

Supplemental Sample Receipt Log
Laucks Testing Laboratories

SDG: CAB36
Cooler: AAD651
Temperatures: 2.6
COC #: 43113

Sample	Bottle #	Bottle Description	pH	Bubbles
CAB36-005	0004	1000 mL boston round, amber glass	7	N/A
	0005	1000 mL boston round, amber glass	7	N/A
	0006	1000 mL boston round, amber glass	7	N/A
	0007	1000 mL boston round, amber glass	7	N/A
	0008	1000 mL boston round, amber glass	7	N/A
	0009	1000 mL boston round, amber glass	7	N/A
	0010	1000 mL boston round, amber glass	7	N/A
	0011	1000 mL boston round, amber glass	7	N/A
	0012	1000 mL cylinder, poly	7	N/A
	0013	1000 mL cylinder, poly, HNO3	<2	N/A
	0014	40 ml OTWS, clear glass, H3PO4	N/C	N/A
	0015	40 ml OTWS, clear glass, H3PO4	N/C	N/A
	0016	40 ml OTWS, clear glass, HCl	N/C	None
	0017	40 ml OTWS, clear glass, HCl	N/C	None
	0018	40 ml OTWS, clear glass, HCl	N/C	None
	0019	500 ml boston round, clear glass, HCl	<2	N/A
	0020	500 ml boston round, clear glass, HCl	<2	N/A
	0021	500 ml cylinder, poly	7	N/A
CAB36-009	0001	1000 mL cylinder, poly, HNO3 Filtered	<2	N/A
	0002	40 ml OTWS, clear glass, H3PO4	N/C	N/A
	0003	40 ml OTWS, clear glass, H3PO4	N/C	N/A

Allowable temperature and pH ranges (neutral pH defined as a value between 5 and 9)

Temperature	Allowable temperature range is 4+/- 2 degrees Celsius
Acid Preserved pH	pH must be less than 2
Base Preserved pH	pH must be greater than 12
NC	Not Checked for pH

Supplemental Sample Receipt Log
Laucks Testing Laboratories

SDG: CAB36
Cooler: AAD703
Temperatures: 2.2
COC #: 44408

Sample	Bottle #	Bottle Description	pH	Bubbles
CAB36-002	0004	1000 mL boston round, amber glass	7	N/A
	0005	1000 mL boston round, amber glass	7	N/A
	0006	1000 mL boston round, amber glass	7	N/A
	0007	1000 mL boston round, amber glass	7	N/A
	0008	1000 mL boston round, amber glass	7	N/A
	0009	1000 mL boston round, amber glass	7	N/A
	0010	1000 mL boston round, amber glass	7	N/A
	0011	1000 mL boston round, amber glass	7	N/A
	0012	1000 mL cylinder, poly	7	N/A
	0013	1000 mL cylinder, poly, HNO3	<2	N/A
	0014	40 ml OTWS, clear glass, H3PO4	N/C	N/A
	0015	40 ml OTWS, clear glass, H3PO4	N/C	N/A
	0016	40 ml OTWS, clear glass, HCl	N/C	None
	0017	40 ml OTWS, clear glass, HCl	N/C	None
	0018	40 ml OTWS, clear glass, HCl	N/C	None
	0019	500 ml boston round, clear glass, HCl	<2	N/A
	0020	500 ml boston round, clear glass, HCl	<2	N/A
	0021	500 ml cylinder, poly	7	N/A
CAB36-008	0001	1000 mL cylinder, poly, HNO3 Filtered	<2	N/A
	0002	40 ml OTWS, clear glass, H3PO4	N/C	N/A
	0003	40 ml OTWS, clear glass, H3PO4	N/C	N/A

Allowable temperature and pH ranges (neutral pH defined as a value between 5 and 9)

Temperature	Allowable temperature range is 4+/- 2 degrees Celsius
Acid Preserved pH	pH must be less than 2
Base Preserved pH	pH must be greater than 12
NC	Not Checked for pH

Supplemental Sample Receipt Log
Laucks Testing Laboratories

SDG: CAB36
Cooler: AAK742
Temperatures: 2.1
COC #: 44364

Sample	Bottle #	Bottle Description	pH	Bubbles
CAB36-004	0004	1000 mL boston round, amber glass	7	N/A
	0005	1000 mL boston round, amber glass	7	N/A
	0006	1000 mL boston round, amber glass	7	N/A
	0007	1000 mL boston round, amber glass	7	N/A
	0008	1000 mL boston round, amber glass	7	N/A
	0009	1000 mL boston round, amber glass	7	N/A
	0010	1000 mL boston round, amber glass	7	N/A
	0011	1000 mL boston round, amber glass	7	N/A
	0012	1000 mL cylinder, poly	7	N/A
	0013	1000 mL cylinder, poly, HNO3	<2	N/A
	0014	40 ml OTWS, clear glass, H3PO4	N/C	N/A
	0015	40 ml OTWS, clear glass, HCl	N/C	None
	0016	40 ml OTWS, clear glass, HCl	N/C	None
	0017	40 ml OTWS, clear glass, HCl	N/C	None
	0018	500 ml boston round, clear glass, HCl	<2	N/A
	0019	500 ml boston round, clear glass, HCl	<2	N/A
	0020	500 ml cylinder, poly	7	N/A
CAB36-010	0001	1000 mL cylinder, poly, HNO3 Filtered	<2	N/A
	0002	40 ml OTWS, clear glass, H3PO4	N/C	N/A
	0003	40 ml OTWS, clear glass, H3PO4	N/C	N/A

Allowable temperature and pH ranges (neutral pH defined as a value between 5 and 9)

Temperature	Allowable temperature range is 4+/- 2 degrees Celsius
Acid Preserved pH	pH must be less than 2
Base Preserved pH	pH must be greater than 12
NC	Not Checked for pH

LAUCKS TESTING LABORATORIES
940 S. Harney
Seattle, WA 98108

ATTACHMENT B

Index

LAUCKS TESTING LABORATORIES
940 S. Harney
Seattle, WA 98108

PBS Engineering & Environmental

SDG No.: CAB36

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Completed and checked by: JENNI GROSS Date: 11/9/07

FORM SUMMARY

SDG # CAB36

Volatiles Analysis

2

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Laucks Testing Labs Contract:

SDG No.: CAB36 Run Sequence: R021794

Level: (LOW/MED) NONE

CLIENT SAMPLE NUMBER	SMC1 (DBF) #	SMC2 (DCA) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
(CAB36-006) 16LCMW02DW	105	106	104	107	0
(CAB36-005) 16LCMW02SW	103	105	103	107	0
(CAB36-004) 16LCMW01DW	103	105	105	107	0
(CAB36-002) 16LCMW435W	104	105	105	103	0
(CAB36-001) 16LCMW01SW	104	106	102	107	0
(CAB36-003) TRIP BLANK	102	103	103	107	0
(B092107MVOWM2) B092107MVOWM2	101	103	103	105	0
(S092107MVOWM1) S092107MVOWM1	101	97	102	95	0

		QC LIMITS
SMC1 (DBF) =	Dibromofluoromethane	85-115
SMC2 (DCA) =	1,2-Dichloroethane-d4	70-120
SMC3 (TOL) =	Toluene-d8	85-120
SMC4 (BFB) =	4-Bromofluorobenzene	75-120

Column to be used to flag recovery values
* Values outside of contract required QC limits

3B
WATER VOLATILE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R021794 SDG No.: CAB36

BS Lab Sample ID: S092107MVOWM1

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
Dichlorodifluoromethane	50.0	39.17	78	30-155
Chloromethane	50.0	45.36	91	40-125
Vinyl chloride	50.0	48.88	98	50-145
Bromomethane	50.0	52.94	106	30-145
Chloroethane	50.0	50.95	102	60-135
Trichlorofluoromethane	50.0	55.9	112	60-145
1,1-Dichloroethene	50.0	45.35	91	70-130
Acetone	50.0	56.54	113	40-140
Carbon disulfide	50.0	53.79	108	35-160
Methylene chloride	50.0	45.08	90	55-140
trans-1,2-Dichloroethene	50.0	46.9	94	60-140
1,1-Dichloroethane	50.0	47.62	95	70-135
cis-1,2-Dichloroethene	50.0	46.44	93	70-125
2-Butanone	50.0	50.79	102	30-150
Chloroform	50.0	47.24	94	65-135
1,1,1-Trichloroethane	50.0	45.95	92	65-130
Carbon tetrachloride	50.0	46.86	94	65-140
Benzene	50.0	44.5	89	80-120
1,2-Dichloroethane	50.0	43.36	87	70-130
Trichloroethene	50.0	44.65	89	70-125
1,2-Dichloropropane	50.0	45.65	91	75-125
Bromodichloromethane	50.0	47.55	95	75-120
cis-1,3-Dichloropropene	50.0	43.53	87	70-130
4-Methyl-2-pentanone	50.0	49.55	99	60-135
Toluene	50.0	46.06	92	75-120
trans-1,3-Dichloropropene	50.0	49.11	98	55-140
1,1,2-Trichloroethane	50.0	42.21	84	75-125
Tetrachloroethene	50.0	46.94	94	45-150
2-Hexanone	50.0	48.23	96	55-130
Dibromochloromethane	50.0	50.12	100	60-135
Chlorobenzene	50.0	45.95	92	80-120
Ethylbenzene	50.0	45.17	90	75-125
m,p-Xylene	100	92.61	93	75-130
o-Xylene	50.0	47.67	95	80-120

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

Spike Recovery: 0 out of 37 outside limits

COMMENTS:

3B
WATER VOLATILE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R021794 SDG No.: CAB36

BS Lab Sample ID: S092107MVOWM1

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
Styrene	50.0	42.9	86	65-135
Bromoform	50.0	50.12	100	70-130
1,1,2,2-Tetrachloroethane	50.0	40.84	82	65-130

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

Spike Recovery: 0 out of 37 outside limits

COMMENTS:

4

VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

B092107MVOWM2

Lab Name Laucks Testing Labs Contract:

SDG No.: CAB36

Lab File ID: M0921008.D Lab Sample ID: B092107MVOWM2

Date Analyzed: 09/21/2007 Time Analyzed: 12:46

GC Column: ZB-624 20m ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: 5973M Moby Matrix: Water

	CLIENT SAMPLE NO.	LAB SAMPLE ID.	LAB FILE ID.	DATE ANALYZED	TIME ANALYZED	RUN SEQUENCE
01	S092107MVOWM1	S092107MVOWM1	M0921005.D	09/21/2007	11:20	R021794
02	TRIP BLANK	CAB36-003	M0921010.D	09/21/2007	13:39	R021794
03	16LCMW01SW	CAB36-001	M0921015.D	09/21/2007	15:53	R021794
04	16LCMW435W	CAB36-002	M0921016.D	09/21/2007	16:20	R021794
05	16LCMW01DW	CAB36-004	M0921017.D	09/21/2007	16:47	R021794
06	16LCMW02SW	CAB36-005	M0921018.D	09/21/2007	17:13	R021794
07	16LCMW02DW	CAB36-006	M0921019.D	09/21/2007	17:40	R021794
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COMMENTS:

5

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

CLIENT SAMPLE NO.
BFBM1

Lab Name: Laucks Testing Labs Contract:

Run Sequence: CAL1121 SDG No.: CAB36

Lab File ID: M0920009.D BFB Injection Date: 09/20/2007

Instrument ID: 5973M Moby BFB Injection Time: 10:17

GC Column ZB-624 20m ID: 0.18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15% to 40% of mass 95	16.2
75	30% to 60% of mass 95	44.5
95	base peak, 100% relative abundance	100
96	5% to 9% of mass 95	6.4
173	less than 2% of mass 174	0.3()1
174	greater than 50% of mass 95	101.7
175	5% to 9% of mass 17	6.3()1
176	greater than 95%, but less than 101% of mass 174	96.3()1
177	5% to 9% of mass 176	6.2()2

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

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0.3	VSTD0.3	M0920010.D	09/20/2007	10:44
02	VSTD0.5	VSTD0.5	M0920011.D	09/20/2007	11:10
03	VSTD001	VSTD001	M0920012.D	09/20/2007	11:37
04	VSTD005	VSTD005	M0920013.D	09/20/2007	12:04
05	VSTD010	VSTD010	M0920014.D	09/20/2007	12:30
06	VSTD050	VSTD050	M0920015.D	09/20/2007	12:57
07	VSTD100	VSTD100	M0920016.D	09/20/2007	13:24
08	VSTD200	VSTD200	M0920017.D	09/20/2007	13:50
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5

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

CLIENT SAMPLE NO.

BFBM1

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R021794 SDG No.: CAB36

Lab File ID: M0921003.D BFB Injection Date: 09/21/2007

Instrument ID: 5973M Moby BFB Injection Time: 10:25

GC Column ZB-624 20m ID: 0.18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15% to 40% of mass 95	15.8
75	30% to 60% of mass 95	44.8
95	base peak, 100% relative abundance	100
96	5% to 9% of mass 95	6.8
173	less than 2% of mass 174	0.8()1
174	greater than 50% of mass 95	98.1
175	5% to 9% of mass 17	6.7()1
176	greater than 95%, but less than 101% of mass 174	97.6()1
177	5% to 9% of mass 176	6.7()2

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

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050M1	VSTD050M1	M0921004.d	09/21/2007	10:53
02	S092107MVOWM1	S092107MVOWM1	M0921005.D	09/21/2007	11:20
03	B092107MVOWM2	B092107MVOWM2	M0921008.D	09/21/2007	12:46
04	TRIP BLANK	CAB36-003	M0921010.D	09/21/2007	13:39
05	16LCMW01SW	CAB36-001	M0921015.D	09/21/2007	15:53
06	16LCMW435W	CAB36-002	M0921016.D	09/21/2007	16:20
07	16LCMW01DW	CAB36-004	M0921017.D	09/21/2007	16:47
08	16LCMW02SW	CAB36-005	M0921018.D	09/21/2007	17:13
09	16LCMW02DW	CAB36-006	M0921019.D	09/21/2007	17:40
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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R021794 SDG No.: CAB36

Client Sample No.(VSTD050##): VSTD050M1 Date Analyzed: 09/21/2007

Lab File ID (Standard): M0921004.d Time Analyzed: 10:53

Instrument ID: 5973M Moby Heated Purge: (Y/N) N

GC Column: ZB-624 20m ID: 0.18 (mm)

		IS1 (FBZ) AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DCB) AREA #	RT #
	12 HOUR STD	948868	6.43	755845	9.58	465529	11.89
	UPPER LIMIT	1897736	6.93	1511690	10.08	931058	12.39
	LOWER LIMIT	474434	5.93	377922.5	9.08	232764.5	11.39
	CLIENT SAMPLE NO.						
01	S092107MVOWM1	946872	6.43	730170	9.58	457206	11.89
02	B092107MVOWM2	839739	6.43	628746	9.58	329628	11.89
03	TRIP BLANK	815546	6.44	607201	9.58	316188	11.89
04	16LCMW01SW	756873	6.43	573149	9.58	292414	11.89
05	16LCMW435W	759525	6.43	559732	9.58	290003	11.89
06	16LCMW01DW	761631	6.43	558894	9.58	288710	11.89
07	16LCMW02SW	745246	6.43	557098	9.58	284692	11.89
08	16LCMW02DW	746095	6.43	548535	9.58	281619	11.89
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22							

IS1 (FBZ) = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

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

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW01SW

Lab Name: _____ Contract: _____

SDG No.: CAB36 Run Sequence: R021794

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB36-001

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M0921015.D

Level: (LOW/MED) _____ Date Collected: 09/17/2007

% Moisture: not dec. _____ Date/Time Analyzed: 09/21/2007 15:53

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW01SW

Lab Name: _____ Contract: _____

SDG No.: CAB36 Run Sequence: R021794

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB36-001

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M0921015.D

Level: (LOW/MED) _____ Date Collected: 09/17/2007

% Moisture: not dec. _____ Date/Time Analyzed: 09/21/2007 15:53

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
179601-23	m,p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

Comments:

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW435W

Lab Name: _____ Contract: _____

SDG No.: CAB36 Run Sequence: R021794

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB36-002

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M0921016.D

Level: (LOW/MED) _____ Date Collected: 09/17/2007

% Moisture: not dec. _____ Date/Time Analyzed: 09/21/2007 16:20

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW435W

Lab Name: _____ Contract: _____

SDG No.: CAB36 Run Sequence: R021794

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB36-002

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M0921016.D

Level: (LOW/MED) _____ Date Collected: 09/17/2007

% Moisture: not dec. _____ Date/Time Analyzed: 09/21/2007 16:20

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
179601-23	m,p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

Comments:

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK

Lab Name: _____ Contract: _____

SDG No.: CAB36 Run Sequence: R021794

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB36-003

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M0921010.D

Level: (LOW/MED) _____ Date Collected: 09/17/2007

% Moisture: not dec. _____ Date/Time Analyzed: 09/21/2007 13:39

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK

Lab Name: _____ Contract: _____

SDG No.: CAB36 Run Sequence: R021794

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB36-003

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M0921010.D

Level: (LOW/MED) _____ Date Collected: 09/17/2007

% Moisture: not dec. _____ Date/Time Analyzed: 09/21/2007 13:39

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
179601-23	m,p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

Comments:

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW01DW

Lab Name: _____ Contract: _____

SDG No.: CAB36 Run Sequence: R021794

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB36-004

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M0921017.D

Level: (LOW/MED) _____ Date Collected: 09/17/2007

% Moisture: not dec. _____ Date/Time Analyzed: 09/21/2007 16:47

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW01DW

Lab Name: _____ Contract: _____

SDG No.: CAB36 Run Sequence: R021794

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB36-004

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M0921017.D

Level: (LOW/MED) _____ Date Collected: 09/17/2007

% Moisture: not dec. _____ Date/Time Analyzed: 09/21/2007 16:47

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
179601-23	m,p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

Comments:

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW02SW

Lab Name: _____ Contract: _____

SDG No.: CAB36 Run Sequence: R021794

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB36-005

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M0921018.D

Level: (LOW/MED) _____ Date Collected: 09/17/2007

% Moisture: not dec. _____ Date/Time Analyzed: 09/21/2007 17:13

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW02SW

Lab Name: _____ Contract: _____

SDG No.: CAB36 Run Sequence: R021794

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB36-005

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M0921018.D

Level: (LOW/MED) _____ Date Collected: 09/17/2007

% Moisture: not dec. _____ Date/Time Analyzed: 09/21/2007 17:13

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
179601-23	m,p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

Comments:

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW02DW

Lab Name: _____ Contract: _____

SDG No.: CAB36 Run Sequence: R021794

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB36-006

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M0921019.D

Level: (LOW/MED) _____ Date Collected: 09/17/2007

% Moisture: not dec. _____ Date/Time Analyzed: 09/21/2007 17:40

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW02DW

Lab Name: _____ Contract: _____

SDG No.: CAB36 Run Sequence: R021794

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB36-006

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M0921019.D

Level: (LOW/MED) _____ Date Collected: 09/17/2007

% Moisture: not dec. _____ Date/Time Analyzed: 09/21/2007 17:40

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
179601-23	m,p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

Comments:

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R021794 SDG No.: CAB36

Instrument ID: 5973M Moby Calibration Dates: 09/20/2007 16:26

Heated Purge: (Y/N) N Calibration Times: 09/20/2007 16:26

GC Column: ZB-624 20m ID: 0.18 (mm) Mean % RSD: 9.53

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8	$\overline{RF}$	%RSD	r^2 COD	Eq Ty
Dichlorodifluoromethane	0.3		0.5	2.020E-01	1	2.130E-01	5	2.310E-01	10	2.190E-01	50	2.130E-01	100	1.970E-01	200	1.970E-01	0.210	5.94		A
Chloromethane	0.3		0.5	2.739E-01	1	3.010E-01	5	2.960E-01	10	2.730E-01	50	2.630E-01	100	2.420E-01	200	2.399E-01	0.270	8.78		A
Vinyl chloride	0.3		0.5	2.790E-01	1	2.940E-01	5	3.019E-01	10	2.800E-01	50	2.860E-01	100	2.759E-01	200	2.820E-01	0.286	3.27		A
Bromomethane	0.3		0.5	1.729E-01	1	1.809E-01	5	1.750E-01	10	1.630E-01	50	1.630E-01	100	1.650E-01	200	1.400E-01	0.166	7.90		A
Chloroethane	0.3		0.5	1.750E-01	1	1.800E-01	5	1.900E-01	10	1.739E-01	50	1.700E-01	100	1.650E-01	200	1.550E-01	0.173	6.39		A
Trichlorofluoromethane	0.3		0.5	2.460E-01	1	2.520E-01	5	3.100E-01	10	3.019E-01	50	3.190E-01	100	3.190E-01	200	3.300E-01	0.297	11.44		A
1,1-Dichloroethene	0.3		0.5	1.530E-01	1	2.169E-01	5	2.509E-01	10	2.389E-01	50	2.350E-01	100	2.260E-01	200	2.460E-01	0.224	14.90		A
Acetone	0.3		1	5.500E-02	5	3.300E-02	10	3.099E-02	50	2.600E-02	100	2.600E-02	200	2.600E-02			0.033		1.000	L
Carbon disulfide	0.3		0.5	4.939E-01	1	5.099E-01	5	5.630E-01	10	5.950E-01	50	5.929E-01	100	5.590E-01	200	6.010E-01	0.559	7.61		A
Methylene chloride	0.3		0.5	1.046E+00	1	6.010E-01	5	3.010E-01	10	2.619E-01	50	2.469E-01	100	2.380E-01	200	2.450E-01	0.420		1.000	Q
trans-1,2-Dichloroethene	0.3		0.5	1.820E-01	1	2.430E-01	5	2.660E-01	10	2.660E-01	50	2.689E-01	100	2.610E-01	200	2.780E-01	0.252	13.04		A
1,1-Dichloroethane	0.3		0.5	3.100E-01	1	3.779E-01	5	4.170E-01	10	4.100E-01	50	4.009E-01	100	3.860E-01	200	3.950E-01	0.385	9.34		A
cis-1,2-Dichloroethene	0.3		1	2.370E-01	5	2.689E-01	10	2.710E-01	50	2.750E-01	100	2.720E-01	200	2.840E-01			0.268	6.06		A
2-Butanone	0.3		1		5	4.600E-02	10	4.199E-02	50	4.400E-02	100	4.699E-02	200	4.800E-02			0.045	5.72		A
Chloroform	0.3	3.660E-01	0.5	3.300E-01	1	3.779E-01	5	4.059E-01	10	3.980E-01	50	3.919E-01	100	3.800E-01	200	3.890E-01	0.380	6.24		A
1,1,1-Trichloroethane	0.3		1	2.759E-01	5	3.520E-01	10	3.370E-01	50	3.450E-01	100	3.319E-01	200	3.499E-01			0.332	8.50		A
Carbon tetrachloride	0.3		1	2.520E-01	5	3.190E-01	10	3.100E-01	50	3.190E-01	100	3.100E-01	200	3.339E-01			0.307	9.26		A
Benzene	0.3	1.100E+00	0.5	8.420E-01	1	1.045E+00	5	1.156E+00	10	1.127E+00	50	1.119E+00	100	1.092E+0	200	1.132E+00	1.077	9.32		A
1,2-Dichloroethane	0.3		0.5	2.160E-01	1	2.319E-01	5	2.529E-01	10	2.469E-01	50	2.360E-01	100	2.310E-01	200	2.290E-01	0.235	5.27		A
Trichloroethene	0.3		1	2.579E-01	5	3.010E-01	10	2.920E-01	50	3.059E-01	100	3.019E-01	200	3.249E-01			0.297	7.47		A
1,2-Dichloropropane	0.3		0.5	1.720E-01	1	2.280E-01	5	2.399E-01	10	2.460E-01	50	2.420E-01	100	2.370E-01	200	2.399E-01	0.229	11.19		A
Bromodichloromethane	0.3		0.5	1.900E-01	1	2.440E-01	5	2.720E-01	10	2.750E-01	50	2.829E-01	100	2.829E-01	200	2.910E-01	0.263	13.46		A
cis-1,3-Dichloropropene	0.3		0.5	2.130E-01	1	2.350E-01	5	3.129E-01	10	3.230E-01	50	3.540E-01	100	3.590E-01	200	3.730E-01	0.310		1.000	L
4-Methyl-2-pentanone	0.3		5	8.500E-02	10	1.060E-01	50	1.050E-01	100	1.110E-01	200	1.140E-01					0.104	10.82		A

SUM - 21

Eq Ty = Equation Type
Q=Quadratic, L=Linear, A=Average

* SPCCs #

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R021794 SDG No.: CAB36

Instrument ID: 5973M Moby Calibration Dates: 09/20/2007 16:26

Heated Purge: (Y/N) N Calibration Times: 09/20/2007 16:26

GC Column: ZB-624 20m ID: 0.18 (mm) Mean % RSD: 9.53

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8	$\overline{RF}$	%RSD	r^2 COD	Eq Ty
Toluene	0.3		0.5	6.370E-01	1	8.569E-01	5	9.720E-01	10	9.269E-01	50	9.070E-01	100	8.700E-01	200	8.690E-01	0.863	12.46		A
trans-1,3-Dichloropropene	0.3		0.5	2.460E-01	1	2.920E-01	5	3.470E-01	10	3.510E-01	50	3.709E-01	100	3.709E-01	200	3.689E-01	0.335	14.42		A
1,1,2-Trichloroethane	0.3		0.5	2.220E-01	1	2.610E-01	5	2.520E-01	10	2.450E-01	50	2.340E-01	100	2.290E-01	200	2.290E-01	0.239	5.90		A
Tetrachloroethene	0.3		1	3.560E-01	5	4.260E-01	10	4.070E-01	50	4.100E-01	100	3.910E-01	200	4.140E-01			0.401	6.19		A
2-Hexanone	0.3		5	8.299E-02	10	8.399E-02	50	9.300E-02	100	9.499E-02	200	9.499E-02					0.090	6.57		A
Dibromochloromethane	0.3		0.5	1.860E-01	1	2.249E-01	5	2.509E-01	10	2.590E-01	50	2.669E-01	100	2.720E-01	200	2.800E-01	0.248	13.19		A
Chlorobenzene	0.3		0.5	8.309E-01	1	1.020E+00	5	1.054E+00	10	1.019E+00	50	1.011E+00	100	9.900E-01	200	1.024E+00	0.993	7.43		A
Ethylbenzene	0.3		1	1.383E+00	5	1.733E+00	10	1.726E+00	50	1.804E+00	100	1.771E+00	200	1.804E+0			1.704	9.43		A
m,p-Xylene	0.3		2	5.650E-01	10	7.220E-01	20	7.110E-01	100	7.490E-01	200	7.509E-01	400	7.920E-01			0.715	10.99		A
o-Xylene	0.3		1	4.939E-01	5	6.420E-01	10	6.690E-01	50	7.130E-01	100	7.089E-01	200	7.410E-01			0.661	13.48		A
Styrene	0.3		1	7.990E-01	5	1.127E+00	10	1.153E+00	50	1.250E+00	100	1.257E+00					1.117		1.000	L
Bromoform	0.3		1	1.280E-01	5	1.589E-01	10	1.589E-01	50	1.800E-01	100	1.910E-01	200	1.980E-01			0.169	15.32		A
1,1,2,2-Tetrachloroethane	0.3		0.5	4.860E-01	1	5.280E-01	5	5.199E-01	10	5.090E-01	50	4.700E-01	100	4.679E-01	200	4.749E-01	0.494	5.03		A
Dibromofluoromethane	25	2.340E-01	25	2.360E-01	25	2.399E-01	30	2.340E-01	35	2.260E-01	40	2.319E-01	45	2.310E-01	50	2.270E-01	0.233	1.93		A
1,2-Dichloroethane-d4	25	1.850E-01	25	1.959E-01	25	1.970E-01	30	1.890E-01	35	1.860E-01	40	1.860E-01	45	1.840E-01	50	1.790E-01	0.188	3.26		A
Toluene-d8	25	1.289E+00	25	1.307E+00	25	1.318E+00	30	1.307E+00	35	1.276E+00	40	1.235E+00	45	1.182E+0	50	1.120E+00	1.254	5.63		A
4-Bromofluorobenzene	25	7.910E-01	25	8.169E-01	25	8.320E-01	30	7.760E-01	35	7.580E-01	40	7.570E-01	45	7.410E-01	50	7.440E-01	0.777	4.35		A

SUM - 22

Eq Ty = Equation Type
Q=Quadratic, L=Linear, A=Average

* SPCCs #

INITIAL
SECOND SOURCE CALIBRATION VERIFICATION

Lab Name: Laucks Testing Laboratories, Inc. Initial Calibration ID: M8260W-092007

Instrument ID: 5973M Moby Concentration Units: ug/L

2nd Source ID: ICV092007MVOWM1

Analyte	Equation Type	Expected	Found	%D
1,1,1,2-Tetrachloroethane	A	40.00	37.24	6.90
1,1,1-Trichloroethane	A	40.00	37.09	7.28
1,1,2,2-Tetrachloroethane	A	40.00	33.85	15.38
1,1,2-Trichloroethane	A	40.00	34.81	12.98
1,1-Dichloroethane	A	40.00	38.59	3.53
1,1-Dichloroethene	A	40.00	36.59	8.53
1,1-Dichloropropene	A	40.00	37.55	6.13
1,2,3-Trichlorobenzene	L	40.00	32.48	18.80
1,2,3-Trichloropropane	A	40.00	36.20	9.50
1,2,4-Trichlorobenzene	L	40.00	32.99	17.53
1,2,4-Trimethylbenzene	A	40.00	36.41	8.98
1,2-Dibromo-3-chloropropane	A	40.00	37.49	6.28
1,2-Dibromoethane	A	40.00	37.61	5.98
1,2-Dichlorobenzene	A	40.00	36.93	7.68
1,2-Dichloroethane	A	40.00	35.62	10.95
1,2-Dichloroethane-d4	A	35.00	34.44	1.60
1,2-Dichloropropane	A	40.00	36.91	7.73
1,3,5-Trimethylbenzene	A	40.00	35.98	10.05
1,3-Dichlorobenzene	A	40.00	37.54	6.15
1,3-Dichloropropane	A	40.00	36.25	9.38
1,4-Dichlorobenzene	A	40.00	36.67	8.33
1-Chlorohexane	A	40.00	40.46	1.15
2,2-Dichloropropane	A	40.00	35.88	10.30
2-Butanone	A	40.00	41.11	2.78
2-Chlorotoluene	A	40.00	37.49	6.28
2-Hexanone	A	40.00	39.51	1.23
4-Bromofluorobenzene	A	35.00	33.51	4.26
4-Chlorotoluene	A	40.00	36.27	9.33
4-Isopropyltoluene	L	40.00	34.94	12.65
4-Methyl-2-pentanone	A	40.00	40.67	1.68
Acetone	L	40.00	43.70	9.25
Benzene	A	40.00	36.42	8.95
Bromobenzene	A	40.00	35.22	11.95
Bromochloromethane	A	40.00	38.62	3.45
Bromodichloromethane	A	40.00	38.08	4.80
Bromoform	A	40.00	40.05	0.13
Bromomethane	A	40.00	41.50	3.75
Carbon disulfide	A	40.00	43.92	9.80
Carbon tetrachloride	A	40.00	38.09	4.78
Chlorobenzene	A	40.00	36.82	7.95
Chloroethane	A	40.00	40.41	1.03
Chloroform	A	40.00	38.30	4.25
Chloromethane	A	40.00	36.58	8.55

INITIAL
SECOND SOURCE CALIBRATION VERIFICATION

Lab Name: Laucks Testing Laboratories, Inc. Initial Calibration ID: M8260W-092007

Instrument ID: 5973M Moby Concentration Units: ug/L

2nd Source ID: ICV092007MVOWM1

Analyte	Equation Type	Expected	Found	%D
cis-1,2-Dichloroethene	A	40.00	37.43	6.43
cis-1,3-Dichloropropene	L	40.00	34.24	14.40
Dibromochloromethane	A	40.00	40.12	0.30
Dibromofluoromethane	A	35.00	34.30	2.00
Dibromomethane	A	40.00	37.79	5.53
Dichlorodifluoromethane	A	40.00	31.39	21.53
Ethyl-t-Butyl Ether(ETBE)	A	40.00	45.34	13.35
Ethylbenzene	A	40.00	36.31	9.23
Hexachlorobutadiene	L	40.00	33.59	16.03
Isopropyl ether	L	40.00	42.21	5.53
Isopropylbenzene	L	40.00	37.45	6.38
m,p-Xylene	A	80.00	74.49	6.89
Methyl tert-butyl ether	A	40.00	44.95	12.38
Methylene chloride	Q	40.00	37.75	5.63
n-Butylbenzene	L	40.00	34.27	14.33
n-Propylbenzene	A	40.00	36.99	7.53
Naphthalene	L	40.00	32.25	19.38
o-Xylene	A	40.00	37.99	5.03
sec-Butylbenzene	A	40.00	39.41	1.48
Styrene	L	40.00	34.45	13.88
t-Amyl Methyl Ether(TAME)	A	40.00	44.02	10.05
t-Butyl Alcohol	L	400.00	339.69	15.08
tert-Butylbenzene	A	40.00	38.09	4.78
Tetrachloroethene	A	40.00	37.39	6.53
Toluene	A	40.00	37.36	6.60
Toluene-d8	A	35.00	35.03	0.09
trans-1,2-Dichloroethene	A	40.00	37.94	5.15
trans-1,3-Dichloropropene	A	40.00	38.72	3.20
Trichloroethene	A	40.00	35.97	10.08
Trichlorofluoromethane	A	40.00	42.84	7.10
Vinyl chloride	A	40.00	38.42	3.95

Q=Quadratic, L=Linear, A=Average

7

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R021794 SDG No.: CAB36

Instrument ID: 5973M Moby Calibration Date: 09/21/2007 Time: 10:53

Lab File ID: M0921004.d Init. Calib. Date(s): 09/20/2007

Client Sample No.: VSTD050M1 Init. Calib. Time(s): 10:17

Heated Purge: (Y/N) N GC Column: ZB-624 20m ID: 0.18 (mm)

Compound	Equation Type	RF 50.0	%D	%Drift
Dichlorodifluoromethane	A	0.189	9.85	
Chloromethane	A	0.250	7.26	
Vinyl chloride	A	0.276	3.65	
Bromomethane	A	0.160	3.35	
Chloroethane	A	0.168	3.13	
Trichlorofluoromethane	A	0.321	-8.02	
1,1-Dichloroethene	A	0.238	-6.25	
Acetone	L	0.022		-17.62
Carbon disulfide	A	0.504	9.82	
Methylene chloride	Q	0.243		1.14
trans-1,2-Dichloroethene	A	0.271	-7.65	
1,1-Dichloroethane	A	0.401	-4.13	
cis-1,2-Dichloroethene	A	0.275	-2.64	
2-Butanone	A	0.041	8.64	
Chloroform	A	0.389	-2.34	
1,1,1-Trichloroethane	A	0.337	-1.36	
Carbon tetrachloride	A	0.323	-5.13	
Benzene	A	1.113	-3.35	
1,2-Dichloroethane	A	0.228	3.12	
Trichloroethene	A	0.304	-2.40	
1,2-Dichloropropane	A	0.240	-4.60	
Bromodichloromethane	A	0.276	-5.04	
cis-1,3-Dichloropropene	L	0.351		-3.48
4-Methyl-2-pentanone	A	0.099	5.02	
Toluene	A	0.879	-1.82	
trans-1,3-Dichloropropene	A	0.358	-6.99	
1,1,2-Trichloroethane	A	0.221	7.71	
Tetrachloroethene	A	0.400	0.34	
2-Hexanone	A	0.083	7.27	
Dibromochloromethane	A	0.258	-3.91	
Chlorobenzene	A	0.977	1.64	
Ethylbenzene	A	1.731	-1.56	

* = %D or %Drift above limit

= %D or %Drift limts are not configured

7

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R021794 SDG No.: CAB36

Instrument ID: 5973M Moby Calibration Date: 09/21/2007 Time: 10:53

Lab File ID: M0921004.d Init. Calib. Date(s): 09/20/2007

Client Sample No.: VSTD050M1 Init. Calib. Time(s): 10:17

Heated Purge: (Y/N) N GC Column: ZB-624 20m ID: 0.18 (mm)

Compound	Equation Type	RF 50.0	%D	%Drift
m,p-Xylene	A	0.723	-1.16	
o-Xylene	A	0.689	-4.23	
Styrene	L	1.203		-3.62
Bromoform	A	0.173	-2.46	
1,1,2,2-Tetrachloroethane	A	0.432	12.61	
Dibromofluoromethane	A	0.229	1.69	
1,2-Dichloroethane-d4	A	0.179	4.73	
Toluene-d8	A	1.209	3.58	
4-Bromofluorobenzene	A	0.740	4.78	

* = %D or %Drift above limit

= %D or %Drift limts are not configured

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B092107MVOWM2

Lab Name: _____ Contract: _____

SDG No.: CAB36 Run Sequence: R021794

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: B092107MVOWM2

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M0921008.D

Level: (LOW/MED) _____ Date Collected: _____

% Moisture: not dec. _____ Date/Time Analyzed: 09/21/2007 12:46

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B092107MVOWM2

Lab Name: _____ Contract: _____

SDG No.: CAB36 Run Sequence: R021794

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: B092107MVOWM2

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M0921008.D

Level: (LOW/MED) _____ Date Collected: _____

% Moisture: not dec. _____ Date/Time Analyzed: 09/21/2007 12:46

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
179601-23	m,p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

Comments:

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S092107MVOWM1

Lab Name: _____ Contract: _____

SDG No.: CAB36 Run Sequence: R021794

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: S092107MVOWM1

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M0921005.D

Level: (LOW/MED) _____ Date Collected: _____

% Moisture: not dec. _____ Date/Time Analyzed: 09/21/2007 11:20

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	39	
74-87-3	Chloromethane	45	
75-01-4	Vinyl chloride	49	
74-83-9	Bromomethane	53	
75-00-3	Chloroethane	51	
75-69-4	Trichlorofluoromethane	56	
75-35-4	1,1-Dichloroethene	45	
67-64-1	Acetone	57	
75-15-0	Carbon disulfide	54	
75-09-2	Methylene chloride	45	
156-60-5	trans-1,2-Dichloroethene	47	
75-34-3	1,1-Dichloroethane	48	
156-59-2	cis-1,2-Dichloroethene	46	
78-93-3	2-Butanone	51	
67-66-3	Chloroform	47	
71-55-6	1,1,1-Trichloroethane	46	
56-23-5	Carbon tetrachloride	47	
71-43-2	Benzene	45	
107-06-2	1,2-Dichloroethane	43	
79-01-6	Trichloroethene	45	
78-87-5	1,2-Dichloropropane	46	
75-27-4	Bromodichloromethane	48	
10061-01-	cis-1,3-Dichloropropene	44	
108-10-1	4-Methyl-2-pentanone	50	
108-88-3	Toluene	46	
10061-02-	trans-1,3-Dichloropropene	49	
79-00-5	1,1,2-Trichloroethane	42	
127-18-4	Tetrachloroethene	47	
591-78-6	2-Hexanone	48	

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S092107MVOWM1

Lab Name: _____ Contract: _____

SDG No.: CAB36 Run Sequence: R021794

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: S092107MVOWM1

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M0921005.D

Level: (LOW/MED) _____ Date Collected: _____

% Moisture: not dec. _____ Date/Time Analyzed: 09/21/2007 11:20

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	50	
108-90-7	Chlorobenzene	46	
100-41-4	Ethylbenzene	45	
179601-23	m,p-Xylene	93	
95-47-6	o-Xylene	48	
100-42-5	Styrene	43	
75-25-2	Bromoform	50	
79-34-5	1,1,2,2-Tetrachloroethane	41	

Comments:

FORMS SUMMARY

SDG# CAB36

Semivolatiles

2

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Laucks Testing Labs Contract:

SDG No.: CAB36 Run Sequence: R022870

Level: (LOW/MED) NONE

CLIENT SAMPLE NUMBER	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (2FB) #	TOT OUT
(CAB36-006) 16LCMW02DW	59	71	84	74	
(CAB36-005) 16LCMW02SW	18 *	55	85	72	
(CAB36-004) 16LCMW01DW	42	64	78	75	
(CAB36-002) 16LCMW435W	36	64	83	77	
(CAB36-001) 16LCMW01SW	17 *	49	89	82	
(S091907MSVWLP) S091907MSVWLP	43	62	86	88	
(B091907MSVWLP) B091907MSVWLP	24	56	87	72	

		QC LIMITS
S1 (2FP) =	2-Fluorophenol	20-110
S2 (PHL) =	Phenol-d5	10-115
S3 (NBZ) =	Nitrobenzene-d5	40-110
S4 (2FB) =	2-Fluorobiphenyl	50-100

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

2

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Laucks Testing Labs Contract:

SDG No.: CAB36 Run Sequence: R022870

Level: (LOW/MED) NONE

CLIENT SAMPLE NUMBER	S5 (TBP) #	S6 (DTR) #	S7 () #	S8 () #	TOT OUT
(CAB36-006) 16LCMW02DW	85	79			0
(CAB36-005) 16LCMW02SW	75	82			1
(CAB36-004) 16LCMW01DW	81	86			0
(CAB36-002) 16LCMW435W	78	85			0
(CAB36-001) 16LCMW01SW	53	80			1
(S091907MSVWLP) S091907MSVWLP	89	81			0
(B091907MSVWLP) B091907MSVWLP	52	86			0

		QC LIMITS
S5 (TBP) =	2,4,6-Tribromophenol	40-125
S6 (DTR) =	Terphenyl-d14	50-135
S7 () =		
S8 () =		

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

3B
WATER SEMIVOLATILE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R022870 SDG No.: CAB36

BS Lab Sample ID: S091907MSVWLP

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
3 & 4-Methylphenol	20.0	16.66	83	30-110
Bis(2-chloroisopropyl)ether	20.0	17.18	86	35-110
Phenol	20.0	11.73	59	23-98
Bis(2-Chloroethyl)ether	20.0	15.09	75	35-110
2-Chlorophenol	20.0	11.99	60	35-105
1,3-Dichlorobenzene	20.0	9.42	47	30-100
1,4-Dichlorobenzene	20.0	9.6	48	30-100
Benzyl alcohol	20.0	16.53	83	30-110
1,2-Dichlorobenzene	20.0	10.52	53	35-100
2-Methylphenol	20.0	15.52	78	40-110
N-Nitroso-di-n-propylamine	20.0	19.86	99	35-130
Hexachloroethane	20.0	8.44	42	30-95
Nitrobenzene	20.0	14.36	72	45-110
Isophorone	20.0	17.19	86	50-110
2-Nitrophenol	20.0	13.74	69	40-115
2,4-Dimethylphenol	20.0	14.54	73	30-110
Benzoic acid	20.0	11.85	59	0-125
Bis(2-chloroethoxy)methane	20.0	14.34	72	45-105
2,4-Dichlorophenol	20.0	12.28	61	50-105
1,2,4-Trichlorobenzene	20.0	10.9	55	35-105
Naphthalene	20.0	12.65	63	40-100
4-Chloroaniline	20.0	9.61	48	15-110
Hexachlorobutadiene	20.0	8.79	44	25-105
4-Chloro-3-methylphenol	20.0	16.42	82	45-110
2-Methylnaphthalene	20.0	13.88	69	45-105
Hexachlorocyclopentadiene	20.0	2.73	14	10-49
2,4,6-Trichlorophenol	20.0	13.24	66	50-115
2,4,5-Trichlorophenol	20.0	16.23	81	50-110
2-Chloronaphthalene	20.0	14.47	72	50-105
2-Nitroaniline	20.0	19.73	99	50-115
Dimethylphthalate	20.0	18.24	91	25-125
2,6-Dinitrotoluene	20.0	16.77	84	50-115
Acenaphthylene	20.0	15.48	77	50-105
3-Nitroaniline	20.0	11.02	55	20-125

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

Spike Recovery: 0 out of 67 outside limits

COMMENTS:

3B
WATER SEMIVOLATILE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R022870 SDG No.: CAB36

BS Lab Sample ID: S091907MSVWLP

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
Acenaphthene	20.0	16.64	83	45-110
2,4-Dinitrophenol	20.0	25.42	127	15-140
4-Nitrophenol	20.0	18.9	94	0-125
Dibenzofuran	20.0	15.76	79	55-105
2,4-Dinitrotoluene	20.0	18.33	92	50-120
Diethylphthalate	20.0	18.18	91	40-120
Fluorene	20.0	16.8	84	50-110
4-Chlorophenyl-phenylether	20.0	18.28	91	50-110
4-Nitroaniline	20.0	16.38	82	35-120
4,6-Dinitro-2-methylphenol	20.0	17.39	87	40-130
N-Nitrosodiphenylamine	20.0	10.69	53	50-110
4-Bromophenyl-phenyl ether	20.0	16.22	81	50-115
Hexachlorobenzene	20.0	17.62	88	50-110
Pentachlorophenol	20.0	16.34	82	40-115
Phenanthrene	20.0	15.98	80	50-115
Anthracene	20.0	15.5	78	55-110
Carbazole	20.0	17.38	87	50-115
Di-n-butylphthalate	20.0	18.03	90	55-115
Fluoranthene	20.0	17.25	86	55-115
Benzidine	20.0	0	0	0-125
Pyrene	20.0	14.5	73	50-130
Butylbenzylphthalate	20.0	15.33	77	45-115
3,3'-Dichlorobenzidine	20.0	12.56	63	20-110
Benzo(a)anthracene	20.0	14.72	74	55-110
Bis(2-ethylhexyl)phthalate	20.0	17.36	87	40-125
Chrysene	20.0	16.69	83	55-110
Di-n-octylphthalate	20.0	17.22	86	35-135
Benzo(b)fluoranthene	20.0	14.42	72	45-120
Benzo(k)fluoranthene	20.0	15.1	76	45-125
Benzo(a)pyrene	20.0	14.05	70	55-110
Indeno(1,2,3-cd)pyrene	20.0	19.46	97	45-125
Dibenzo(a,h)anthracene	20.0	18.29	91	40-125
Benzo(g,h,i)perylene	20.0	18.68	93	40-125

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

Spike Recovery: 0 out of 67 outside limits

COMMENTS:

4

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

B091907MSVWLP

Lab Name: Laucks Testing Labs Contract:

SDG No.: CAB36

Lab File ID: T1025004.D Lab Sample ID: B091907MSVWLP

Date Analyzed: 10/25/2007 Time Analyzed: 10:53

GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: HP 5972 (Donald) Matrix: Water

	CLIENT SAMPLE NO.	LAB SAMPLE ID.	LAB FILE ID.	DATE ANALYZED	TIME ANALYZED	RUN SEQUENCE
01	S091907MSVWLP	S091907MSVWLP	T1025005.D	10/25/2007	11:25	R022870
02	16LCMW01SW	CAB36-001	T1025006.D	10/25/2007	11:58	R022870
03	16LCMW435W	CAB36-002	T1025007.D	10/25/2007	12:36	R022870
04	16LCMW01DW	CAB36-004	T1025008.D	10/25/2007	13:08	R022870
05	16LCMW02SW	CAB36-005	T1025009.D	10/25/2007	13:40	R022870
06	16LCMW02DW	CAB36-006	T1025010.D	10/25/2007	14:12	R022870
07						
08						
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COMMENTS:

5

SEMIVOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

CLIENT SAMPLE NO.

DFTPP102207-1

Lab Name: Laucks Testing Labs Contract:

Run Sequence: CAL1199 SDG No.: CAB36

Lab File ID: T1022001.D DFTPP Injection Date: 10/22/2007

Instrument ID: HP 5972 (Donald) DFTPP Injection Time: 10:53

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30% to 60% of mass 198	39.9
68	less than 2% of mass 69	0 ()1
69	base peak, 100% relative abundance	100
70	less than 2% of mass 69	0.3 ()1
127	40% to 60% of mass 198	49.8
197	less than 1% of mass 198	0
198	base peak, 100% relative abundance	100
199	5% to 9% of mass 198	6.4
275	10% to 30% of mass 198	17.9
365	greater than 1% of mass 198	2
441	present but less than mass 443	78.1
442	greater than 40% of mass 198	60.1
443	17% to 23% of mass 442	19.2 ()2

1 - Value is %mass 69 2 - Value is% mass 442

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD001	SSTD001	T1022002.D	10/22/2007	11:12
02	SSTD040	SSTD040	T1022006.D	10/22/2007	13:21
03	SSTD060	SSTD060	T1022007.D	10/22/2007	13:53
04	SSTD080	SSTD080	T1022008.D	10/22/2007	14:26
05	SSTD005	SSTD005	T1022009.D	10/22/2007	14:58
06	SSTD010	SSTD010	T1022010.D	10/22/2007	15:31
07	SSTD025	SSTD025	T1022011.D	10/22/2007	16:03
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09					
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19					
20					
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22					

5

SEMIVOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

CLIENT SAMPLE NO.

DFTPP102507-1

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022870 SDG No.: CAB36

Lab File ID: T1025001.D DFTPP Injection Date: 10/25/2007

Instrument ID: HP 5972 (Donald) DFTPP Injection Time: 09:29

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30% to 60% of mass 198	36.8
68	less than 2% of mass 69	0 ()1
69	base peak, 100% relative abundance	100
70	less than 2% of mass 69	0 ()1
127	40% to 60% of mass 198	49.9
197	less than 1% of mass 198	0
198	base peak, 100% relative abundance	100
199	5% to 9% of mass 198	6.6
275	10% to 30% of mass 198	17.5
365	greater than 1% of mass 198	1.8
441	present but less than mass 443	1.3
442	greater than 40% of mass 198	53
443	17% to 23% of mass 442	19.6 ()2

1 - Value is %mass 69 2 - Value is% mass 442

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV102507-2	CCV102507-2	T1025003.D	10/25/2007	10:19
02	B091907MSVWLP	B091907MSVWLP	T1025004.D	10/25/2007	10:53
03	S091907MSVWLP	S091907MSVWLP	T1025005.D	10/25/2007	11:25
04	16LCMW01SW	CAB36-001	T1025006.D	10/25/2007	11:58
05	16LCMW435W	CAB36-002	T1025007.D	10/25/2007	12:36
06	16LCMW01DW	CAB36-004	T1025008.D	10/25/2007	13:08
07	16LCMW02SW	CAB36-005	T1025009.D	10/25/2007	13:40
08	16LCMW02DW	CAB36-006	T1025010.D	10/25/2007	14:12
09					
10					
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12					
13					
14					
15					
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21					
22					

8

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022870 SDG No.: CAB36

Client Sample No.: CCV102507-2 Date Analyzed: 10/25/2007

Lab File ID (Standard): T1025003.D Time Analyzed: 10:19

Instrument ID: HP 5972 (Donald) GC Column: RXI-5Sil MS ID: 0.25 (mm)

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	118408		5.47		500899		6.90		253896		9.01	
	UPPER LIMIT	236816		5.97		1001798		7.4		507792		9.51	
	LOWER LIMIT	59204		4.97		250449.5		6.4		126948		8.51	
	CLIENT SAMPLE NO.												
01	B091907MSVWLP	111315		5.46		427194		6.90		227365		9.00	
02	S091907MSVWLP	103480		5.47		441943		6.90		238900		9.00	
03	16LCMW01SW	91439		5.46		406567		6.90		231352		9.00	
04	16LCMW435W	116732		5.46		485953		6.90		237029		9.00	
05	16LCMW01DW	107001		5.47		465343		6.90		236933		9.00	
06	16LCMW02SW	106826		5.46		428203		6.90		245723		9.01	
07	16LCMW02DW	110401		5.46		450455		6.89		233500		9.01	
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

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SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022870 SDG No.: CAB36

Client Sample No.: CCV102507-2 Date Analyzed: 10/25/2007

Lab File ID (Standard): T1025003.D Time Analyzed: 10:19

Instrument ID: HP 5972 (Donald) GC Column: RXI-5Sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	379859		10.81		326486		14.50		248059		17.54	
	UPPER LIMIT	759718		11.31		652972		15		496118		18.04	
	LOWER LIMIT	189929.5		10.31		163243		14		124029.5		17.04	
	CLIENT SAMPLE NO.												
01	B091907MSVWLP	365697		10.81		337865		14.49		264026		17.53	
02	S091907MSVWLP	365883		10.81		323370		14.50		243950		17.54	
03	16LCMW01SW	364392		10.81		333476		14.49		235369		17.53	
04	16LCMW435W	357421		10.81		324944		14.49		245950		17.53	
05	16LCMW01DW	363708		10.81		300553		14.49		262167		17.54	
06	16LCMW02SW	364454		10.81		302806		14.50		253264		17.53	
07	16LCMW02DW	347909		10.81		298076		14.49		240151		17.53	
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW01SW

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB36

Run Sequence: R022870

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-001

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: T1025006.D

Level: (LOW/MED)

Date Collected: 09/17/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/19/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/25/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-39-4/	3 & 4-Methylphenol	4.8	U
108-60-1	Bis(2-chloroisopropyl)ether	4.8	U
108-95-2	Phenol	4.8	U
111-44-4	Bis(2-Chloroethyl)ether	4.8	U
95-57-8	2-Chlorophenol	4.8	U
541-73-1	1,3-Dichlorobenzene	4.8	U
106-46-7	1,4-Dichlorobenzene	4.8	U
100-51-6	Benzyl alcohol	4.8	U
95-50-1	1,2-Dichlorobenzene	4.8	U
95-48-7	2-Methylphenol	4.8	U
621-64-7	N-Nitroso-di-n-propylamine	4.8	U
67-72-1	Hexachloroethane	4.8	U
98-95-3	Nitrobenzene	4.8	U
78-59-1	Isophorone	4.8	U
88-75-5	2-Nitrophenol	4.8	U
105-67-9	2,4-Dimethylphenol	4.8	U
65-85-0	Benzoic acid	9.5	U
111-91-1	Bis(2-chloroethoxy)methane	4.8	U
120-83-2	2,4-Dichlorophenol	4.8	U
120-82-1	1,2,4-Trichlorobenzene	4.8	U
91-20-3	Naphthalene	4.8	U
106-47-8	4-Chloroaniline	4.8	U
87-68-3	Hexachlorobutadiene	4.8	U
59-50-7	4-Chloro-3-methylphenol	4.8	U
91-57-6	2-Methylnaphthalene	4.8	U
77-47-4	Hexachlorocyclopentadiene	4.8	U

1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW01SW

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB36

Run Sequence: R022870

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-001

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: T1025006.D

Level: (LOW/MED)

Date Collected: 09/17/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/19/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/25/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-06-2	2,4,6-Trichlorophenol	4.8	U
95-95-4	2,4,5-Trichlorophenol	4.8	U
91-58-7	2-Chloronaphthalene	4.8	U
88-74-4	2-Nitroaniline	4.8	U
131-11-3	Dimethylphthalate	4.8	U
606-20-2	2,6-Dinitrotoluene	4.8	U
208-96-8	Acenaphthylene	4.8	U
99-09-2	3-Nitroaniline	4.8	U
83-32-9	Acenaphthene	4.8	U
51-28-5	2,4-Dinitrophenol	9.5	U
100-02-7	4-Nitrophenol	4.8	U
132-64-9	Dibenzofuran	4.8	U
121-14-2	2,4-Dinitrotoluene	4.8	U
84-66-2	Diethylphthalate	4.8	U
86-73-7	Fluorene	4.8	U
7005-72-3	4-Chlorophenyl-phenylether	4.8	U
100-01-6	4-Nitroaniline	4.8	U
534-52-1	4,6-Dinitro-2-methylphenol	4.8	U
86-30-6	N-Nitrosodiphenylamine	4.8	U
122-66-7	Azobenzene	4.8	U
101-55-3	4-Bromophenyl-phenyl ether	4.8	U
118-74-1	Hexachlorobenzene	4.8	U
87-86-5	Pentachlorophenol	4.8	U
85-01-8	Phenanthrene	4.8	U
120-12-7	Anthracene	4.8	U
86-74-8	Carbazole	4.8	U
84-74-2	Di-n-butylphthalate	4.8	U
206-44-0	Fluoranthene	4.8	U

1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW01SW

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB36

Run Sequence: R022870

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-001

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: T1025006.D

Level: (LOW/MED)

Date Collected: 09/17/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/19/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/25/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
92-87-5	Benzidine	4.8	U
129-00-0	Pyrene	4.8	U
85-68-7	Butylbenzylphthalate	4.8	U
91-94-1	3,3'-Dichlorobenzidine	4.8	U
56-55-3	Benzo(a)anthracene	4.8	U
117-81-7	Bis(2-ethylhexyl)phthalate	4.8	U
218-01-9	Chrysene	4.8	U
117-84-0	Di-n-octylphthalate	4.8	U
205-99-2	Benzo(b)fluoranthene	4.8	U
207-08-9	Benzo(k)fluoranthene	4.8	U
50-32-8	Benzo(a)pyrene	4.8	U
193-39-5	Indeno(1,2,3-cd)pyrene	4.8	U
53-70-3	Dibenzo(a,h)anthracene	4.8	U
191-24-2	Benzo(g,h,i)perylene	4.8	U

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW435W

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB36

Run Sequence: R022870

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-002

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: T1025007.D

Level: (LOW/MED)

Date Collected: 09/17/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/19/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/25/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-39-4/	3 & 4-Methylphenol	4.8	U
108-60-1	Bis(2-chloroisopropyl)ether	4.8	U
108-95-2	Phenol	4.8	U
111-44-4	Bis(2-Chloroethyl)ether	4.8	U
95-57-8	2-Chlorophenol	4.8	U
541-73-1	1,3-Dichlorobenzene	4.8	U
106-46-7	1,4-Dichlorobenzene	4.8	U
100-51-6	Benzyl alcohol	4.8	U
95-50-1	1,2-Dichlorobenzene	4.8	U
95-48-7	2-Methylphenol	4.8	U
621-64-7	N-Nitroso-di-n-propylamine	4.8	U
67-72-1	Hexachloroethane	4.8	U
98-95-3	Nitrobenzene	4.8	U
78-59-1	Isophorone	4.8	U
88-75-5	2-Nitrophenol	4.8	U
105-67-9	2,4-Dimethylphenol	4.8	U
65-85-0	Benzoic acid	9.5	U
111-91-1	Bis(2-chloroethoxy)methane	4.8	U
120-83-2	2,4-Dichlorophenol	4.8	U
120-82-1	1,2,4-Trichlorobenzene	4.8	U
91-20-3	Naphthalene	4.8	U
106-47-8	4-Chloroaniline	4.8	U
87-68-3	Hexachlorobutadiene	4.8	U
59-50-7	4-Chloro-3-methylphenol	4.8	U
91-57-6	2-Methylnaphthalene	4.8	U
77-47-4	Hexachlorocyclopentadiene	4.8	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW435W

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB36

Run Sequence: R022870

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-002

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: T1025007.D

Level: (LOW/MED)

Date Collected: 09/17/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/19/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/25/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-06-2	2,4,6-Trichlorophenol	4.8	U
95-95-4	2,4,5-Trichlorophenol	4.8	U
91-58-7	2-Chloronaphthalene	4.8	U
88-74-4	2-Nitroaniline	4.8	U
131-11-3	Dimethylphthalate	4.8	U
606-20-2	2,6-Dinitrotoluene	4.8	U
208-96-8	Acenaphthylene	4.8	U
99-09-2	3-Nitroaniline	4.8	U
83-32-9	Acenaphthene	4.8	U
51-28-5	2,4-Dinitrophenol	9.5	U
100-02-7	4-Nitrophenol	4.8	U
132-64-9	Dibenzofuran	4.8	U
121-14-2	2,4-Dinitrotoluene	4.8	U
84-66-2	Diethylphthalate	4.8	U
86-73-7	Fluorene	4.8	U
7005-72-3	4-Chlorophenyl-phenylether	4.8	U
100-01-6	4-Nitroaniline	4.8	U
534-52-1	4,6-Dinitro-2-methylphenol	4.8	U
86-30-6	N-Nitrosodiphenylamine	4.8	U
122-66-7	Azobenzene	4.8	U
101-55-3	4-Bromophenyl-phenyl ether	4.8	U
118-74-1	Hexachlorobenzene	4.8	U
87-86-5	Pentachlorophenol	4.8	U
85-01-8	Phenanthrene	4.8	U
120-12-7	Anthracene	4.8	U
86-74-8	Carbazole	4.8	U
84-74-2	Di-n-butylphthalate	4.8	U
206-44-0	Fluoranthene	4.8	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW435W

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB36

Run Sequence: R022870

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-002

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: T1025007.D

Level: (LOW/MED)

Date Collected: 09/17/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/19/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/25/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
92-87-5	Benzidine	4.8	U
129-00-0	Pyrene	4.8	U
85-68-7	Butylbenzylphthalate	4.8	U
91-94-1	3,3'-Dichlorobenzidine	4.8	U
56-55-3	Benzo(a)anthracene	4.8	U
117-81-7	Bis(2-ethylhexyl)phthalate	4.8	U
218-01-9	Chrysene	4.8	U
117-84-0	Di-n-octylphthalate	4.8	U
205-99-2	Benzo(b)fluoranthene	4.8	U
207-08-9	Benzo(k)fluoranthene	4.8	U
50-32-8	Benzo(a)pyrene	4.8	U
193-39-5	Indeno(1,2,3-cd)pyrene	4.8	U
53-70-3	Dibenzo(a,h)anthracene	4.8	U
191-24-2	Benzo(g,h,i)perylene	4.8	U

Comments:

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW01DW

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB36

Run Sequence: R022870

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-004

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: T1025008.D

Level: (LOW/MED)

Date Collected: 09/17/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/19/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/25/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-39-4/	3 & 4-Methylphenol	4.8	U
108-60-1	Bis(2-chloroisopropyl)ether	4.8	U
108-95-2	Phenol	4.8	U
111-44-4	Bis(2-Chloroethyl)ether	4.8	U
95-57-8	2-Chlorophenol	4.8	U
541-73-1	1,3-Dichlorobenzene	4.8	U
106-46-7	1,4-Dichlorobenzene	4.8	U
100-51-6	Benzyl alcohol	4.8	U
95-50-1	1,2-Dichlorobenzene	4.8	U
95-48-7	2-Methylphenol	4.8	U
621-64-7	N-Nitroso-di-n-propylamine	4.8	U
67-72-1	Hexachloroethane	4.8	U
98-95-3	Nitrobenzene	4.8	U
78-59-1	Isophorone	4.8	U
88-75-5	2-Nitrophenol	4.8	U
105-67-9	2,4-Dimethylphenol	4.8	U
65-85-0	Benzoic acid	9.5	U
111-91-1	Bis(2-chloroethoxy)methane	4.8	U
120-83-2	2,4-Dichlorophenol	4.8	U
120-82-1	1,2,4-Trichlorobenzene	4.8	U
91-20-3	Naphthalene	4.8	U
106-47-8	4-Chloroaniline	4.8	U
87-68-3	Hexachlorobutadiene	4.8	U
59-50-7	4-Chloro-3-methylphenol	4.8	U
91-57-6	2-Methylnaphthalene	4.8	U
77-47-4	Hexachlorocyclopentadiene	4.8	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW01DW

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB36

Run Sequence: R022870

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-004

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: T1025008.D

Level: (LOW/MED)

Date Collected: 09/17/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/19/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/25/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-06-2	2,4,6-Trichlorophenol	4.8	U
95-95-4	2,4,5-Trichlorophenol	4.8	U
91-58-7	2-Chloronaphthalene	4.8	U
88-74-4	2-Nitroaniline	4.8	U
131-11-3	Dimethylphthalate	4.8	U
606-20-2	2,6-Dinitrotoluene	4.8	U
208-96-8	Acenaphthylene	4.8	U
99-09-2	3-Nitroaniline	4.8	U
83-32-9	Acenaphthene	4.8	U
51-28-5	2,4-Dinitrophenol	9.5	U
100-02-7	4-Nitrophenol	4.8	U
132-64-9	Dibenzofuran	4.8	U
121-14-2	2,4-Dinitrotoluene	4.8	U
84-66-2	Diethylphthalate	4.8	U
86-73-7	Fluorene	4.8	U
7005-72-3	4-Chlorophenyl-phenylether	4.8	U
100-01-6	4-Nitroaniline	4.8	U
534-52-1	4,6-Dinitro-2-methylphenol	4.8	U
86-30-6	N-Nitrosodiphenylamine	4.8	U
122-66-7	Azobenzene	4.8	U
101-55-3	4-Bromophenyl-phenyl ether	4.8	U
118-74-1	Hexachlorobenzene	4.8	U
87-86-5	Pentachlorophenol	4.8	U
85-01-8	Phenanthrene	4.8	U
120-12-7	Anthracene	4.8	U
86-74-8	Carbazole	4.8	U
84-74-2	Di-n-butylphthalate	4.8	U
206-44-0	Fluoranthene	4.8	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW01DW

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB36

Run Sequence: R022870

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-004

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: T1025008.D

Level: (LOW/MED)

Date Collected: 09/17/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/19/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/25/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
92-87-5	Benzidine	4.8	U
129-00-0	Pyrene	4.8	U
85-68-7	Butylbenzylphthalate	4.8	U
91-94-1	3,3'-Dichlorobenzidine	4.8	U
56-55-3	Benzo(a)anthracene	4.8	U
117-81-7	Bis(2-ethylhexyl)phthalate	4.8	U
218-01-9	Chrysene	4.8	U
117-84-0	Di-n-octylphthalate	4.8	U
205-99-2	Benzo(b)fluoranthene	4.8	U
207-08-9	Benzo(k)fluoranthene	4.8	U
50-32-8	Benzo(a)pyrene	4.8	U
193-39-5	Indeno(1,2,3-cd)pyrene	4.8	U
53-70-3	Dibenzo(a,h)anthracene	4.8	U
191-24-2	Benzo(g,h,i)perylene	4.8	U

Comments:

1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW02SW

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB36

Run Sequence: R022870

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-005

Sample wt/vol: 1060.0 (g/mL) mL

Lab File ID: T1025009.D

Level: (LOW/MED)

Date Collected: 09/17/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/19/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/25/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-39-4/	3 & 4-Methylphenol	4.7	U
108-60-1	Bis(2-chloroisopropyl)ether	4.7	U
108-95-2	Phenol	4.7	U
111-44-4	Bis(2-Chloroethyl)ether	4.7	U
95-57-8	2-Chlorophenol	4.7	U
541-73-1	1,3-Dichlorobenzene	4.7	U
106-46-7	1,4-Dichlorobenzene	4.7	U
100-51-6	Benzyl alcohol	4.7	U
95-50-1	1,2-Dichlorobenzene	4.7	U
95-48-7	2-Methylphenol	4.7	U
621-64-7	N-Nitroso-di-n-propylamine	4.7	U
67-72-1	Hexachloroethane	4.7	U
98-95-3	Nitrobenzene	4.7	U
78-59-1	Isophorone	4.7	U
88-75-5	2-Nitrophenol	4.7	U
105-67-9	2,4-Dimethylphenol	4.7	U
65-85-0	Benzoic acid	9.4	U
111-91-1	Bis(2-chloroethoxy)methane	4.7	U
120-83-2	2,4-Dichlorophenol	4.7	U
120-82-1	1,2,4-Trichlorobenzene	4.7	U
91-20-3	Naphthalene	4.7	U
106-47-8	4-Chloroaniline	4.7	U
87-68-3	Hexachlorobutadiene	4.7	U
59-50-7	4-Chloro-3-methylphenol	4.7	U
91-57-6	2-Methylnaphthalene	4.7	U
77-47-4	Hexachlorocyclopentadiene	4.7	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW02SW

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB36

Run Sequence: R022870

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-005

Sample wt/vol: 1060.0 (g/mL) mL

Lab File ID: T1025009.D

Level: (LOW/MED)

Date Collected: 09/17/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/19/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/25/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-06-2	2,4,6-Trichlorophenol	4.7	U
95-95-4	2,4,5-Trichlorophenol	4.7	U
91-58-7	2-Chloronaphthalene	4.7	U
88-74-4	2-Nitroaniline	4.7	U
131-11-3	Dimethylphthalate	4.7	U
606-20-2	2,6-Dinitrotoluene	4.7	U
208-96-8	Acenaphthylene	4.7	U
99-09-2	3-Nitroaniline	4.7	U
83-32-9	Acenaphthene	4.7	U
51-28-5	2,4-Dinitrophenol	9.4	U
100-02-7	4-Nitrophenol	4.7	U
132-64-9	Dibenzofuran	4.7	U
121-14-2	2,4-Dinitrotoluene	4.7	U
84-66-2	Diethylphthalate	4.7	U
86-73-7	Fluorene	4.7	U
7005-72-3	4-Chlorophenyl-phenylether	4.7	U
100-01-6	4-Nitroaniline	4.7	U
534-52-1	4,6-Dinitro-2-methylphenol	4.7	U
86-30-6	N-Nitrosodiphenylamine	4.7	U
122-66-7	Azobenzene	4.7	U
101-55-3	4-Bromophenyl-phenyl ether	4.7	U
118-74-1	Hexachlorobenzene	4.7	U
87-86-5	Pentachlorophenol	4.7	U
85-01-8	Phenanthrene	4.7	U
120-12-7	Anthracene	4.7	U
86-74-8	Carbazole	4.7	U
84-74-2	Di-n-butylphthalate	4.7	U
206-44-0	Fluoranthene	4.7	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW02SW

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB36

Run Sequence: R022870

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-005

Sample wt/vol: 1060.0 (g/mL) mL

Lab File ID: T1025009.D

Level: (LOW/MED)

Date Collected: 09/17/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/19/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/25/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
92-87-5	Benzidine	4.7	U
129-00-0	Pyrene	4.7	U
85-68-7	Butylbenzylphthalate	4.7	U
91-94-1	3,3'-Dichlorobenzidine	4.7	U
56-55-3	Benzo(a)anthracene	4.7	U
117-81-7	Bis(2-ethylhexyl)phthalate	4.7	U
218-01-9	Chrysene	4.7	U
117-84-0	Di-n-octylphthalate	4.7	U
205-99-2	Benzo(b)fluoranthene	4.7	U
207-08-9	Benzo(k)fluoranthene	4.7	U
50-32-8	Benzo(a)pyrene	4.7	U
193-39-5	Indeno(1,2,3-cd)pyrene	4.7	U
53-70-3	Dibenzo(a,h)anthracene	4.7	U
191-24-2	Benzo(g,h,i)perylene	4.7	U

Comments:

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW02DW

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB36

Run Sequence: R022870

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-006

Sample wt/vol: 1060.0 (g/mL) mL

Lab File ID: T1025010.D

Level: (LOW/MED)

Date Collected: 09/17/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/19/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/25/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-39-4/	3 & 4-Methylphenol	4.7	U
108-60-1	Bis(2-chloroisopropyl)ether	4.7	U
108-95-2	Phenol	4.7	U
111-44-4	Bis(2-Chloroethyl)ether	4.7	U
95-57-8	2-Chlorophenol	4.7	U
541-73-1	1,3-Dichlorobenzene	4.7	U
106-46-7	1,4-Dichlorobenzene	4.7	U
100-51-6	Benzyl alcohol	4.7	U
95-50-1	1,2-Dichlorobenzene	4.7	U
95-48-7	2-Methylphenol	4.7	U
621-64-7	N-Nitroso-di-n-propylamine	4.7	U
67-72-1	Hexachloroethane	4.7	U
98-95-3	Nitrobenzene	4.7	U
78-59-1	Isophorone	4.7	U
88-75-5	2-Nitrophenol	4.7	U
105-67-9	2,4-Dimethylphenol	4.7	U
65-85-0	Benzoic acid	1.8	J
111-91-1	Bis(2-chloroethoxy)methane	4.7	U
120-83-2	2,4-Dichlorophenol	4.7	U
120-82-1	1,2,4-Trichlorobenzene	4.7	U
91-20-3	Naphthalene	4.7	U
106-47-8	4-Chloroaniline	4.7	U
87-68-3	Hexachlorobutadiene	4.7	U
59-50-7	4-Chloro-3-methylphenol	4.7	U
91-57-6	2-Methylnaphthalene	4.7	U
77-47-4	Hexachlorocyclopentadiene	4.7	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW02DW

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB36

Run Sequence: R022870

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-006

Sample wt/vol: 1060.0 (g/mL) mL

Lab File ID: T1025010.D

Level: (LOW/MED)

Date Collected: 09/17/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/19/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/25/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-06-2	2,4,6-Trichlorophenol	4.7	U
95-95-4	2,4,5-Trichlorophenol	4.7	U
91-58-7	2-Chloronaphthalene	4.7	U
88-74-4	2-Nitroaniline	4.7	U
131-11-3	Dimethylphthalate	4.7	U
606-20-2	2,6-Dinitrotoluene	4.7	U
208-96-8	Acenaphthylene	4.7	U
99-09-2	3-Nitroaniline	4.7	U
83-32-9	Acenaphthene	4.7	U
51-28-5	2,4-Dinitrophenol	9.4	U
100-02-7	4-Nitrophenol	4.7	U
132-64-9	Dibenzofuran	4.7	U
121-14-2	2,4-Dinitrotoluene	4.7	U
84-66-2	Diethylphthalate	4.7	U
86-73-7	Fluorene	4.7	U
7005-72-3	4-Chlorophenyl-phenylether	4.7	U
100-01-6	4-Nitroaniline	4.7	U
534-52-1	4,6-Dinitro-2-methylphenol	4.7	U
86-30-6	N-Nitrosodiphenylamine	4.7	U
122-66-7	Azobenzene	4.7	U
101-55-3	4-Bromophenyl-phenyl ether	4.7	U
118-74-1	Hexachlorobenzene	4.7	U
87-86-5	Pentachlorophenol	4.7	U
85-01-8	Phenanthrene	4.7	U
120-12-7	Anthracene	4.7	U
86-74-8	Carbazole	4.7	U
84-74-2	Di-n-butylphthalate	4.7	U
206-44-0	Fluoranthene	4.7	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW02DW

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB36

Run Sequence: R022870

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-006

Sample wt/vol: 1060.0 (g/mL) mL

Lab File ID: T1025010.D

Level: (LOW/MED)

Date Collected: 09/17/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/19/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/25/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
92-87-5	Benzidine	4.7	U
129-00-0	Pyrene	4.7	U
85-68-7	Butylbenzylphthalate	4.7	U
91-94-1	3,3'-Dichlorobenzidine	4.7	U
56-55-3	Benzo(a)anthracene	4.7	U
117-81-7	Bis(2-ethylhexyl)phthalate	4.7	U
218-01-9	Chrysene	4.7	U
117-84-0	Di-n-octylphthalate	4.7	U
205-99-2	Benzo(b)fluoranthene	4.7	U
207-08-9	Benzo(k)fluoranthene	4.7	U
50-32-8	Benzo(a)pyrene	4.7	U
193-39-5	Indeno(1,2,3-cd)pyrene	4.7	U
53-70-3	Dibenzo(a,h)anthracene	4.7	U
191-24-2	Benzo(g,h,i)perylene	4.7	U

Comments:

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022870 SDG No.: CAB36

Instrument ID: HP 5972 (Donald) Calibration Dates: 10/22/2007 12:15

Heated Purge: (Y/N) N Calibration Times: 10/22/2007 12:15

GC Column: RXI-5Sil MS ID: 0.25 (mm) Mean % RSD: 7.16

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8	$\overline{RF}$	%RSD	r^2 COD	Eq Ty
3 & 4-Methylphenol	1		5	1.604E+00	10	1.345E+00	25	1.526E+00	40	1.383E+00	60	1.311E+00	80	1.266E+0			1.406	9.35		A
Bis(2-chloroisopropyl)ether	1		5	2.650E+00	10	2.239E+00	25	2.592E+00	40	2.388E+00	60	2.280E+00	80	2.141E+0			2.382	8.49		A
Phenol	1		5	1.967E+00	10	1.846E+00	25	2.038E+00	40	1.835E+00	60	1.768E+00	80	1.765E+0			1.870	5.92		A
Bis(2-Chloroethyl)ether	1	1.390E+00	5	1.724E+00	10	1.599E+00	25	1.786E+00	40	1.507E+00	60	1.519E+00	80	1.411E+0			1.563	9.63		A
2-Chlorophenol	1		5	1.519E+00	10	1.404E+00	25	1.615E+00	40	1.463E+00	60	1.355E+00	80	1.402E+0			1.460	6.50		A
1,3-Dichlorobenzene	1		5	1.570E+00	10	1.448E+00	25	1.554E+00	40	1.401E+00	60	1.419E+00	80	1.378E+0			1.462	5.55		A
1,4-Dichlorobenzene	1		5	1.666E+00	10	1.466E+00	25	1.625E+00	40	1.461E+00	60	1.452E+00	80	1.471E+0			1.524	6.26		A
Benzyl alcohol	1		5	1.105E+00	10	9.070E-01	25	1.081E+00	40	9.490E-01	60	9.630E-01	80	9.910E-01			0.999	7.78		A
1,2-Dichlorobenzene	1		5	1.536E+00	10	1.348E+00	25	1.559E+00	40	1.395E+00	60	1.318E+00	80	1.285E+0			1.407	8.20		A
2-Methylphenol	1		5	1.480E+00	10	1.325E+00	25	1.489E+00	40	1.329E+00	60	1.350E+00	80	1.272E+0			1.374	6.51		A
N-Nitroso-di-n-propylamine	1	8.040E-01	5	1.051E+00	10	8.700E-01	25	9.729E-01	40	8.669E-01	60	8.019E-01	80	8.130E-01			0.883	10.80		A
Hexachloroethane	1		5	7.620E-01	10	6.769E-01	25	7.609E-01	40	7.020E-01	60	7.089E-01	80	6.949E-01			0.718	4.98		A
Nitrobenzene	1		5	4.090E-01	10	3.470E-01	25	3.939E-01	40	3.630E-01	60	3.560E-01	80	3.440E-01			0.369	7.18		A
Isophorone	1		5	7.829E-01	10	6.990E-01	25	6.959E-01	40	6.900E-01	60	6.639E-01	80	6.520E-01			0.697	6.60		A
2-Nitrophenol	1		5	1.879E-01	10	1.710E-01	25	2.230E-01	40	1.879E-01	60	1.980E-01	80	2.080E-01			0.196	9.29		A
2,4-Dimethylphenol	1		5	4.350E-01	10	3.730E-01	25	4.180E-01	40	3.600E-01	60	3.670E-01	80	3.560E-01			0.385	8.69		A
Benzoic acid	1		5	7.599E-02	10	8.699E-02	25	1.250E-01	40	1.589E-01	60	1.920E-01	80	1.920E-01			0.138		0.993	Q
Bis(2-chloroethoxy)methane	1		5	5.619E-01	10	4.550E-01	25	5.280E-01	40	4.910E-01	60	4.540E-01	80	4.519E-01			0.490	9.38		A
2,4-Dichlorophenol	1		5	2.890E-01	10	2.989E-01	25	3.129E-01	40	2.770E-01	60	2.879E-01	80	2.879E-01			0.292	4.26		A
1,2,4-Trichlorobenzene	1		5	3.339E-01	10	2.960E-01	25	3.210E-01	40	2.980E-01	60	2.989E-01	80	3.019E-01			0.308	5.08		A
Naphthalene	1		5	1.173E+00	10	1.092E+00	25	1.149E+00	40	1.003E+00	60	9.980E-01	80	9.969E-01			1.069	7.53		A
4-Chloroaniline	1		5	5.510E-01	10	4.910E-01	25	5.379E-01	40	4.790E-01	60	4.400E-01	80	4.429E-01			0.490	9.45		A
Hexachlorobutadiene	1		5	1.520E-01	10	1.390E-01	25	1.530E-01	40	1.390E-01	60	1.340E-01	80	1.369E-01			0.142	5.60		A
4-Chloro-3-methylphenol	1		5	3.470E-01	10	3.030E-01	25	3.700E-01	40	3.010E-01	60	3.269E-01	80	3.100E-01			0.326	8.42		A

Eq Ty = Equation Type
Q=Quadratic, L=Linear, A=Average

* SPCCs #

SUM - 56

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022870 SDG No.: CAB36

Instrument ID: HP 5972 (Donald) Calibration Dates: 10/22/2007 12:15

Heated Purge: (Y/N) N Calibration Times: 10/22/2007 12:15

GC Column: RXI-5Sil MS ID: 0.25 (mm) Mean % RSD: 7.16

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8	$\overline{RF}$	%RSD	r^2 COD	Eq Ty
2-Methylnaphthalene	1		5	6.959E-01	10	5.939E-01	25	6.570E-01	40	5.970E-01	60	6.079E-01	80	5.799E-01			0.622	7.23		A
Hexachlorocyclopentadiene	1		5	2.520E-01	10	2.590E-01	25	2.820E-01	40	2.420E-01	60	2.820E-01	80	2.590E-01			0.263	6.15		A
2,4,6-Trichlorophenol	1		5	3.140E-01	10	3.370E-01	25	3.360E-01	40	3.150E-01	60	3.610E-01	80	3.560E-01			0.336	5.89		A
2,4,5-Trichlorophenol	1		5	3.899E-01	10	3.619E-01	25	3.630E-01	40	3.280E-01	60	3.569E-01	80	3.750E-01			0.363	5.72		A
2-Chloronaphthalene	1		5	1.240E+00	10	1.147E+00	25	1.184E+00	40	1.142E+00	60	1.107E+00	80	1.125E+0			1.157	4.14		A
2-Nitroaniline	1		5	3.560E-01	10	3.360E-01	25	3.520E-01	40	3.420E-01	60	3.700E-01	80	3.910E-01			0.358	5.63		A
Dimethylphthalate	1		5	1.423E+00	10	1.301E+00	25	1.329E+00	40	1.324E+00	60	1.320E+00	80	1.267E+0			1.327	3.90		A
2,6-Dinitrotoluene	1		5	3.479E-01	10	3.520E-01	25	3.499E-01	40	3.540E-01	60	3.630E-01	80	3.499E-01			0.353	1.48		A
Acenaphthylene	1		5	1.945E+00	10	1.880E+00	25	1.957E+00	40	1.831E+00	60	1.744E+00	80	1.546E+0			1.817	8.50		A
3-Nitroaniline	1		5	3.700E-01	10	4.000E-01	25	4.339E-01	40	3.970E-01	60	4.190E-01	80	4.129E-01			0.405	5.34		A
Acenaphthene	1		5	1.099E+00	10	1.226E+00	25	1.144E+00	40	1.072E+00	60	1.076E+00	80	9.919E-01			1.101	7.14		A
2,4-Dinitrophenol	1		5	2.700E-02	10	5.400E-02	25	1.090E-01	40	1.050E-01	60	1.369E-01	80	1.690E-01			0.100		1.000	Q
4-Nitrophenol	1		5	1.369E-01	10	1.380E-01	25	1.790E-01	40	1.670E-01	60	1.640E-01	80	1.790E-01			0.161	11.71		A
Dibenzofuran	1		5	1.702E+00	10	1.642E+00	25	1.621E+00	40	1.485E+00	60	1.483E+00	80	1.466E+0			1.567	6.43		A
2,4-Dinitrotoluene	1		5	3.919E-01	10	3.989E-01	25	4.530E-01	40	4.059E-01	60	4.230E-01	80	4.300E-01			0.417	5.37		A
Diethylphthalate	1		5	1.516E+00	10	1.451E+00	25	1.429E+00	40	1.335E+00	60	1.360E+00	80	1.334E+0			1.404	5.25		A
Fluorene	1		5	1.406E+00	10	1.350E+00	25	1.351E+00	40	1.122E+00	60	1.122E+00	80	1.065E+0			1.236	12.02		A
4-Chlorophenyl-phenylether	1		5	5.500E-01	10	5.730E-01	25	5.600E-01	40	4.679E-01	60	4.690E-01	80	4.569E-01			0.513	10.40		A
4-Nitroaniline	1		5	4.379E-01	10	4.400E-01	25	4.729E-01	40	4.160E-01	60	4.260E-01	80	4.530E-01			0.441	4.55		A
4,6-Dinitro-2-methylphenol	1		5	4.899E-02	10	6.499E-02	25	1.260E-01	40	1.350E-01	60	1.550E-01	80	1.610E-01			0.115		0.999	Q
N-Nitrosodiphenylamine	1		5	8.370E-01	10	7.329E-01	25	8.249E-01	40	7.519E-01	60	8.029E-01	80	7.459E-01			0.783	5.66		A
Azobenzene	1		5	1.149E+00	10	9.879E-01	25	1.063E+00	40	1.017E+00	60	1.000E+00	80	9.120E-01			1.022	7.78		A
4-Bromophenyl-phenyl ether	1		5	2.330E-01	10	2.029E-01	25	2.270E-01	40	2.280E-01	60	2.230E-01	80	2.000E-01			0.219	6.47		A
Hexachlorobenzene	1	2.060E-01	5	2.660E-01	10	2.319E-01	25	2.599E-01	40	2.460E-01	60	2.700E-01	80	2.360E-01			0.245	9.30		A

Eq Ty = Equation Type
Q=Quadratic, L=Linear, A=Average

* SPCCs #

SUM - 57

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Laucks Testing Labs | Contract:

Run Sequence: R022870 | SDG No.: CAB36

Instrument ID: HP 5972 (Donald) | Calibration Dates: 10/22/2007 12:15

Heated Purge: (Y/N) N | Calibration Times: 10/22/2007 12:15

GC Column: RXI-5Sil MS ID: 0.25 (mm) | Mean % RSD: 7.16

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8	$\overline{RF}$	%RSD	r^2 COD	Eq Ty
Pentachlorophenol	1		5	8.299E-02	10	1.020E-01	25	1.410E-01	40	1.500E-01	60	1.560E-01	80	1.500E-01			0.130		0.999	L
Phenanthrene	1		5	1.359E+00	10	1.243E+00	25	1.332E+00	40	1.256E+00	60	1.243E+00	80	1.121E+0			1.259	6.65		A
Anthracene	1		5	1.318E+00	10	1.192E+00	25	1.404E+00	40	1.342E+00	60	1.330E+00	80	1.152E+0			1.290	7.50		A
Carbazole	1		5	1.368E+00	10	1.170E+00	25	1.219E+00	40	1.237E+00	60	1.122E+00	80	1.093E+0			1.202	8.18		A
Di-n-butylphthalate	1		5	1.869E+00	10	1.650E+00	25	1.842E+00	40	1.700E+00	60	1.620E+00	80	1.476E+0			1.693	8.67		A
Fluoranthene	1		5	1.197E+00	10	9.829E-01	25	1.140E+00	40	1.100E+00	60	1.010E+00	80	9.910E-01			1.070	8.30		A
Benzidine	1		5	7.810E-01	10	9.499E-01	25	9.750E-01	40	8.010E-01	60	7.720E-01	80	7.200E-01			0.833	12.49		A
Pyrene	1		5	1.686E+00	10	1.603E+00	25	1.495E+00	40	1.496E+00	60	1.587E+00	80	1.485E+0			1.559	5.15		A
Butylbenzylphthalate	1		5	9.459E-01	10	9.589E-01	25	9.990E-01	40	9.589E-01	60	9.950E-01	80	1.008E+0			0.978	2.67		A
3,3'-Dichlorobenzidine	1		5	4.100E-01	10	4.300E-01	25	4.679E-01	40	4.589E-01	60	4.100E-01	80	3.930E-01			0.428	6.98		A
Benzo(a)anthracene	1		5	1.261E+00	10	1.216E+00	25	1.274E+00	40	1.230E+00	60	1.176E+00	80	1.151E+0			1.218	3.92		A
Bis(2-ethylhexyl)phthalate	1		5	1.110E+00	10	1.226E+00	25	1.324E+00	40	1.202E+00	60	1.368E+00	80	1.257E+0			1.248	7.33		A
Chrysene	1		5	1.218E+00	10	1.094E+00	25	1.119E+00	40	1.093E+00	60	1.172E+00	80	1.082E+0			1.130	4.80		A
Di-n-octylphthalate	1		5	2.520E+00	10	2.674E+00	25	2.956E+00	40	3.020E+00	60	3.438E+00	80	3.392E+0			3.000	12.33		A
Benzo(b)fluoranthene	1		5	1.476E+00	10	1.424E+00	25	1.594E+00	40	1.536E+00	60	1.645E+00	80	1.595E+0			1.545	5.38		A
Benzo(k)fluoranthene	1		5	1.617E+00	10	1.429E+00	25	1.455E+00	40	1.562E+00	60	1.663E+00	80	1.489E+0			1.536	6.07		A
Benzo(a)pyrene	1		5	1.318E+00	10	1.237E+00	25	1.292E+00	40	1.483E+00	60	1.414E+00	80	1.395E+0			1.356	6.65		A
Indeno(1,2,3-cd)pyrene	1		5	6.959E-01	10	7.410E-01	25	8.640E-01	40	8.640E-01	60	8.240E-01	80	7.550E-01			0.791	8.87		A
Dibenzo(a,h)anthracene	1		5	7.390E-01	10	7.900E-01	25	9.260E-01	40	9.530E-01	60	9.269E-01	80	8.199E-01			0.859	10.22		A
Benzo(g,h,i)perylene	1		5	8.380E-01	10	8.460E-01	25	9.350E-01	40	8.970E-01	60	8.209E-01	80	7.889E-01			0.854	6.19		A
2-Fluorophenol	1		5	1.536E+00	10	1.309E+00	25	1.623E+00	40	1.410E+00	60	1.434E+00	80	1.415E+0			1.455	7.51		A
Phenol-d5	1		5	1.965E+00	10	1.761E+00	25	2.030E+00	40	1.839E+00	60	1.843E+00	80	1.814E+0			1.875	5.38		A
Nitrobenzene-d5	1		5	3.970E-01	10	3.429E-01	25	4.070E-01	40	3.639E-01	60	3.290E-01	80	3.150E-01			0.359	10.30		A
2-Fluorobiphenyl	1		5	1.267E+00	10	1.150E+00	25	1.184E+00	40	1.181E+00	60	1.207E+00	80	1.132E+0			1.187	4.00		A

Eq Ty = Equation Type
Q=Quadratic, L=Linear, A=Average

* SPCCs #

SUM - 58

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022870 SDG No.: CAB36

Instrument ID: HP 5972 (Donald) Calibration Dates: 10/22/2007 12:15

Heated Purge: (Y/N) N Calibration Times: 10/22/2007 12:15

GC Column: RXI-5Sil MS ID: 0.25 (mm) Mean % RSD: 7.16

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8	$\overline{RF}$	%RSD	r^2 COD	Eq Ty
2,4,6-Tribromophenol	1		5	1.070E-01	10	1.090E-01	25	1.230E-01	40	1.289E-01	60	1.360E-01	80	1.250E-01			0.121	9.40		A
Terphenyl-d14	1		5	1.035E+00	10	9.499E-01	25	9.359E-01	40	9.369E-01	60	9.369E-01	80	9.359E-01			0.955	4.13		A

Eq Ty = Equation Type
Q=Quadratic, L=Linear, A=Average

* SPCCs #

SUM - 59

INITIAL
SECOND SOURCE CALIBRATION VERIFICATION

Lab Name: Laucks Testing Laboratories, Inc. Initial Calibration ID: T8270-102207

Instrument ID: HP 5972 (Donald) Concentration Units: ng/ul

2nd Source ID: ICV102307-1

Analyte	Equation Type	Expected	Found	%D
1,1'-Biphenyl	A	45.00	42.87	4.73
1,2,4,5-Tetrachlorobenzene	A	45.00	44.37	1.40
1,2,4-Trichlorobenzene	A	40.00	40.26	0.65
1,2-Dichlorobenzene	A	40.00	43.47	8.68
1,3-Dichlorobenzene	A	40.00	41.62	4.05
1,4-Dichlorobenzene	A	40.00	40.37	0.93
1,4-Dioxane	A	45.00	40.98	8.93
2,3,4,6-Tetrachlorophenol	A	40.00	43.38	8.45
2,4,5-Trichlorophenol	A	40.00	41.88	4.70
2,4,6-Trichlorophenol	A	40.00	41.86	4.65
2,4-Dichlorophenol	A	40.00	43.32	8.30
2,4-Dimethylphenol	A	40.00	40.92	2.30
2,4-Dinitrophenol	Q	40.00	57.33	43.33
2,4-Dinitrotoluene	A	40.00	46.34	15.85
2,6-Dinitrotoluene	A	40.00	38.36	4.10
2-Chloronaphthalene	A	40.00	43.52	8.80
2-Chlorophenol	A	40.00	48.19	20.48
2-Methylnaphthalene	A	40.00	41.83	4.58
2-Methylphenol	A	40.00	45.90	14.75
2-Nitroaniline	A	40.00	47.80	19.50
2-Nitrophenol	A	40.00	44.95	12.38
3 & 4-Methylphenol	A	40.00	46.69	16.73
3,3'-Dichlorobenzidine	A	40.00	41.14	2.85
3-Nitroaniline	A	40.00	44.42	11.05
4,6-Dinitro-2-methylphenol	Q	40.00	46.89	17.23
4-Bromophenyl-phenyl ether	A	40.00	39.31	1.73
4-Chloro-3-methylphenol	A	40.00	43.87	9.68
4-Chloroaniline	A	40.00	39.48	1.30
4-Chlorophenyl-phenylether	A	40.00	40.84	2.10
4-Nitroaniline	A	40.00	42.53	6.33
4-Nitrophenol	A	40.00	46.89	17.23
Acenaphthene	A	40.00	34.19	14.53
Acenaphthylene	A	40.00	38.53	3.68
Acetophenone	A	45.00	44.09	2.02
Aniline	A	40.00	33.22	16.95
Anthracene	A	40.00	38.49	3.78
Atrazine	A	5.00	4.24	15.20
Benzaldehyde	Q	5.00	2.18	56.40
Benzidine	A	40.00	7.21	81.98
Benzo(a)anthracene	A	40.00	38.87	2.83
Benzo(a)pyrene	A	40.00	39.82	0.45
Benzo(b)fluoranthene	A	40.00	39.88	0.30
Benzo(g,h,i)perylene	A	40.00	38.78	3.05

See NAR.

NOL
See NAR.
VH 10.24.07

INITIAL
SECOND SOURCE CALIBRATION VERIFICATION

Lab Name: Laucks Testing Laboratories, Inc. Initial Calibration ID: T8270-102207

Instrument ID: HP 5972 (Donald) Concentration Units: ng/ul

2nd Source ID: ICV102307-1

Analyte	Equation Type	Expected	Found	%D
Benzo(k)fluoranthene	A	40.00	42.14	5.35
Benzoic acid	Q	80.00	84.69	5.86
Benzyl alcohol	A	40.00	45.44	13.60
Bis(2-chloroethoxy)methane	A	40.00	39.06	2.35
Bis(2-Chloroethyl)ether	A	40.00	38.57	3.58
Bis(2-chloroisopropyl)ether	A	40.00	41.51	3.78
Bis(2-ethylhexyl)phthalate	A	40.00	42.82	7.05
Butylbenzylphthalate	A	40.00	39.51	1.23
Caprolactam	A	5.00	5.64	12.80
Carbazole	A	40.00	36.31	9.23
Chrysene	A	40.00	37.88	5.30
Di-n-butylphthalate	A	40.00	39.51	1.23
Di-n-octylphthalate	A	40.00	47.62	19.05
Dibenzo(a,h)anthracene	A	40.00	43.48	8.70
Dibenzofuran	A	40.00	40.81	2.03
Diethylphthalate	A	40.00	40.54	1.35
Dimethylphthalate	A	40.00	40.42	1.05
Fluoranthene	A	40.00	41.80	4.50
Fluorene	A	40.00	37.60	6.00
Hexachlorobenzene	A	40.00	40.19	0.48
Hexachlorobutadiene	A	40.00	38.60	3.50
Hexachlorocyclopentadiene	A	40.00	38.20	4.50
Hexachloroethane	A	40.00	41.15	2.88
Indeno(1,2,3-cd)pyrene	A	40.00	43.56	8.90
Isophorone	A	40.00	38.47	3.83
N-Nitroso-di-n-propylamine	A	40.00	47.40	18.50
N-Nitrosodimethylamine	A	40.00	45.14	12.85
N-Nitrosodiphenylamine	A	40.00	33.09	17.28
Naphthalene	A	40.00	38.36	4.10
Nitrobenzene	A	40.00	37.51	6.23
Pentachlorophenol	L	40.00	44.97	12.43
Phenanthrene	A	40.00	36.57	8.58
Phenol	A	40.00	45.58	13.95
Pyrene	A	40.00	35.40	11.50
Pyridine	A	40.00	43.11	7.78

Q=Quadratic, L=Linear, A=Average

7

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022870 SDG No.: CAB36

Instrument ID: HP 5972 (Donald) Calibration Date: 10/25/2007 Time: 10:19

Lab File ID: T1025003.D Init. Calib. Date(s): 10/22/2007 10/23/2007

Client Sample No.: CCV102507-2 Init. Calib. Time(s): 10:53 12:15

Heated Purge: (Y/N) N GC Column: RXI-5Sil MS ID: 0.25 (mm)

Compound	Equation Type	RF 25.0	%D	%Drift
3 & 4-Methylphenol	A	1.424	-1.26	
Bis(2-chloroisopropyl)ether	A	2.505	-5.17	
Phenol	A	1.770	5.37	
Bis(2-Chloroethyl)ether	A	1.563	0.03	
2-Chlorophenol	A	1.584	-8.51	
1,3-Dichlorobenzene	A	1.469	-0.45	
1,4-Dichlorobenzene	A	1.430	6.14	
Benzyl alcohol	A	0.935	6.38	
1,2-Dichlorobenzene	A	1.391	1.13	
2-Methylphenol	A	1.367	0.50	
N-Nitroso-di-n-propylamine	A	0.980	-10.93	
Hexachloroethane	A	0.718	-0.02	
Nitrobenzene	A	0.337	8.58	
Isophorone	A	0.644	7.54	
2-Nitrophenol	A	0.213	-8.77	
2,4-Dimethylphenol	A	0.346	10.06	
Benzoic acid	Q	0.104		-11.16
Bis(2-chloroethoxy)methane	A	0.438	10.62	
2,4-Dichlorophenol	A	0.278	4.78	
1,2,4-Trichlorobenzene	A	0.293	4.93	
Naphthalene	A	0.948	11.34	
4-Chloroaniline	A	0.450	8.08	
Hexachlorobutadiene	A	0.136	4.25	
4-Chloro-3-methylphenol	A	0.322	1.20	
2-Methylnaphthalene	A	0.580	6.67	
Hexachlorocyclopentadiene	A	0.275	-4.67	
2,4,6-Trichlorophenol	A	0.364	-8.43	
2,4,5-Trichlorophenol	A	0.382	-5.13	
2-Chloronaphthalene	A	1.097	5.19	
2-Nitroaniline	A	0.394	-10.11	
Dimethylphthalate	A	1.417	-6.81	
2,6-Dinitrotoluene	A	0.382	-8.33	

* = %D or %Drift above limit

= %D or %Drift limts are not configured

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022870 SDG No.: CAB36

Instrument ID: HP 5972 (Donald) Calibration Date: 10/25/2007 Time: 10:19

Lab File ID: T1025003.D Init. Calib. Date(s): 10/22/2007 10/23/2007

Client Sample No.: CCV102507-2 Init. Calib. Time(s): 10:53 12:15

Heated Purge: (Y/N) N GC Column: RXI-5Sil MS ID: 0.25 (mm)

Compound	Equation Type	RF 25.0	%D	%Drift
Acenaphthylene	A	1.738	4.37	
3-Nitroaniline	A	0.419	-3.47	
Acenaphthene	A	1.096	0.46	
2,4-Dinitrophenol	Q	0.160		53.04*
4-Nitrophenol	A	0.178	-10.71	
Dibenzofuran	A	1.559	0.53	
2,4-Dinitrotoluene	A	0.455	-9.00	
Diethylphthalate	A	1.441	-2.62	
Fluorene	A	1.264	-2.28	
4-Chlorophenyl-phenylether	A	0.569	-10.94	
4-Nitroaniline	A	0.467	-6.00	
4,6-Dinitro-2-methylphenol	Q	0.159		21.62*
N-Nitrosodiphenylamine	A	0.744	4.98	
Azobenzene	A	0.944	7.62	
4-Bromophenyl-phenyl ether	A	0.225	-2.55	
Hexachlorobenzene	A	0.237	3.31	
Pentachlorophenol	L	0.136		-3.48
Phenanthrene	A	1.178	6.40	
Anthracene	A	1.233	4.46	
Carbazole	A	1.097	8.75	
Di-n-butylphthalate	A	1.680	0.76	
Fluoranthene	A	1.076	-0.58	
Benzidine	A	0.976	-17.22	
Pyrene	A	1.285	17.55	
Butylbenzylphthalate	A	0.907	7.30	
3,3'-Dichlorobenzidine	A	0.463	-8.25	
Benzo(a)anthracene	A	1.136	6.69	
Bis(2-ethylhexyl)phthalate	A	1.275	-2.20	
Chrysene	A	1.059	6.30	
Di-n-octylphthalate	A	2.865	4.51	
Benzo(b)fluoranthene	A	1.430	7.42	
Benzo(k)fluoranthene	A	1.354	11.87	

* = %D or %Drift above limit

= %D or %Drift limts are not configured

7

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022870 SDG No.: CAB36

Instrument ID: HP 5972 (Donald) Calibration Date: 10/25/2007 Time: 10:19

Lab File ID: T1025003.D Init. Calib. Date(s): 10/22/2007 10/23/2007

Client Sample No.: CCV102507-2 Init. Calib. Time(s): 10:53 12:15

Heated Purge: (Y/N) N GC Column: RXI-5Sil MS ID: 0.25 (mm)

Compound	Equation Type	RF 25.0	%D	%Drift
Benzo(a)pyrene	A	1.255	7.43	
Indeno(1,2,3-cd)pyrene	A	0.981	-24.02*	
Dibenzo(a,h)anthracene	A	1.010	-17.61	
Benzo(g,h,i)perylene	A	0.998	-16.90	
2-Fluorophenol	A	1.446	0.65	
Phenol-d5	A	1.838	1.98	
Nitrobenzene-d5	A	0.297	17.39	
2-Fluorobiphenyl	A	1.234	-3.98	
2,4,6-Tribromophenol	A	0.127	-5.01	
Terphenyl-d14	A	0.896	6.15	

* = %D or %Drift above limit

= %D or %Drift limts are not configured

1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B091907MSVWLP

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB36

Run Sequence: R022870

Matrix: (SOIL/WATER) Water

Lab Sample ID: B091907MSVWLP

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: T1025004.D

Level: (LOW/MED)

Date Collected:

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/19/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/25/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-39-4/	3 & 4-Methylphenol	5.0	U
108-60-1	Bis(2-chloroisopropyl)ether	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-Chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
100-51-6	Benzyl alcohol	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
95-48-7	2-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
65-85-0	Benzoic acid	10	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B091907MSVWLP

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB36

Run Sequence: R022870

Matrix: (SOIL/WATER) Water

Lab Sample ID: B091907MSVWLP

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: T1025004.D

Level: (LOW/MED)

Date Collected:

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/19/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/25/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	5.0	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	5.0	U
83-32-9	Acenaphthene	5.0	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	5.0	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	5.0	U
534-52-1	4,6-Dinitro-2-methylphenol	5.0	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
122-66-7	Azobenzene	5.0	U
101-55-3	4-Bromophenyl-phenyl ether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
87-86-5	Pentachlorophenol	5.0	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
86-74-8	Carbazole	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U

1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B091907MSVWLP

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB36

Run Sequence: R022870

Matrix: (SOIL/WATER) Water

Lab Sample ID: B091907MSVWLP

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: T1025004.D

Level: (LOW/MED)

Date Collected:

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/19/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/25/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
92-87-5	Benzidine	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3'-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	0.66	JB
218-01-9	Chrysene	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

Comments:

1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S091907MSVWLP

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB36

Run Sequence: R022870

Matrix: (SOIL/WATER) Water

Lab Sample ID: S091907MSVWLP

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: T1025005.D

Level: (LOW/MED)

Date Collected:

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/19/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/25/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-39-4/	3 & 4-Methylphenol	17	
108-60-1	Bis(2-chloroisopropyl)ether	17	
108-95-2	Phenol	12	
111-44-4	Bis(2-Chloroethyl)ether	15	
95-57-8	2-Chlorophenol	12	
541-73-1	1,3-Dichlorobenzene	9.4	
106-46-7	1,4-Dichlorobenzene	9.6	
100-51-6	Benzyl alcohol	17	
95-50-1	1,2-Dichlorobenzene	11	
95-48-7	2-Methylphenol	16	
621-64-7	N-Nitroso-di-n-propylamine	20	
67-72-1	Hexachloroethane	8.4	
98-95-3	Nitrobenzene	14	
78-59-1	Isophorone	17	
88-75-5	2-Nitrophenol	14	
105-67-9	2,4-Dimethylphenol	15	
65-85-0	Benzoic acid	12	
111-91-1	Bis(2-chloroethoxy)methane	14	
120-83-2	2,4-Dichlorophenol	12	
120-82-1	1,2,4-Trichlorobenzene	11	
91-20-3	Naphthalene	13	
106-47-8	4-Chloroaniline	9.6	
87-68-3	Hexachlorobutadiene	8.8	
59-50-7	4-Chloro-3-methylphenol	16	
91-57-6	2-Methylnaphthalene	14	
77-47-4	Hexachlorocyclopentadiene	2.7	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S091907MSVWLP

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB36

Run Sequence: R022870

Matrix: (SOIL/WATER) Water

Lab Sample ID: S091907MSVWLP

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: T1025005.D

Level: (LOW/MED)

Date Collected:

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/19/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/25/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-06-2	2,4,6-Trichlorophenol	13	
95-95-4	2,4,5-Trichlorophenol	16	
91-58-7	2-Chloronaphthalene	14	
88-74-4	2-Nitroaniline	20	
131-11-3	Dimethylphthalate	18	
606-20-2	2,6-Dinitrotoluene	17	
208-96-8	Acenaphthylene	15	
99-09-2	3-Nitroaniline	11	
83-32-9	Acenaphthene	17	
51-28-5	2,4-Dinitrophenol	25	
100-02-7	4-Nitrophenol	19	
132-64-9	Dibenzofuran	16	
121-14-2	2,4-Dinitrotoluene	18	
84-66-2	Diethylphthalate	18	
86-73-7	Fluorene	17	
7005-72-3	4-Chlorophenyl-phenylether	18	
100-01-6	4-Nitroaniline	16	
534-52-1	4,6-Dinitro-2-methylphenol	17	
86-30-6	N-Nitrosodiphenylamine	11	
122-66-7	Azobenzene	15	
101-55-3	4-Bromophenyl-phenyl ether	16	
118-74-1	Hexachlorobenzene	18	
87-86-5	Pentachlorophenol	16	
85-01-8	Phenanthrene	16	
120-12-7	Anthracene	16	
86-74-8	Carbazole	17	
84-74-2	Di-n-butylphthalate	18	
206-44-0	Fluoranthene	17	

1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S091907MSVWLP

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB36

Run Sequence: R022870

Matrix: (SOIL/WATER) Water

Lab Sample ID: S091907MSVWLP

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: T1025005.D

Level: (LOW/MED)

Date Collected:

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/19/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/25/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
92-87-5	Benzidine	5.0	U
129-00-0	Pyrene	15	
85-68-7	Butylbenzylphthalate	15	
91-94-1	3,3'-Dichlorobenzidine	13	
56-55-3	Benzo(a)anthracene	15	
117-81-7	Bis(2-ethylhexyl)phthalate	17	
218-01-9	Chrysene	17	
117-84-0	Di-n-octylphthalate	17	
205-99-2	Benzo(b)fluoranthene	14	
207-08-9	Benzo(k)fluoranthene	15	
50-32-8	Benzo(a)pyrene	14	
193-39-5	Indeno(1,2,3-cd)pyrene	19	
53-70-3	Dibenzo(a,h)anthracene	18	
191-24-2	Benzo(g,h,i)perylene	19	

Comments:

Forms Summary

CAB36

Ordnance by Method 8330

2

WATER ORDNANCE SURROGATE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

SDG No.: CAB36 Run Sequence: R021913

(LAB SAMPLE ID) CLIENT SAMPLE NUMBER	S1 (DNT) #	S2 () #	S3 () #	S4 () #	TOT OUT
(CAB36-006) 16LCMW02DW	96				0
(CAB36-005) 16LCMW02SW	99				0
(CAB36-004) 16LCMW01DW	94				0
(CAB36-002) 16LCMW435W	94				0
(CAB36-001) 16LCMW01SW	91				0
(S092007HORWLG) S092007HORWLG	112				0
(B092007HORWLG) B092007HORWLG	92				0

QC LIMITS

S1 (DNT) = 3,4-Dinitrotoluene 60-140

S2 () =

S3 () =

S4 () =

Column to be used to flag recovery values

* Values outside of contract required QC limits

3B
WATER ORDNANCE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R021913 SDG No.: CAB36

BS Lab Sample ID: S092007HORWLG

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
HMX	20.0	22.197	111	80-115
RDX	20.0	22.0989	110	50-160
1,3,5-Trinitrobenzene	20.0	21.9129	110	65-140
1,3-Dinitrobenzene	20.0	22.2511	111	45-160
Nitrobenzene	20.0	22.4729	112	50-140
Tetryl	20.0	18.7071	94	20-175
2,4,6-Trinitrotoluene	20.0	20.7289	104	50-145
4-Amino-2,6-dinitrotoluene	20.0	19.587	98	55-155
2-Amino-4,6-dinitrotoluene	20.0	21.13	106	50-155
2,6-Dinitrotoluene	20.0	20.9857	105	60-135
2,4-Dinitrotoluene	20.0	20.3228	102	60-135
2-Nitrotoluene	20.0	20.9977	105	45-135
4-Nitrotoluene	20.0	21.0366	105	50-130
3-Nitrotoluene	20.0	20.8838	104	50-130

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

Spike Recovery: 0 out of 14 outside limits

COMMENTS:

ORDNANCE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.
B092007HORWLG

Lab Name: Laucks Testing Labs Contract: N/A

Lab Sample ID: B092007HORWLG SDG No.: CAB36

Matrix: (SOIL/WATER) Water Date Prepared: 09/20/2007

Lab File ID (1): O92107.b-O9210704.D Lab File ID (2): F92107A.b-F9210715.D

Date Analyzed (1): 09/21/2007 Date Analyzed (2):

Time Analyzed (1): 10:19 Time Analyzed (2):

Instrument ID (1): HPLC5 (Oscar) Instrument ID (2): HPLC3 (Felix)

Column(1): Allure C18 ID: 4.60 (mm) Column(2): Synergi - EtPH ID: 4.60 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC SAMPLES:

CLIENT SAMPLE NO.	LAB SAMPLE ID	COL	LAB FILE ID	DATE/TIME ANALYZED	RUN SEQUENCE
16LCMW01SW	CAB36-001	1	O9210709.D	09/21/2007 13:34	R021913
		2			
16LCMW435W	CAB36-002	1	O9210710.D	09/21/2007 14:13	R021913
		2			
16LCMW01DW	CAB36-004	1	O9210711.D	09/21/2007 14:52	R021913
		2			
16LCMW02SW	CAB36-005	1	O9210712.D	09/21/2007 15:31	R021913
		2			
16LCMW02DW	CAB36-006	1	O9210713.D	09/21/2007 16:10	R021913
		2			
S092007HORWLG	S092007HORWLG	1	O9210705.D	09/21/2007 10:58	R021913
		2	F9210716.D	09/21/2007 21:14	R021913

COMMENTS:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW01SW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R021913

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-001

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: 09210709.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/17/2007

Extraction: (Type) SPE

Date Extracted: 09/20/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/21/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.48	U
121-82-4	RDX	0.48	U
99-35-4	1,3,5-Trinitrobenzene	0.48	U
99-65-0	1,3-Dinitrobenzene	0.48	U
98-95-3	Nitrobenzene	0.48	U
479-45-8	Tetryl	0.48	U
118-96-7	2,4,6-Trinitrotoluene	0.48	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.48	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.48	U
606-20-2	2,6-Dinitrotoluene	0.48	U
121-14-2	2,4-Dinitrotoluene	0.48	U
88-72-2	2-Nitrotoluene	0.48	U
99-99-0	4-Nitrotoluene	0.48	U
99-08-1	3-Nitrotoluene	0.48	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW435W

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R021913

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-002

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: O9210710.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/17/2007

Extraction: (Type) SPE

Date Extracted: 09/20/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/21/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.48	U
121-82-4	RDX	0.48	U
99-35-4	1,3,5-Trinitrobenzene	0.48	U
99-65-0	1,3-Dinitrobenzene	0.48	U
98-95-3	Nitrobenzene	0.48	U
479-45-8	Tetryl	0.48	U
118-96-7	2,4,6-Trinitrotoluene	0.48	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.48	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.48	U
606-20-2	2,6-Dinitrotoluene	0.48	U
121-14-2	2,4-Dinitrotoluene	0.48	U
88-72-2	2-Nitrotoluene	0.48	U
99-99-0	4-Nitrotoluene	0.48	U
99-08-1	3-Nitrotoluene	0.48	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW01DW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R021913

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-004

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: O9210711.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/17/2007

Extraction: (Type) SPE

Date Extracted: 09/20/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/21/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.48	U
121-82-4	RDX	0.48	U
99-35-4	1,3,5-Trinitrobenzene	0.48	U
99-65-0	1,3-Dinitrobenzene	0.48	U
98-95-3	Nitrobenzene	0.48	U
479-45-8	Tetryl	0.48	U
118-96-7	2,4,6-Trinitrotoluene	0.48	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.48	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.48	U
606-20-2	2,6-Dinitrotoluene	0.48	U
121-14-2	2,4-Dinitrotoluene	0.48	U
88-72-2	2-Nitrotoluene	0.48	U
99-99-0	4-Nitrotoluene	0.48	U
99-08-1	3-Nitrotoluene	0.48	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW02SW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R021913

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-005

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: O9210712.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/17/2007

Extraction: (Type) SPE

Date Extracted: 09/20/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/21/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.48	U
121-82-4	RDX	0.48	U
99-35-4	1,3,5-Trinitrobenzene	0.48	U
99-65-0	1,3-Dinitrobenzene	0.48	U
98-95-3	Nitrobenzene	0.48	U
479-45-8	Tetryl	0.48	U
118-96-7	2,4,6-Trinitrotoluene	0.48	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.48	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.48	U
606-20-2	2,6-Dinitrotoluene	0.48	U
121-14-2	2,4-Dinitrotoluene	0.48	U
88-72-2	2-Nitrotoluene	0.48	U
99-99-0	4-Nitrotoluene	0.48	U
99-08-1	3-Nitrotoluene	0.48	U

Comments:

Laucks Testing Labs
Initial Calibration Linearity Summary

Start Cal Date: 18-JUL-2007 22:47
End Cal Date : 19-JUL-2007 01:27
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\071807A.b\8330JUL1807.m
Sublist : 8330MNX.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180720.D
Level 2: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180721.D
Level 3: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180722.D
Level 4: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180723.D
Level 5: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180724.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave CF	%RSD
1 HMX	10.36000	9.720000	10.52600	9.451000	9.429400	9.897280	5.2
4 MNX	12.62000	13.21000	12.95400	13.11200	11.23400	12.62600	6.4
5 RDX	7.440000	7.200000	8.314000	7.449000	7.510600	7.582720	5.6
6 1,3,5-Trinitrobenzene	14.28000	13.64000	14.83000	13.44500	13.59720	13.95844	4.2
7 1,3-Dinitrobenzene	15.30000	14.46000	15.94800	14.62100	14.89880	15.04556	4.0
8 Tetryl	7.940000	7.440000	8.250000	7.503000	7.571600	7.740920	4.4
9 Nitrobenzene	8.460000	8.220000	8.566000	8.386000	8.601000	8.446600	1.8
11 2,4,6-Trinitrotoluene	9.060000	8.520000	9.394000	8.528000	8.622400	8.824880	4.4
12 4-Amino-2,6-Dinitrotoluene	6.100000	5.860000	6.518000	5.900000	5.938000	6.063200	4.5
13 2-Amino-4,6-Dinitrotoluene	8.200000	7.750000	8.562000	7.731000	7.787800	8.006160	4.6
14 2,6-Dinitrotoluene	5.180000	4.970000	5.502000	5.056000	5.131000	5.167800	3.9

Amount = Response divided by CF

CF - Calibration Factor (response divided by concentration).
RSD - Relative Standard Deviation.

Laucks Testing Labs
Initial Calibration Linearity Summary

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave CF	%RSD
15 2,4-Dinitrotoluene	9.600000	9.110000	10.15000	9.291000	9.409000	9.512000	4.2
16 2-Nitrotoluene	3.520000	3.370000	3.482000	3.410000	3.505600	3.457520	1.9
17 4-Nitrotoluene	2.860000	2.590000	2.744000	2.672000	2.762600	2.725720	3.7
18 3-Nitrotoluene	3.280000	3.130000	3.220000	3.141000	3.248600	3.203920	2.1
10 3,4-Dinitrotoluene	7.560000	7.250000	7.912000	7.363000	7.424600	7.501920	3.4
Average RSD :							4.0

Amount = Response divided by CF

CF - Calibration Factor (response divided by concentration).
RSD - Relative Standard Deviation.

Laucks Testing Labs
Initial Calibration Retention Time Summary

Start Cal Date: 18-JUL-2007 22:47
End Cal Date : 19-JUL-2007 01:27
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\O71807A.b\8330JUL1807.m
Sublist : 8330MNX.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180720.D
Level 2: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180721.D
Level 3: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180722.D
Level 4: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180723.D
Level 5: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180724.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave RT
1 HMX	4.54	4.54	4.54	4.54	4.55	4.543
4 MNX	6.76	6.76	6.77	6.76	6.77	6.764
5 RDX	7.92	7.92	7.92	7.92	7.92	7.918
6 1,3,5-Trinitrobenzene	11.44	11.45	11.45	11.45	11.45	11.448
7 1,3-Dinitrobenzene	14.16	14.16	14.18	14.16	14.15	14.161
8 Tetryl	15.83	15.84	15.85	15.82	15.82	15.831
9 Nitrobenzene	16.66	16.67	16.68	16.65	16.65	16.662
11 2,4,6-Trinitrotoluene	19.26	19.26	19.27	19.24	19.24	19.252
12 4-Amino-2,6-Dinitrotoluene	19.97	19.98	19.99	19.96	19.96	19.972
13 2-Amino-4,6-Dinitrotoluene	21.06	21.07	21.08	21.04	21.04	21.057
14 2,6-Dinitrotoluene	22.41	22.41	22.42	22.39	22.39	22.405

Retention times are expressed as minutes.

Laucks Testing Labs
Initial Calibration Retention Time Summary

Start Cal Date: 18-JUL-2007 22:47
End Cal Date : 19-JUL-2007 01:27
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\071807A.b\8330JUL1807.m
Sublist : 8330MNX.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave RT
15 2,4-Dinitrotoluene	23.30	23.31	23.31	23.28	23.28	23.295
16 2-Nitrotoluene	28.25	28.24	28.25	28.22	28.22	28.235
17 4-Nitrotoluene	30.68	30.69	30.70	30.67	30.66	30.682
18 3-Nitrotoluene	33.03	33.02	33.02	32.99	33.00	33.012
10 3,4-Dinitrotoluene	17.00	17.01	17.03	17.00	17.00	17.007

Retention times are expressed as minutes.

Laucks Testing Labs
Initial Calibration Amounts Summary

Start Cal Date: 18-JUL-2007 22:47
End Cal Date : 19-JUL-2007 01:27
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\071807A.b\8330JUL1807.m
Sublist : 8330MNX.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180720.D
Level 2: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180721.D
Level 3: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180722.D
Level 4: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180723.D
Level 5: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180724.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
1 HMX	50.00	100.00	500.00	1000.00	5000.00
4 MNX	50.00	100.00	500.00	1000.00	5000.00
5 RDX	50.00	100.00	500.00	1000.00	5000.00
6 1,3,5-Trinitrobenzene	50.00	100.00	500.00	1000.00	5000.00
7 1,3-Dinitrobenzene	50.00	100.00	500.00	1000.00	5000.00
8 Tetryl	50.00	100.00	500.00	1000.00	5000.00
9 Nitrobenzene	50.00	100.00	500.00	1000.00	5000.00
11 2,4,6-Trinitrotoluene	50.00	100.00	500.00	1000.00	5000.00
12 4-Amino-2,6-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00
13 2-Amino-4,6-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00
14 2,6-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00

Standard concentrations are expressed as ng/mL.

Laucks Testing Labs
Initial Calibration Amounts Summary

Start Cal Date: 18-JUL-2007 22:47
End Cal Date : 19-JUL-2007 01:27
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\071807A.b\8330JUL1807.m
Sublist : 8330MNX.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
15 2,4-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00
16 2-Nitrotoluene	50.00	100.00	500.00	1000.00	5000.00
17 4-Nitrotoluene	50.00	100.00	500.00	1000.00	5000.00
18 3-Nitrotoluene	50.00	100.00	500.00	1000.00	5000.00
10 3,4-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00

Standard concentrations are expressed as ng/mL.

Laucks Testing Labs
Initial Calibration Response Summary

Start Cal Date: 18-JUL-2007 22:47
End Cal Date : 19-JUL-2007 01:27
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\O71807A.b\8330JUL1807.m
Sublist : 8330MNX.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180720.D
Level 2: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180721.D
Level 3: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180722.D
Level 4: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180723.D
Level 5: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180724.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
1 HMX	518.00000	972.00000	5263.0000	9451.0000	47147.000
4 MNX	631.00000	1321.0000	6477.0000	13112.000	56170.000
5 RDX	372.00000	720.00000	4157.0000	7449.0000	37553.000
6 1,3,5-Trinitrobenzene	714.00000	1364.0000	7415.0000	13445.000	67986.000
7 1,3-Dinitrobenzene	765.00000	1446.0000	7974.0000	14621.000	74494.000
8 Tetryl	397.00000	744.00000	4125.0000	7503.0000	37858.000
9 Nitrobenzene	423.00000	822.00000	4283.0000	8386.0000	43005.000
11 2,4,6-Trinitrotoluene	453.00000	852.00000	4697.0000	8528.0000	43112.000
12 4-Amino-2,6-Dinitrotoluene	305.00000	586.00000	3259.0000	5900.0000	29690.000
13 2-Amino-4,6-Dinitrotoluene	410.00000	775.00000	4281.0000	7731.0000	38939.000
14 2,6-Dinitrotoluene	259.00000	497.00000	2751.0000	5056.0000	25655.000

Response is in Height units.

Laucks Testing Labs
Initial Calibration Response Summary

Start Cal Date: 18-JUL-2007 22:47
End Cal Date : 19-JUL-2007 01:27
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\071807A.b\8330JUL1807.m
Sublist : 8330MNX.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
15 2,4-Dinitrotoluene	480.00000	911.00000	5075.0000	9291.0000	47045.000
16 2-Nitrotoluene	176.00000	337.00000	1741.0000	3410.0000	17528.000
17 4-Nitrotoluene	143.00000	259.00000	1372.0000	2672.0000	13813.000
18 3-Nitrotoluene	164.00000	313.00000	1610.0000	3141.0000	16243.000
10 3,4-Dinitrotoluene	378.00000	725.00000	3956.0000	7363.0000	37123.000

Response is in Height units.

Laucks Testing Labs
Initial Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/O92107.b/O9210703.D		
Injection Date	: 21-SEP-2007 09:38		
Sample Info	: STD04 1000PPB METHOD 8330		
Misc. Info	: ICV		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-02 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: 8330JUL1807.m	Sublist	: 8330
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type:	CCALIB_4
Column	: C18	Column Size:	0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	ICV CF	%D	Flag
HMX	4.59 #	4.34 - 4.84	9.897280	9.629000	2.7	
RDX	8.03 #	7.78 - 8.28	7.582720	7.507000	1.0	
1,3,5-Trinitrobenzene	11.64 #	11.38 - 11.88	13.95844	13.39400	4.0	
1,3-Dinitrobenzene	14.38 #	14.13 - 14.63	15.04556	14.71700	2.2	
Tetryl	16.15 #	15.90 - 16.40	7.740920	7.053000	8.9	
Nitrobenzene	16.89 #	16.64 - 17.14	8.446600	8.802000	-4.2	
3,4-Dinitrotoluene	17.36 #	17.11 - 17.61	7.501920	6.338000	15.5	
2,4,6-Trinitrotoluene	19.63 #	19.38 - 19.88	8.824880	7.899000	10.5	
4-Amino-2,6-Dinitrotoluene	20.34 #	20.04 - 20.64	6.063200	5.826000	3.9	
2-Amino-4,6-Dinitrotoluene	21.45 #	21.15 - 21.75	8.006160	7.691000	3.9	
2,6-Dinitrotoluene	22.81 #	22.52 - 23.10	5.167800	5.063000	2.0	
2,4-Dinitrotoluene	23.72 #	23.43 - 24.01	9.512000	9.217000	3.1	
2-Nitrotoluene	28.70 #	28.34 - 29.06	3.457520	3.598000	-4.1	
4-Nitrotoluene	31.22 #	30.82 - 31.62	2.725720	2.815000	-3.3	
3-Nitrotoluene	33.57 #	33.13 - 34.01	3.203920	3.323000	-3.7	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - ICV CF) divided by Ave CF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File : //ceres/labdata/hplc/oscar/Oscar.i/O92107.b/O9210714.D
Injection Date : 21-SEP-2007 16:49
Sample Info : STD04 1000PPB METHOD 8330
Misc. Info : Method 8330
Laboratory ID : STD04 1000PPB
Instrument ID : Oscar.i
Method : 8330JUL1807.m
Quantitation : ESTD
Dilution Factor : 1.00
Column : C18
Client ID : HPLC1-17-02 20X
Operator : MY
Sublist : 8330
Integrator : HP Genie
Sample Type: CCALIB_4
Column Size: 0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
HMX	4.59	4.34 - 4.84	9.897280	9.911000	-0.1	
RDX	8.06	7.78 - 8.28	7.582720	7.747000	-2.2	
1,3,5-Trinitrobenzene	11.69	11.38 - 11.88	13.95844	13.98900	-0.2	
1,3-Dinitrobenzene	14.46	14.13 - 14.63	15.04556	15.07400	-0.2	
Tetryl	16.25	15.90 - 16.40	7.740920	7.070000	8.7	
Nitrobenzene	16.99	16.64 - 17.14	8.446600	8.912000	-5.5	
3,4-Dinitrotoluene	17.48	17.11 - 17.61	7.501920	6.425000	14.4	
2,4,6-Trinitrotoluene	19.75	19.38 - 19.88	8.824880	8.008000	9.3	
4-Amino-2,6-Dinitrotoluene	20.46	20.04 - 20.64	6.063200	5.965000	1.6	
2-Amino-4,6-Dinitrotoluene	21.56	21.15 - 21.75	8.006160	7.882000	1.6	
2,6-Dinitrotoluene	22.96	22.52 - 23.10	5.167800	5.165000	0.1	
2,4-Dinitrotoluene	23.87	23.43 - 24.01	9.512000	9.427000	0.9	
2-Nitrotoluene	28.90	28.34 - 29.06	3.457520	3.613000	-4.5	
4-Nitrotoluene	31.42	30.82 - 31.62	2.725720	2.828000	-3.8	
3-Nitrotoluene	33.80	33.13 - 34.01	3.203920	3.347000	-4.5	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B092007HORWLG

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R021913

Matrix: (SOIL/WATER) Water

Lab Sample ID: B092007HORWLG

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: 09210704.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SPE

Date Extracted: 09/20/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/21/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.50	U
121-82-4	RDX	0.50	U
99-35-4	1,3,5-Trinitrobenzene	0.50	U
99-65-0	1,3-Dinitrobenzene	0.50	U
98-95-3	Nitrobenzene	0.50	U
479-45-8	Tetryl	0.50	U
118-96-7	2,4,6-Trinitrotoluene	0.50	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.50	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.50	U
606-20-2	2,6-Dinitrotoluene	0.50	U
121-14-2	2,4-Dinitrotoluene	0.50	U
88-72-2	2-Nitrotoluene	0.50	U
99-99-0	4-Nitrotoluene	0.50	U
99-08-1	3-Nitrotoluene	0.50	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S092007HORWLG

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R021913

Matrix: (SOIL/WATER) Water

Lab Sample ID: S092007HORWLG

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: O9210705.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SPE

Date Extracted: 09/20/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/21/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
2691-41-0	HMX	22.2	
121-82-4	RDX	22.1	
99-35-4	1,3,5-Trinitrobenzene	21.9	
99-65-0	1,3-Dinitrobenzene	22.3	
98-95-3	Nitrobenzene	22.5	
479-45-8	Tetryl	18.7	
118-96-7	2,4,6-Trinitrotoluene	20.7	
19406-51-0	4-Amino-2,6-dinitrotoluene	19.6	
35572-78-2	2-Amino-4,6-dinitrotoluene	21.1	
606-20-2	2,6-Dinitrotoluene	21.0	
121-14-2	2,4-Dinitrotoluene	20.3	
88-72-2	2-Nitrotoluene	21.0	
99-99-0	4-Nitrotoluene	21.0	
99-08-1	3-Nitrotoluene	20.9	

Comments:

Forms Summary

CAB36

Ordnance by Method 8332

2

WATER ORDNANCE SURROGATE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

SDG No.: CAB36 Run Sequence: R021942

(LAB SAMPLE ID) CLIENT SAMPLE NUMBER	S1 (DNT) #	S2 () #	S3 () #	S4 () #	TOT OUT
(CAB36-006) 16LCMW02DW	128				0
(CAB36-005) 16LCMW02SW	132				0
(CAB36-004) 16LCMW01DW	125				0
(CAB36-002) 16LCMW435W	125				0
(CAB36-001) 16LCMW01SW	121				0
(S092007HORWLG2) S092007HORWLG2	127				0
(B092007HORWLG) B092007HORWLG	121				0

QC LIMITS

S1 (DNT) = 3,4-Dinitrotoluene 60-140

S2 () =

S3 () =

S4 () =

Column to be used to flag recovery values

* Values outside of contract required QC limits

3B
WATER ORDNANCE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R021942 SDG No.: CAB36

BS Lab Sample ID: S092007HORWLG2

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
Nitroglycerin	10.0	11.3809	114	60-140
PETN	5.00	5.2456	105	60-140

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

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

ORDNANCE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.
B092007HORWLG

Lab Name: Laucks Testing Labs Contract: N/A

Lab Sample ID: B092007HORWLG SDG No.: CAB36

Matrix: (SOIL/WATER) Water Date Prepared: 09/20/2007

Lab File ID (1): O92407.b-O9240703.D Lab File ID (2): _____

Date Analyzed (1): 09/24/2007 Date Analyzed (2): _____

Time Analyzed (1): 10:53 Time Analyzed (2): _____

Instrument ID (1): HPLC5 (Oscar) Instrument ID (2): _____

Column(1): Varian C18 ID: 4.60 (mm) Column(2): _____ ID: _____ (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC SAMPLES:

CLIENT SAMPLE NO.	LAB SAMPLE ID	COL	LAB FILE ID	DATE/TIME ANALYZED	RUN SEQUENCE
16LCMW01SW	CAB36-001	1	O9240705.D	09/24/2007 11:45	R021942
16LCMW435W	CAB36-002	1	O9240706.D	09/24/2007 12:11	R021942
16LCMW01DW	CAB36-004	1	O9240707.D	09/24/2007 12:37	R021942
16LCMW02SW	CAB36-005	1	O9240708.D	09/24/2007 13:03	R021942
16LCMW02DW	CAB36-006	1	O9240709.D	09/24/2007 13:29	R021942
S092007HORWLG2	S092007HORWLG2	1	O9240704.D	09/24/2007 11:19	R021942

COMMENTS: _____

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW01SW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R021942

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-001

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: O9240705.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/17/2007

Extraction: (Type) SPE

Date Extracted: 09/20/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/24/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
55-63-0	Nitroglycerin	2.4	U
78-11-5	PETN	1.1	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW435W

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R021942

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-002

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: O9240706.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/17/2007

Extraction: (Type) SPE

Date Extracted: 09/20/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/24/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
55-63-0	Nitroglycerin	2.4	U
78-11-5	PETN	1.1	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW01DW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R021942

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-004

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: O9240707.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/17/2007

Extraction: (Type) SPE

Date Extracted: 09/20/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/24/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
55-63-0	Nitroglycerin	2.4	U
78-11-5	PETN	1.1	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW02SW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R021942

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-005

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: O9240708.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/17/2007

Extraction: (Type) SPE

Date Extracted: 09/20/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/24/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
55-63-0	Nitroglycerin	2.4	U
78-11-5	PETN	1.1	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW02DW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R021942

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-006

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: O9240709.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/17/2007

Extraction: (Type) SPE

Date Extracted: 09/20/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/24/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
55-63-0	Nitroglycerin	2.4	U
78-11-5	PETN	1.1	U

Comments:

SUM - 100

Laucks Testing Labs
Initial Calibration Linearity Summary

Start Cal Date: 10-JUL-2006 11:17
End Cal Date : 10-JUL-2006 13:05
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\SNAP568564B\tek4\Oscar.i\O71006ng.b\071006NG.m
Sublist : all.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100601.D
Level 2: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100602.D
Level 3: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100603.D
Level 4: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100604.D
Level 5: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100605.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave CF	%RSD
1 Nitroglycerin	348.3440	362.3640	357.0210	378.5100	373.9440	364.0366	3.4
3 PETN	384.2240	428.2400	383.0820	416.1968	409.5208	404.2527	4.9
2 3,4-Dinitrotoluene	833.5840	891.7440	836.9660	887.3984	879.7140	865.8817	3.3
Average RSD :							3.9

Amount = Response divided by CF

CF - Calibration Factor (response divided by concentration).
RSD - Relative Standard Deviation.

SUM - 101

Laucks Testing Labs
Initial Calibration Retention Time Summary

Start Cal Date: 10-JUL-2006 11:17
End Cal Date : 10-JUL-2006 13:05
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\SNAP568564B\tek4\Oscar.i\O71006ng.b\071006NG.m
Sublist : all.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100601.D
Level 2: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100602.D
Level 3: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100603.D
Level 4: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100604.D
Level 5: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100605.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave RT
1 Nitroglycerin	9.46	9.44	9.45	9.45	9.44	9.449
3 PETN	17.39	17.36	17.36	17.36	17.36	17.369
2 3,4-Dinitrotoluene	10.33	10.31	10.32	10.32	10.31	10.316

Retention times are expressed as minutes.

SUM - 102

Laucks Testing Labs
Initial Calibration Amounts Summary

Start Cal Date: 10-JUL-2006 11:17
End Cal Date : 10-JUL-2006 13:05
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\SNAP568564B\tek4\Oscar.i\O71006ng.b\071006NG.m
Sublist : all.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100601.D
Level 2: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100602.D
Level 3: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100603.D
Level 4: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100604.D
Level 5: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100605.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
1 Nitroglycerin	250.00	500.00	1000.00	2500.00	5000.00
3 PETN	125.00	250.00	500.00	1250.00	2500.00
2 3,4-Dinitrotoluene	125.00	250.00	500.00	1250.00	2500.00

Standard concentrations are expressed as ng/mL.

Laucks Testing Labs
Initial Calibration Response Summary

SUM - 103

Start Cal Date: 10-JUL-2006 11:17
End Cal Date : 10-JUL-2006 13:05
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\SNAP568564B\tek4\Oscar.i\O71006ng.b\071006NG.m
Sublist : all.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100601.D
Level 2: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100602.D
Level 3: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100603.D
Level 4: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100604.D
Level 5: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100605.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
1 Nitroglycerin	87086.000	181182.00	357021.00	946275.00	1869720.0
3 PETN	48028.000	107060.00	191541.00	520246.00	1023802.0
2 3,4-Dinitrotoluene	104198.00	222936.00	418483.00	1109248.0	2199285.0

Response is in Area units.

Laucks Testing Labs
Initial Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/O92407.b/O9240702.D		
Injection Date	: 24-SEP-2007 10:17		
Sample Info	: STD04 1000PPB METHOD 8332		
Misc. Info	: ICV		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-16-04 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: 071006NG.m	Sublist	: all
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type:	CCALIB_3
Column	: C18	Column Size:	0.15m L- 4.60mm ID

Compound	RT	RT Window	Average CF	ICV CF	%D	Flag
Nitroglycerin	9.51 #	9.26 - 9.76	364.0366	365.4570	-0.4	
3,4-Dinitrotoluene	10.50 #	10.25 - 10.75	865.8817	889.0920	-2.7	
PETN	17.70 #	17.45 - 17.95	404.2527	396.0700	2.0	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - ICV CF) divided by Ave CF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/O92407.b/O9240710.D		
Injection Date	: 24-SEP-2007 13:55		
Sample Info	: STD04 1000PPB METHOD 8332		
Misc. Info	: Method 8332		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-16-04 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: 071006NG.m	Sublist	: all
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: C18	Column Size	: 0.15m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
Nitroglycerin	9.49	9.26 - 9.76	364.0366	370.9660	-1.9	
3,4-Dinitrotoluene	10.47	10.25 - 10.75	865.8817	894.9900	-3.4	
PETN	17.67	17.45 - 17.95	404.2527	397.2140	1.7	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B092007HORWLG

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R021942

Matrix: (SOIL/WATER) Water

Lab Sample ID: B092007HORWLG

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: O9240703.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SPE

Date Extracted: 09/20/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/24/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
55-63-0	Nitroglycerin	2.5	U
78-11-5	PETN	1.2	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S092007HORWLG2

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R021942

Matrix: (SOIL/WATER) Water

Lab Sample ID: S092007HORWLG2

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: 09240704.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SPE

Date Extracted: 09/20/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/24/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
55-63-0	Nitroglycerin	11.4	
78-11-5	PETN	5.25	

Comments:

Forms Summary

CAB36

Ordnance by Method 8303

2
WATER ORDNANCE SURROGATE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

SDG No.: CAB36 Run Sequence: R021941

(LAB SAMPLE ID) CLIENT SAMPLE NUMBER	S1 (D2M) #	S2 () #	S3 () #	S4 () #	TOT OUT
(CAB36-006) 16LCMW02DW	82				0
(CAB36-005) 16LCMW02SW	80				0
(CAB36-004) 16LCMW01DW	85				0
(CAB36-002) 16LCMW435W	81				0
(CAB36-001) 16LCMW01SW	83				0
(S092107HSVWLO) S092107HSVWLO	79				0
(B092107HSVWLO) B092107HSVWLO	84				0

QC LIMITS

S1 (D2M) = 4,6-Dinitro-2-methylpheno 70-115

S2 () =

S3 () =

S4 () =

Column to be used to flag recovery values
* Values outside of contract required QC limits

3B
WATER ORDNANCE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R021941 SDG No.: CAB36

BS Lab Sample ID: S092107HSVWLO

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
Picric Acid	4.00	2.913	73	61-128
Picramic Acid	4.00	2.8477	71	47-110

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

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

ORDNANCE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.
B092107HSVWLO

Lab Name: Laucks Testing Labs Contract: N/A

Lab Sample ID: B092107HSVWLO SDG No.: CAB36

Matrix: (SOIL/WATER) Water Date Prepared: 09/21/2007

Lab File ID (1): F92507.b-F9250703.D Lab File ID (2): _____

Date Analyzed (1): 09/25/2007 Date Analyzed (2): _____

Time Analyzed (1): 12:31 Time Analyzed (2): _____

Instrument ID (1): HPLC3 (Felix) Instrument ID (2): _____

Column(1): Supelcosil LC-CN ID: 4.60 (mm) Column(2): _____ ID: _____ (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC SAMPLES:

CLIENT SAMPLE NO.	LAB SAMPLE ID	COL	LAB FILE ID	DATE/TIME ANALYZED	RUN SEQUENCE
16LCMW01SW	CAB36-001	1	F9250705.D	09/25/2007 12:55	R021941
16LCMW435W	CAB36-002	1	F9250706.D	09/25/2007 13:07	R021941
16LCMW01DW	CAB36-004	1	F9250707.D	09/25/2007 13:19	R021941
16LCMW02SW	CAB36-005	1	F9250708.D	09/25/2007 13:31	R021941
16LCMW02DW	CAB36-006	1	F9250709.D	09/25/2007 13:43	R021941
S092107HSVWLO	S092107HSVWLO	1	F9250704.D	09/25/2007 12:43	R021941

COMMENTS: _____

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW01SW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R021941

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-001

Sample wt/vol: 1060.0 (g/mL) mL

Lab File ID: F9250705.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/17/2007

Extraction: (Type) SEPF

Date Extracted: 09/21/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 09/25/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-89-1	Picric Acid	1.0	U
96-91-3	Picramic Acid	1.0	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW435W

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R021941

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-002

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: F9250706.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/17/2007

Extraction: (Type) SEPF

Date Extracted: 09/21/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 09/25/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-89-1	Picric Acid	1.0	U
96-91-3	Picramic Acid	1.0	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW01DW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R021941

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-004

Sample wt/vol: 1060.0 (g/mL) mL

Lab File ID: F9250707.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/17/2007

Extraction: (Type) SEPF

Date Extracted: 09/21/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 09/25/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-89-1	Picric Acid	1.0	U
96-91-3	Picramic Acid	1.0	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW02SW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R021941

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-005

Sample wt/vol: 1060.0 (g/mL) mL

Lab File ID: F9250708.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/17/2007

Extraction: (Type) SEPF

Date Extracted: 09/21/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 09/25/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-89-1	Picric Acid	1.0	U
96-91-3	Picramic Acid	1.0	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW02DW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R021941

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-006

Sample wt/vol: 1060.0 (g/mL) mL

Lab File ID: F9250709.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/17/2007

Extraction: (Type) SEPF

Date Extracted: 09/21/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 09/25/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-89-1	Picric Acid	1.0	U
96-91-3	Picramic Acid	1.0	U

Comments:

SUM - 117

Laucks Testing Labs
Initial Calibration Linearity Summary

Start Cal Date: 17-JUL-2007 14:55
End Cal Date : 17-JUL-2007 15:44
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\felix\Felix.i\F71707.b\F71707PICCN.m
Sublist : all.sub
Column : CN
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/felix/Felix.i/F71707B.b/F7170711.D
Level 2: //ceres/labdata/hplc/felix/Felix.i/F71707B.b/F7170712.D
Level 3: //ceres/labdata/hplc/felix/Felix.i/F71707B.b/F7170713.D
Level 4: //ceres/labdata/hplc/felix/Felix.i/F71707B.b/F7170714.D
Level 5: //ceres/labdata/hplc/felix/Felix.i/F71707B.b/F7170715.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave CF	%RSD
1 Picramic Acid	353.4140	344.7840	346.9592	344.6130	338.7560	345.7052	1.5
2 Picric Acid	70.44000	68.37800	72.53480	75.06050	77.69160	72.82098	5.1
3 4,6-Dinitro-o-Cresol	303.8020	297.0350	301.0240	303.2348	300.6800	301.1552	0.9
Average RSD :							2.5

Amount = Response divided by CF

CF - Calibration Factor (response divided by concentration).
RSD - Relative Standard Deviation.

SUM - 118

Laucks Testing Labs
Initial Calibration Retention Time Summary

Start Cal Date: 17-JUL-2007 14:55
End Cal Date : 17-JUL-2007 15:44
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\felix\Felix.i\F71707.b\F71707PICCN.m
Sublist : all.sub
Column : CN
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/felix/Felix.i/F71707B.b/F7170711.D
Level 2: //ceres/labdata/hplc/felix/Felix.i/F71707B.b/F7170712.D
Level 3: //ceres/labdata/hplc/felix/Felix.i/F71707B.b/F7170713.D
Level 4: //ceres/labdata/hplc/felix/Felix.i/F71707B.b/F7170714.D
Level 5: //ceres/labdata/hplc/felix/Felix.i/F71707B.b/F7170715.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave RT
1 Picramic Acid	3.65	3.65	3.64	3.64	3.63	3.642
2 Picric Acid	3.22	3.21	3.18	3.17	3.16	3.190
3 4,6-Dinitro-o-Cresol	5.96	5.90	5.78	5.72	5.70	5.814

Retention times are expressed as minutes.

SUM - 119

Laucks Testing Labs
Initial Calibration Amounts Summary

Start Cal Date: 17-JUL-2007 14:55
End Cal Date : 17-JUL-2007 15:44
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\felix\Felix.i\F71707.b\F71707PICCN.m
Sublist : all.sub
Column : CN
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/felix/Felix.i/F71707B.b/F7170711.D
Level 2: //ceres/labdata/hplc/felix/Felix.i/F71707B.b/F7170712.D
Level 3: //ceres/labdata/hplc/felix/Felix.i/F71707B.b/F7170713.D
Level 4: //ceres/labdata/hplc/felix/Felix.i/F71707B.b/F7170714.D
Level 5: //ceres/labdata/hplc/felix/Felix.i/F71707B.b/F7170715.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
1 Picramic Acid	500.00	1000.00	2500.00	4000.00	5000.00
2 Picric Acid	500.00	1000.00	2500.00	4000.00	5000.00
3 4,6-Dinitro-o-Cresol	500.00	1000.00	2500.00	4000.00	5000.00

Standard concentrations are expressed as ng/mL.

SUM - 120

Laucks Testing Labs
Initial Calibration Response Summary

Start Cal Date: 17-JUL-2007 14:55
End Cal Date : 17-JUL-2007 15:44
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\felix\Felix.i\F71707.b\F71707PICCN.m
Sublist : all.sub
Column : CN
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/felix/Felix.i/F71707B.b/F7170711.D
Level 2: //ceres/labdata/hplc/felix/Felix.i/F71707B.b/F7170712.D
Level 3: //ceres/labdata/hplc/felix/Felix.i/F71707B.b/F7170713.D
Level 4: //ceres/labdata/hplc/felix/Felix.i/F71707B.b/F7170714.D
Level 5: //ceres/labdata/hplc/felix/Felix.i/F71707B.b/F7170715.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
1 Picramic Acid	176707.00	344784.00	867398.00	1378452.0	1693780.0
2 Picric Acid	35220.000	68378.000	181337.00	300242.00	388458.00
3 4,6-Dinitro-o-Cresol	151901.00	297035.00	752560.00	1212939.0	1503400.0

Response is in Area units.

Laucks Testing Labs
Initial Calibration Verification Summary

Data File	: //ceres/labdata/hplc/felix/Felix.i/F92507.b/F9250702.D		
Injection Date	: 25-SEP-2007 12:08		
Sample Info	: STD03 2500PPB METHOD8303		
Misc. Info	: ICV		
Laboratory ID	: STD03 2500PPB	Client ID	: HPLC1-16-17 4X
Instrument ID	: Felix.i	Operator	: MY
Method	: F71707PICCN.m	Sublist	: all
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type:	CCALIB_3
Column	: CN	Column Size:	0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	ICV CF	%D	Flag
Picric Acid	2.34 #	1.44 - 3.24	72.82098	70.50720	3.2	
Picramic Acid	3.02 #	2.77 - 3.27	345.7052	281.6856	18.5	
4,6-Dinitro-o-Cresol	4.85 #	3.89 - 5.81	301.1552	287.6392	4.5	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - ICV CF) divided by Ave CF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/felix/Felix.i/F92507.b/F9250710.D		
Injection Date	: 25-SEP-2007 13:55		
Sample Info	: STD03 2500PPB METHOD8303		
Misc. Info	: SOP#:LTL-8303		
Laboratory ID	: STD03 2500PPB	Client ID	: HPLC1-16-17 4X
Instrument ID	: Felix.i	Operator	: MY
Method	: F71707PICCN.m	Sublist	: all
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type:	CCALIB_3
Column	: CN	Column Size:	0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
Picric Acid	2.33	1.44 - 3.24	72.82098	91.88280	-26.2	*
Picramic Acid	3.01	2.77 - 3.27	345.7052	285.2336	17.5	
4,6-Dinitro-o-Cresol	4.90	3.89 - 5.81	301.1552	293.8804	2.4	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B092107HSVWLO

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R021941

Matrix: (SOIL/WATER) Water

Lab Sample ID: B092107HSVWLO

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: F9250703.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SEPF

Date Extracted: 09/21/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 09/25/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-89-1	Picric Acid	1.1	U
96-91-3	Picramic Acid	1.1	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S092107HSVWLO

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R021941

Matrix: (SOIL/WATER) Water

Lab Sample ID: S092107HSVWLO

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: F9250704.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SEPF

Date Extracted: 09/21/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 09/25/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-89-1	Picric Acid	2.9	
96-91-3	Picramic Acid	2.8	

Comments:

FORMS SUMMARY

SDG # CAB36

NWTPH-Gx

2

WATER GASOLINE SURROGATE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

SDG No.: CAB36 Run Sequence: R022206

(LAB SAMPLE ID) CLIENT SAMPLE NUMBER	S1 (BFB) #	S2 (TFT) #	S3 () #	S4 () #	TOT OUT
(CAB36-005) 16LCMW02SW	79	84			0
(S092607GVOWI1) S092607GVOWI1	83	87			0
(B092607GVOWI1) B092607GVOWI1	82	86			0
(CAB36-006) 16LCMW02DW	80	87			0
(CAB36-004) 16LCMW01DW	80	85			0
(CAB36-002) 16LCMW435W	81	87			0
(CAB36-001) 16LCMW01SW	81	87			0
(S092507GVOWI1) S092507GVOWI1	83	87			0
(B092507GVOWI1) B092507GVOWI1	82	88			0

		QC LIMITS
S1 (BFB) =	4-Bromofluorobenzene	50-150
S2 (TFT) =	Trifluorotoluene	50-150
S3 () =		
S4 () =		

Column to be used to flag recovery values
* Values outside of contract required QC limits

3B
WATER GASOLINE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R021922 SDG No.: CAB36

BS Lab Sample ID: S092507GVOWI1

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
Gasoline Range Organics	100	80.1725	80	71-122

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

Spike Recovery: 0 out of 1 outside limits

COMMENTS:

3B
WATER GASOLINE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R022206 SDG No.: CAB36

BS Lab Sample ID: S092607GVOWI1

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
Gasoline Range Organics	100	80.3969	80	71-122

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

Spike Recovery: 0 out of 1 outside limits

COMMENTS:

GASOLINE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.
B092507GVOWI1

Lab Name: Laucks Testing Labs Contract: N/A

Lab Sample ID: B092507GVOWI1 SDG No.: CAB36

Matrix: (SOIL/WATER) Water Date Prepared: 09/25/2007

Lab File ID (1): I9257-2N.b-I925704.d Lab File ID (2):

Date Analyzed (1): 09/25/2007 Date Analyzed (2):

Time Analyzed (1): 12:08 Time Analyzed (2):

Instrument ID (1): HP 5890I Instrument ID (2):

Column(1): DB-VRX 30m/0.45u ID: 0.45 (mm) Column(2): ID: (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC SAMPLES:

CLIENT SAMPLE NO.	LAB SAMPLE ID	COL	LAB FILE ID	DATE/TIME ANALYZED	RUN SEQUENCE
16LCMW01SW	CAB36-001	1	I925716.d	09/25/2007 19:49	R021922
16LCMW435W	CAB36-002	1	I925717.d	09/25/2007 20:28	R021922
16LCMW01DW	CAB36-004	1	I925718.d	09/25/2007 21:06	R021922
16LCMW02DW	CAB36-006	1	I925720.d	09/25/2007 22:23	R021922
S092507GVOWI1	S092507GVOWI1	1	I925705.d	09/25/2007 12:47	R021922

COMMENTS:

GASOLINE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.
B092607GVOWI1

Lab Name: Laucks Testing Labs Contract: N/A

Lab Sample ID: B092607GVOWI1 SDG No.: CAB36

Matrix: (SOIL/WATER) Water Date Prepared: 09/26/2007

Lab File ID (1): I9267-2N.b-I926704.d Lab File ID (2):

Date Analyzed (1): 09/26/2007 Date Analyzed (2):

Time Analyzed (1): 12:02 Time Analyzed (2):

Instrument ID (1): HP 5890I Instrument ID (2):

Column(1): DB-VRX 30m/0.45u ID: 0.45 (mm) Column(2): ID: (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC SAMPLES:

CLIENT SAMPLE NO.	LAB SAMPLE ID	COL	LAB FILE ID	DATE/TIME ANALYZED	RUN SEQUENCE
I6LCMW02SW	CAB36-005	1	I926727.d	09/27/2007 02:58	R022206
S092607GVOWI1	S092607GVOWI1	1	I926705.d	09/26/2007 12:40	R022206

COMMENTS:

1

GASOLINE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW01SW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R021922

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-001

Sample wt/vol: 10 (g/mL) mL

Lab File ID: I925716.d

pH: <2 Decanted: (Y/N) N

Date Collected: 09/17/2007

Percent Moisture:

Date Prepared: 09/25/2007

Extraction: (Type) PURGETRAP

Date Analyzed: 09/25/2007

Soil Extract Volume: (ul)

Dilution Factor: 1.00

Soil Aliquot Volume: (ul)

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
TPH-Gasoline	Gasoline Range Organics	25	U

Comments:

1

GASOLINE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW435W

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R021922

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-002

Sample wt/vol: 10 (g/mL) mL

Lab File ID: I925717.d

pH: <2 Decanted: (Y/N) N

Date Collected: 09/17/2007

Percent Moisture:

Date Prepared: 09/25/2007

Extraction: (Type) PURGETRAP

Date Analyzed: 09/25/2007

Soil Extract Volume: (ul)

Dilution Factor: 1.00

Soil Aliquot Volume: (ul)

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
TPH-Gasoline	Gasoline Range Organics	25	U

Comments:

1

GASOLINE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW01DW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R021922

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-004

Sample wt/vol: 10 (g/mL) mL

Lab File ID: I925718.d

pH: <2 Decanted: (Y/N) N

Date Collected: 09/17/2007

Percent Moisture:

Date Prepared: 09/25/2007

Extraction: (Type) PURGETRAP

Date Analyzed: 09/25/2007

Soil Extract Volume: (ul)

Dilution Factor: 1.00

Soil Aliquot Volume: (ul)

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
TPH-Gasoline	Gasoline Range Organics	25	U

Comments:

1

GASOLINE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW02SW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R022206

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-005

Sample wt/vol: 10 (g/mL) mL

Lab File ID: I926727.d

pH: <2 Decanted: (Y/N) N

Date Collected: 09/17/2007

Percent Moisture:

Date Prepared: 09/26/2007

Extraction: (Type) PURGETRAP

Date Analyzed: 09/27/2007

Soil Extract Volume: (ul)

Dilution Factor: 1.00

Soil Aliquot Volume: (ul)

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
TPH-Gasoline	Gasoline Range Organics	25	U

Comments:

1

GASOLINE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW02DW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R021922

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-006

Sample wt/vol: 10 (g/mL) mL

Lab File ID: I925720.d

pH: <2 Decanted: (Y/N) N

Date Collected: 09/17/2007

Percent Moisture:

Date Prepared: 09/25/2007

Extraction: (Type) PURGETRAP

Date Analyzed: 09/25/2007

Soil Extract Volume: (ul)

Dilution Factor: 1.00

Soil Aliquot Volume: (ul)

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
TPH-Gasoline	Gasoline Range Organics	25	U

Comments:

SUM - 136

Laucks Testing Labs
Initial Calibration Linearity Summary

Start Cal Date: 31-JUL-2007 10:05
End Cal Date : 31-JUL-2007 13:17
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : Falcon
Method File : \\Diana\Target\5890i.i\I7317N2.b\GN73101.m
Sublist : all-j.sub
Column : DB-VRX
Column Size : 30m L - 0.53mm ID

Calibration Files:
Level 1: //Diana/Target/5890i.i/I7317N2.b/I731703.d
Level 2: //Diana/Target/5890i.i/I7317N2.b/I731704.d
Level 3: //Diana/Target/5890i.i/I7317N2.b/I731705.d
Level 4: //Diana/Target/5890i.i/I7317N2.b/I731706.d
Level 5: //Diana/Target/5890i.i/I7317N2.b/I731707.d
Level 6: //Diana/Target/5890i.i/I7317N2.b/I731708.d

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Ave CF	%RSD
3 Gasoline	+++++++	419.5240	377.8620	358.0300	350.1500	347.2772	370.5686	8.1
1 Trifluorotoluene	+++++++	533.4600	509.0500	507.0600	496.0733	498.7425	508.8772	2.9
2 Bromofluorobenzene	+++++++	406.9000	377.4300	375.5300	377.7733	388.8450	385.2957	3.4
Average RSD :								4.8

Amount = Response divided by CF

+++ - Standard Level not used in linearity determination.

CF - Calibration Factor (response divided by concentration).
RSD - Relative Standard Deviation.

Laucks Testing Labs
Initial Calibration Amounts Summary

Start Cal Date: 31-JUL-2007 10:05
End Cal Date : 31-JUL-2007 13:17
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : Falcon
Method File : \\Diana\Target\5890i.i\I7317N2.b\GN73101.m
Sublist : all-j.sub
Column : DB-VRX
Column Size : 30m L - 0.53mm ID

Calibration Files:
Level 1: //Diana/Target/5890i.i/I7317N2.b/I731703.d
Level 2: //Diana/Target/5890i.i/I7317N2.b/I731704.d
Level 3: //Diana/Target/5890i.i/I7317N2.b/I731705.d
Level 4: //Diana/Target/5890i.i/I7317N2.b/I731706.d
Level 5: //Diana/Target/5890i.i/I7317N2.b/I731707.d
Level 6: //Diana/Target/5890i.i/I7317N2.b/I731708.d

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
3 Gasoline	+++++++	250.00	500.00	1000.00	2500.00	5000.00
1 Trifluorotoluene	+++++++	50.00	100.00	200.00	300.00	400.00
2 Bromofluorobenzene	+++++++	50.00	100.00	200.00	300.00	400.00

+++ - Standard Level not used in linearity determination.
Standard concentrations are expressed as ng.

Laboratory Name
Continuing Calibration Verification Summary

Data File	: //diana/target/5890i.i/I7317N2.b/I731712.d		
Injection Date	: 31-JUL-2007 15:51		
Sample Info	: ICV-1 500ng 2nd Source		
Misc. Info	: NWTPHGx		
Laboratory ID	: ICV-1 500ng	Client ID	: 5ul VOA5-42-15
Instrument ID	: 5890I.i		
Method	: GN73101.m	Sublist	: all-j
Quantitation	: ESTD	Integrator	: Falcon
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: DB-VRX	Column Size	: 30.00m L- 0.53mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
Trifluorotoluene	6.58	6.53 - 6.63	508.8772	499.6750	-1.8	
Bromofluorobenzene	12.07	12.02 - 12.12	385.2957	361.8850	-6.1	
Gasoline		8.07 - 18.54	370.5686	387.8120	4.7	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laboratory Name
Continuing Calibration Verification Summary

Data File : //diana/target/5890i.i/I7317N2.b/I731713.d
Injection Date : 31-JUL-2007 16:30
Sample Info : ICV-2 2500ng 2nd Source
Misc. Info : NWTPHGx
Laboratory ID : ICV-2 2500ng
Client ID : 25ul VOA5-42-15
Instrument ID : 5890I.i
Method : GN73101.m
Sublist : all-j
Quantitation : ESTD
Integrator : Falcon
Dilution Factor : 1.00
Sample Type: CCALIB_3
Column : DB-VRX
Column Size: 30.00m L- 0.53mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
Trifluorotoluene	6.58	6.53 - 6.63	508.8772	504.7800	-0.8	
Bromofluorobenzene	12.06	12.02 - 12.12	385.2957	393.4100	2.1	
Gasoline		8.07 - 18.54	370.5686	346.6040	-6.5	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laboratory Name
Initial Calibration Verification Summary

Data File	: //diana/target/5890i.i/I9257-2N.b/I925702.d		
Injection Date	: 25-SEP-2007 10:51		
Sample Info	: CCV_A_GAS		
Misc. Info	: ICV_NWTPHGx		
Laboratory ID	: CCV_A_GAS	Client ID	: 10ul VOA5-43-11
Instrument ID	: 5890I.i		
Method	: GN73106.m	Sublist	: all-j
Quantitation	: ESTD	Integrator	: Falcon
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: DB-VRX	Column Size	: 30.00m L- 0.53mm ID

Compound	RT	RT Window	Average CF	ICV CF	%D	Flag
Trifluorotoluene	6.65 #	6.60 - 6.70	508.8772	427.7350	-15.9	
Bromofluorobenzene	12.10 #	12.05 - 12.15	385.2957	311.3650	-19.2	
Gasoline		8.12 - 18.57	370.5686	342.6390	-7.5	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - ICV CF) divided by Ave CF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laboratory Name
Continuing Calibration Verification Summary

Data File : //diana/target/5890i.i/I9257-2N.b/I925713.d
Injection Date : 25-SEP-2007 17:54
Sample Info : CCV_B_GAS
Misc. Info : NWTPHGx
Laboratory ID : CCV_B_GAS
Client ID : 10ul VOA5-43-11
Instrument ID : 5890I.i
Method : GN73106.m
Sublist : all-j
Quantitation : ESTD
Integrator : Falcon
Dilution Factor : 1.00
Sample Type: CCALIB_3
Column : DB-VRX
Column Size: 30.00m L- 0.53mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
Trifluorotoluene	6.66	6.60 - 6.70	508.8772	429.8150	-15.5	
Bromofluorobenzene	12.11	12.05 - 12.15	385.2957	317.9100	-17.5	
Gasoline		8.12 - 18.57	370.5686	338.9730	-8.5	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laboratory Name
Continuing Calibration Verification Summary

Data File : //diana/target/5890i.i/I9257-2N.b/I925724.d
Injection Date : 26-SEP-2007 00:57
Sample Info : CCV_C_GAS
Misc. Info : NWTPHGx
Laboratory ID : CCV_C_GAS
Client ID : 10ul VOA5-43-11
Instrument ID : 5890I.i
Method : GN73106.m
Sublist : all-j
Quantitation : ESTD
Integrator : Falcon
Dilution Factor : 1.00
Sample Type: CCALIB_3
Column : DB-VRX
Column Size: 30.00m L- 0.53mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
Trifluorotoluene	6.66	6.60 - 6.70	508.8772	423.7650	-16.7	
Bromofluorobenzene	12.11	12.05 - 12.15	385.2957	312.6150	-18.9	
Gasoline		8.12 - 18.57	370.5686	342.6330	-7.5	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laboratory Name
Initial Calibration Verification Summary

Data File : //diana/target/5890i.i/I9267-2N.b/I926702.d
Injection Date : 26-SEP-2007 10:45
Sample Info : CCV_A_GAS
Misc. Info : ICV_NWTPHGx
Laboratory ID : CCV_A_GAS
Client ID : 10ul VOA5-43-15
Instrument ID : 5890I.i
Method : GN73107.m
Sublist : all-j
Quantitation : ESTD
Integrator : Falcon
Dilution Factor : 1.00
Sample Type: CCALIB_3
Column : DB-VRX
Column Size: 30.00m L- 0.53mm ID

Compound	RT	RT Window	Average CF	ICV CF	%D	Flag
Trifluorotoluene	6.67 #	6.62 - 6.72	508.8772	446.9600	-12.2	
Bromofluorobenzene	12.11 #	12.06 - 12.16	385.2957	327.1300	-15.1	
Gasoline		8.13 - 18.58	370.5686	371.4100	0.2	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - ICV CF) divided by Ave CF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laboratory Name
Continuing Calibration Verification Summary

Data File	: //diana/target/5890i.i/I9267-2N.b/I926713.d		
Injection Date	: 26-SEP-2007 18:00		
Sample Info	: CCV_B_GAS		
Misc. Info	: NWTPHGx		
Laboratory ID	: CCV_B_GAS	Client ID	: 10ul VOA5-43-15
Instrument ID	: 5890I.i		
Method	: GN73107.m	Sublist	: all-j
Quantitation	: ESTD	Integrator	: Falcon
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: DB-VRX	Column Size	: 30.00m L- 0.53mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
Trifluorotoluene	6.66	6.62 - 6.72	508.8772	438.2850	-13.9	
Bromofluorobenzene	12.11	12.06 - 12.16	385.2957	318.4450	-17.4	
Gasoline		8.13 - 18.58	370.5686	375.9850	1.5	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laboratory Name
Continuing Calibration Verification Summary

Data File : //diana/target/5890i.i/I9267-2N.b/I926724.d
Injection Date : 27-SEP-2007 01:03
Sample Info : CCV_C_GAS
Misc. Info : NWTPHGx
Laboratory ID : CCV_C_GAS
Client ID : 10ul VOA5-43-15
Instrument ID : 5890I.i
Method : GN73107.m
Sublist : all-j
Quantitation : ESTD
Integrator : Falcon
Dilution Factor : 1.00
Sample Type: CCALIB_3
Column : DB-VRX
Column Size: 30.00m L- 0.53mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
Trifluorotoluene	6.65	6.62 - 6.72	508.8772	416.5700	-18.1	
Bromofluorobenzene	12.10	12.06 - 12.16	385.2957	311.0000	-19.3	
Gasoline		8.13 - 18.58	370.5686	352.3910	-4.9	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laboratory Name
Continuing Calibration Verification Summary

Data File	: //diana/target/5890i.i/I9267-2N.b/I926735.d		
Injection Date	: 27-SEP-2007 08:06		
Sample Info	: CCV_D_GAS		
Misc. Info	: NWTPHGx		
Laboratory ID	: CCV_D_GAS	Client ID	: 10ul VOA5-43-15
Instrument ID	: 5890I.i		
Method	: GN73107.m	Sublist	: all-j
Quantitation	: ESTD	Integrator	: Falcon
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: DB-VRX	Column Size	: 30.00m L- 0.53mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
Trifluorotoluene	6.66	6.62 - 6.72	508.8772	427.6050	-16.0	
Bromofluorobenzene	12.11	12.06 - 12.16	385.2957	316.0850	-18.0	
Gasoline		8.13 - 18.58	370.5686	369.3360	-0.3	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

1

GASOLINE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B092507GVOWI1

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R021922

Matrix: (SOIL/WATER) Water

Lab Sample ID: B092507GVOWI1

Sample wt/vol: 10 (g/mL) mL

Lab File ID: I925704.d

pH: _____ Decanted: (Y/N) N

Date Collected: _____

Percent Moisture: _____

Date Prepared: 09/25/2007

Extraction: (Type) PURGETRAP

Date Analyzed: 09/25/2007

Soil Extract Volume: _____ (ul)

Dilution Factor: 1.00

Soil Aliquot Volume: _____ (ul)

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
TPH-Gasoline	Gasoline Range Organics	25	U

Comments:

1

GASOLINE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B092607GVOWI1

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R022206

Matrix: (SOIL/WATER) Water

Lab Sample ID: B092607GVOWI1

Sample wt/vol: 10 (g/mL) mL

Lab File ID: I926704.d

pH: _____ Decanted: (Y/N) N

Date Collected: _____

Percent Moisture: _____

Date Prepared: 09/26/2007

Extraction: (Type) PURGETRAP

Date Analyzed: 09/26/2007

Soil Extract Volume: _____ (ul)

Dilution Factor: 1.00

Soil Aliquot Volume: _____ (ul)

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
TPH-Gasoline	Gasoline Range Organics	25	U

Comments:

1

GASOLINE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S092507GVOWI1

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R021922

Matrix: (SOIL/WATER) Water

Lab Sample ID: S092507GVOWI1

Sample wt/vol: 10 (g/mL) mL

Lab File ID: I925705.d

pH: _____ Decanted: (Y/N) N

Date Collected: _____

Percent Moisture: _____

Date Prepared: 09/25/2007

Extraction: (Type) PURGETRAP

Date Analyzed: 09/25/2007

Soil Extract Volume: _____ (ul)

Dilution Factor: 1.00

Soil Aliquot Volume: _____ (ul)

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
TPH-Gasoline	Gasoline Range Organics	80	

Comments:

1

GASOLINE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S092607GVOWI1

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R022206

Matrix: (SOIL/WATER) Water

Lab Sample ID: S092607GVOWI1

Sample wt/vol: 10 (g/mL) mL

Lab File ID: I926705.d

pH: _____ Decanted: (Y/N) N

Date Collected: _____

Percent Moisture: _____

Date Prepared: 09/26/2007

Extraction: (Type) PURGETRAP

Date Analyzed: 09/26/2007

Soil Extract Volume: _____ (ul)

Dilution Factor: 1.00

Soil Aliquot Volume: _____ (ul)

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
TPH-Gasoline	Gasoline Range Organics	80	

Comments:

NWTPHD
FORMS PACKAGE

SDG : CAB36

2

WATER DIESEL SURROGATE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

SDG No.: CAB36 Run Sequence: R022907

(LAB SAMPLE ID) CLIENT SAMPLE NUMBER	S1 (2FB) #	S2 (TER) #	S3 () #	S4 () #	TOT OUT
(CAB36-006) 16LCMW02DW	69	89			0
(CAB36-005) 16LCMW02SW	66	92			0
(CAB36-004) 16LCMW01DW	71	87			0
(CAB36-002) 16LCMW435W	71	95			0
(CAB36-001) 16LCMW01SW	66	91			0
(S092007GSVWLO) S092007GSVWLO	80	95			0
(B092007GSVWLO) B092007GSVWLO	71	96			0

		QC LIMITS
S1 (2FB) =	2-Fluorobiphenyl	50-150
S2 (TER) =	o-Terphenyl	50-150
S3 () =		
S4 () =		

Column to be used to flag recovery values
* Values outside of contract required QC limits

3B
WATER DIESEL BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R022907 SDG No.: CAB36

BS Lab Sample ID: S092007GSVWLO

Level: N/A Units: mg/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
Diesel Range Organics	1.25	1.3432	107	51-147

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

Spike Recovery: 0 out of 1 outside limits

COMMENTS:

DIESEL METHOD BLANK SUMMARY

CLIENT SAMPLE NO.
B092007GSVWLO

Lab Name: Laucks Testing Labs Contract: N/A

Lab Sample ID: B092007GSVWLO SDG No.: CAB36

Matrix: (SOIL/WATER) Water Date Prepared: 09/20/2007

Lab File ID (1): CA277WA.b-CA270717.d Lab File ID (2): _____

Date Analyzed (1): 10/27/2007 Date Analyzed (2): _____

Time Analyzed (1): 23:27 Time Analyzed (2): _____

Instrument ID (1): HP 5890C Instrument ID (2): _____

Column(1): RTX-5 ID: 0.25 (mm) Column(2): _____ ID: _____(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC SAMPLES:

CLIENT SAMPLE NO.	LAB SAMPLE ID	COL	LAB FILE ID	DATE/TIME ANALYZED	RUN SEQUENCE
16LCMW01SW	CAB36-001	1	CA270719.d	10/28/2007 01:02	R022907
16LCMW435W	CAB36-002	1	CA270720.d	10/28/2007 01:50	R022907
16LCMW01DW	CAB36-004	1	CA270721.d	10/28/2007 02:37	R022907
16LCMW02SW	CAB36-005	1	CA270722.d	10/28/2007 03:25	R022907
16LCMW02DW	CAB36-006	1	CA270723.d	10/28/2007 04:12	R022907
S092007GSVWLO	S092007GSVWLO	1	CA270718.d	10/28/2007 00:15	R022907

COMMENTS: _____

1

DIESEL ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW435W

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R022907

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-002

Sample wt/vol: 490.0 (g/mL) mL

Lab File ID: CA270720.d

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/17/2007

Extraction: (Type) SEPF

Date Extracted: 09/20/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/28/2007

Injection Volume: 2.0 (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) mg/L	Q
TPH-Diesel	Diesel Range Organics	0.10	U
TPH-Oil	Oil Range Organics	0.41	U

Comments:

1

DIESEL ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW01DW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R022907

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-004

Sample wt/vol: 475.0 (g/mL) mL

Lab File ID: CA270721.d

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/17/2007

Extraction: (Type) SEPF

Date Extracted: 09/20/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/28/2007

Injection Volume: 2.0 (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) mg/L	Q
TPH-Diesel	Diesel Range Organics	0.11	U
TPH-Oil	Oil Range Organics	0.42	U

Comments:

1

DIESEL ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW02SW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R022907

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-005

Sample wt/vol: 490.0 (g/mL) mL

Lab File ID: CA270722.d

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/17/2007

Extraction: (Type) SEPF

Date Extracted: 09/20/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/28/2007

Injection Volume: 2.0 (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) mg/L	Q
TPH-Diesel	Diesel Range Organics	0.10	U
TPH-Oil	Oil Range Organics	0.41	U

Comments:

1

DIESEL ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW02DW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R022907

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-006

Sample wt/vol: 490.0 (g/mL) mL

Lab File ID: CA270723.d

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/17/2007

Extraction: (Type) SEPF

Date Extracted: 09/20/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/28/2007

Injection Volume: 2.0 (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) mg/L	Q
TPH-Diesel	Diesel Range Organics	0.10	U
TPH-Oil	Oil Range Organics	0.41	U

Comments:

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Laucks Testing Labs
Initial Calibration Linearity Summary

Start Cal Date: 18-SEP-2007 19:52
End Cal Date : 19-SEP-2007 00:37
Quant Method : ESTD
Cal Curve Type: Linear
Integrator : Falcon
Method File : \\diana\Target\5890c.i\C9187WA.b\CDX91801.m
Sublist : alld+.sub
Column : RTX-5
Column Size : 30m L - 0.25mm ID

Calibration Files:
Level 1: //diana/Target/5890c.i/C9187WA.b/C9180705.d
Level 2: //diana/Target/5890c.i/C9187WA.b/C9180706.d
Level 3: //diana/Target/5890c.i/C9187WA.b/C9180707.d
Level 4: //diana/Target/5890c.i/C9187WA.b/C9180708.d
Level 5: //diana/Target/5890c.i/C9187WA.b/C9180709.d
Level 6: //diana/Target/5890c.i/C9187WA.b/C9180710.d
Level 7: //diana/Target/5890c.i/C9187WA.b/C9180711.d/C9180711.dat

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Slope	Y-int	R^2
1 Diesel	340919.00	561105.00	953967.00	1789817.0	4035364.0	7702355.0	15461116	7612.30000	-25.991	0.99989
3 2-Fluorobiphenyl	13819.00	36627.00	76352.00	161839.00	392209.00	776456.00	1541266.0	7712.00000	-0.260	0.99994
4 o-Terphenyl	21991.00	51937.00	103552.00	212329.00	502897.00	976381.00	1977221.0	9837.70000	-0.568	0.99989
8 n-Octacosane	15972.00	39263.00	79930.00	168837.00	416583.00	824140.00	+++++++	8264.10000	0.013	0.99992

Average RSD :	1.0

Amount = (Response divided by Slope) plus Y-int

+++ - Standard Level not used in linearity determination.

Responses expressed are Area units.
R^2 = The correlation co-efficient.

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Laucks Testing Labs
Initial Calibration Amounts Summary

Start Cal Date: 18-SEP-2007 19:52
End Cal Date : 19-SEP-2007 00:37
Quant Method : ESTD
Cal Curve Type: Linear
Integrator : Falcon
Method File : \\diana\Target\5890c.i\C9187WA.b\CDX91801.m
Sublist : alld+.sub
Column : RTX-5
Column Size : 30m L - 0.25mm ID

Calibration Files:
Level 1: //diana/Target/5890c.i/C9187WA.b/C9180705.d
Level 2: //diana/Target/5890c.i/C9187WA.b/C9180706.d
Level 3: //diana/Target/5890c.i/C9187WA.b/C9180707.d
Level 4: //diana/Target/5890c.i/C9187WA.b/C9180708.d
Level 5: //diana/Target/5890c.i/C9187WA.b/C9180709.d
Level 6: //diana/Target/5890c.i/C9187WA.b/C9180710.d
Level 7: //diana/Target/5890c.i/C9187WA.b/C9180711.d/C9180711.dat

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7
1 Diesel	20.00	50.00	100.00	200.00	500.00	1000.00	2000.00
3 2-Fluorobiphenyl	2.00	5.00	10.00	20.00	50.00	100.00	200.00
4 o-Terphenyl	2.00	5.00	10.00	20.00	50.00	100.00	200.00
8 n-Octacosane	2.00	5.00	10.00	20.00	50.00	100.00	+++++++

+++ - Standard Level not used in linearity determination.
Standard concentrations are expressed as ug/ml.

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Laucks Testing Labs
Initial Calibration Linearity Summary

Start Cal Date: 19-SEP-2007 03:48
End Cal Date : 19-SEP-2007 08:33
Quant Method : ESTD
Cal Curve Type: Linear
Integrator : Falcon
Method File : \\diana\Target\5890c.i\C9187WA.b\CDX91801.m
Sublist : mo.sub
Column : RTX-5
Column Size : 30m L - 0.25mm ID

Calibration Files:
Level 1: //diana/Target/5890c.i/C9187WA.b/C9180715.d
Level 2: //diana/Target/5890c.i/C9187WA.b/C9180716.d
Level 3: //diana/Target/5890c.i/C9187WA.b/C9180717.d
Level 4: //diana/Target/5890c.i/C9187WA.b/C9180718.d
Level 5: //diana/Target/5890c.i/C9187WA.b/C9180719.d
Level 6: //diana/Target/5890c.i/C9187WA.b/C9180720.d
Level 7: //diana/Target/5890c.i/C9187WA.b/C9180721.d

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Slope	Y-int	R^2
2 Motor Oil	1908908.0	2774389.0	5572728.0	9786421.0	17245692	20377001	+++++++	7763.40000	-187.962	0.99716
Average RSD :			1.0							

Amount = (Response divided by Slope) plus Y-int

+++ - Standard Level not used in linearity determination.

Responses expressed are Area units.
R^2 = The correlation co-efficient.

Laucks Testing Labs
Initial Calibration Amounts Summary

Start Cal Date: 19-SEP-2007 03:48
End Cal Date : 19-SEP-2007 08:33
Quant Method : ESTD
Cal Curve Type: Linear
Integrator : Falcon
Method File : \\diana\Target\5890c.i\C9187WA.b\CDX91801.m
Sublist : mo.sub
Column : RTX-5
Column Size : 30m L - 0.25mm ID

Calibration Files:
Level 1: //diana/Target/5890c.i/C9187WA.b/C9180715.d
Level 2: //diana/Target/5890c.i/C9187WA.b/C9180716.d
Level 3: //diana/Target/5890c.i/C9187WA.b/C9180717.d
Level 4: //diana/Target/5890c.i/C9187WA.b/C9180718.d
Level 5: //diana/Target/5890c.i/C9187WA.b/C9180719.d
Level 6: //diana/Target/5890c.i/C9187WA.b/C9180720.d
Level 7: //diana/Target/5890c.i/C9187WA.b/C9180721.d

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7
2 Motor Oil	100.00	200.00	500.00	1000.00	2000.00	2500.00	+++++++

+++ - Standard Level not used in linearity determination.
Standard concentrations are expressed as ug/ml.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: \\diana\Target\5890c.i\C9187WA.b\C9180713.d		
Injection Date	: 19-SEP-2007 02:13		
Sample Info	: D400PPMICV		
Misc. Info	: NWTPHDx / 8015mod - Diesel		
Laboratory ID	: D400PPMICV	Client ID	: MA8-30-16
Instrument ID	: 5890c.i	Operator	: CMP
Method	: CDX91801.m	Sublist	: Donly
Quantitation	: ESTD	Integrator	: Falcon
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: RTX-5	Column Size	: 30.00m L- 0.25mm ID

Compound	RT	RT Window	Expected Amount	Continuing Amount	%D	Flag
Diesel		10.02 - 24.07	400.00	372.48	-6.9	

%Drift (%D) = Continuing Amount - Expected Amount divided by Expected Amount times 100

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: \\diana\Target\5890c.i\C9187WA.b\C9180723.d		
Injection Date	: 19-SEP-2007 10:08		
Sample Info	: O2500PPMICV		
Misc. Info	: NWTPHDx / 8015mod - Diesel		
Laboratory ID	: O2500PPMICV	Client ID	: MA8-32-15
Instrument ID	: 5890c.i	Operator	: CMP
Method	: CDX91801.m	Sublist	: mo
Quantitation	: ESTD	Integrator	: Falcon
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: RTX-5	Column Size	: 30.00m L- 0.25mm ID

Compound	RT	RT Window	Expected Amount	Continuing Amount	%D	Flag
Motor Oil		24.07 - 37.88	2500.0	2025.8	-19.0	

%Drift (%D) = Continuing Amount - Expected Amount divided by Expected Amount times 100

Laboratory Name
Continuing Calibration Verification Summary

Data File	: //Diana/Target/5890c.i/CA277WA.b/CA270714.d		
Injection Date	: 27-OCT-2007 21:05		
Sample Info	: D200PPM		
Misc. Info	: NWTPHDx / 8015mod - Diesel		
Laboratory ID	: D200PPM	Client ID	: MA8-34-01 10X
Instrument ID	: 5890C.i	Operator	: CMP
Method	: CDX91809.m	Sublist	: alld+
Quantitation	: ESTD	Integrator	: Falcon
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: RTX-5	Column Size	: 30.00m L- 0.25mm ID

Compound	RT	RT Window	Expected Amount	Continuing Amount	%D	Flag
2-Fluorobiphenyl	12.38	12.32 - 12.42	20.000	19.286	-3.6	
Diesel		9.69 - 23.68	200.00	194.97	-2.5	
o-Terphenyl	19.01	18.96 - 19.06	20.000	19.064	-4.7	
n-Octacosane	26.89	26.84 - 26.94	20.000	14.098	-29.5	* NTC

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%Drift (%D) = Continuing Amount - Expected Amount divided by Expected Amount times 100
** = Percent Difference is outside the acceptance limits of +/-15%

Laboratory Name
Continuing Calibration Verification Summary

Data File	: //Diana/Target/5890c.i/CA277WA.b/CA270725.d		
Injection Date	: 28-OCT-2007 05:47		
Sample Info	: D200PPM		
Misc. Info	: NWTPHDx / 8015mod - Diesel		
Laboratory ID	: D200PPM	Client ID	: MA8-34-01 10X
Instrument ID	: 5890C.i	Operator	: CMP
Method	: CDX91809.m	Sublist	: alld+
Quantitation	: ESTD	Integrator	: Falcon
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: RTX-5	Column Size	: 30.00m L- 0.25mm ID

Compound	RT	RT Window	Expected Amount	Continuing Amount	%D	Flag
2-Fluorobiphenyl	12.38	12.32 - 12.42	20.000	19.856	-0.7	
Diesel		9.69 - 23.68	200.00	199.03	-0.5	
o-Terphenyl	19.01	18.96 - 19.06	20.000	19.490	-2.5	
n-Octacosane	26.89	26.84 - 26.94	20.000	15.566	-22.2 *	

NTC

28Oct07

%Drift (%D) = Continuing Amount - Expected Amount divided by Expected Amount times 100
** = Percent Difference is outside the acceptance limits of +/-15%

Laboratory Name
Continuing Calibration Verification Summary

Data File	: //Diana/Target/5890c.i/CA277WA.b/CA270715.d		
Injection Date	: 27-OCT-2007 21:52		
Sample Info	: O2000PPM		
Misc. Info	: NWTPHDx / 8015mod - Diesel		
Laboratory ID	: O2000PPM	Client ID	: MA8-33-16 25X
Instrument ID	: 5890C.i	Operator	: CMP
Method	: CDX91809.m	Sublist	: mo
Quantitation	: ESTD	Integrator	: Falcon
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: RTX-5	Column Size	: 30.00m L- 0.25mm ID

Compound	RT	RT Window	Expected Amount	Continuing Amount	%D	Flag
Motor Oil		23.68 - 36.88	2000.0	1707.3	-14.6	

%Drift (%D) = Continuing Amount - Expected Amount divided by Expected Amount times 100

Laboratory Name
Continuing Calibration Verification Summary

Data File	: //Diana/Target/5890c.i/CA277WA.b/CA270726.d		
Injection Date	: 28-OCT-2007 06:35		
Sample Info	: O2000PPM		
Misc. Info	: NWTPHDx / 8015mod - Diesel		
Laboratory ID	: O2000PPM	Client ID	: MA8-33-16 25X
Instrument ID	: 5890C.i	Operator	: CMP
Method	: CDX91809.m	Sublist	: mo
Quantitation	: ESTD	Integrator	: Falcon
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: RTX-5	Column Size	: 30.00m L- 0.25mm ID

Compound	RT	RT Window	Expected Amount	Continuing Amount	%D	Flag
Motor Oil		23.68 - 36.88	2000.0	1729.2	-13.5	

%Drift (%D) = Continuing Amount - Expected Amount divided by Expected Amount times 100

1

DIESEL ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B092007GSVWLO

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R022907

Matrix: (SOIL/WATER) Water

Lab Sample ID: B092007GSVWLO

Sample wt/vol: 400.0 (g/mL) mL

Lab File ID: CA270717.d

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SEPF

Date Extracted: 09/20/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/27/2007

Injection Volume: 2.0 (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) mg/L	Q
TPH-Diesel	Diesel Range Organics	0.13	U
TPH-Oil	Oil Range Organics	0.50	U

Comments:

1

DIESEL ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S092007GSVWLO

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R022907

Matrix: (SOIL/WATER) Water

Lab Sample ID: S092007GSVWLO

Sample wt/vol: 400.0 (g/mL) mL

Lab File ID: CA270718.d

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SEPF

Date Extracted: 09/20/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/28/2007

Injection Volume: 2.0 (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) mg/L	Q
TPH-Diesel	Diesel Range Organics	1.3	
TPH-Oil	Oil Range Organics	0.50	~UZ

Comments:

1

DIESEL ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW01SW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB36

Run Sequence: R022907

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB36-001

Sample wt/vol: 480.0 (g/mL) mL

Lab File ID: CA270719.d

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/17/2007

Extraction: (Type) SEPF

Date Extracted: 09/20/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/28/2007

Injection Volume: 2.0 (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) mg/L	Q
TPH-Diesel	Diesel Range Organics	0.10	U
TPH-Oil	Oil Range Organics	0.42	U

Comments:

FORMS SUMMARY

CAB36

Metals Data

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INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

16LCMW01SW

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36

Matrix (soil/water): Water Lab Sample ID: CAB36-001

Level (low/med): LOW Date Received: 09/18/2007

% Solids:

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-36-0	Antimony	0.293	J		M	R021858
7440-38-2	Arsenic	0.218	J		M	R021858
7440-41-7	Beryllium	0.215	U		M	R021889
7440-43-9	Cadmium	0.0940	U		M	R021858
7440-47-3	Chromium	0.600	U		M	R021889
7440-50-8	Copper	0.986	J		M	R021858
7439-92-1	Lead	0.0750	U		M	R021858
7439-97-6	Mercury	0.0395	J		CV	R022199
7440-02-0	Nickel	0.704	J		M	R021858
7782-49-2	Selenium	0.110	U		M	R021858
7440-22-4	Silver	0.0850	U		M	R021858
7440-28-0	Thallium	0.0440	U		M	R021858
7440-66-6	Zinc	1.80	U		M	R021858

Color Before: Colorless Clarity Before: Clear Texture:

Color After: Colorless Clarity After: Clear Artifacts: No

Comment

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INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

16LCMW435W

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36

Matrix (soil/water): Water Lab Sample ID: CAB36-002

Level (low/med): LOW Date Received: 09/18/2007

% Solids:

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-36-0	Antimony	0.0560	U		M	R021858
7440-38-2	Arsenic	0.232	J		M	R021858
7440-41-7	Beryllium	0.215	U		M	R021889
7440-43-9	Cadmium	0.0940	U		M	R021858
7440-47-3	Chromium	0.600	U		M	R021889
7440-50-8	Copper	1.08	J		M	R021858
7439-92-1	Lead	0.0750	U		M	R021858
7439-97-6	Mercury	0.0327	J		CV	R022199
7440-02-0	Nickel	0.913	J		M	R021858
7782-49-2	Selenium	0.122	J		M	R021858
7440-22-4	Silver	0.0850	U		M	R021858
7440-28-0	Thallium	0.0440	U		M	R021858
7440-66-6	Zinc	1.80	J		M	R021858

Color Before: Colorless Clarity Before: Clear Texture:

Color After: Colorless Clarity After: Clear Artifacts: No

Comment

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INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

16LCMW01DW

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36

Matrix (soil/water): Water Lab Sample ID: CAB36-004

Level (low/med): LOW Date Received: 09/18/2007

% Solids:

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-36-0	Antimony	0.0560	U		M	R021858
7440-38-2	Arsenic	0.340	J		M	R021858
7440-41-7	Beryllium	0.215	U		M	R021889
7440-43-9	Cadmium	0.0940	U		M	R021858
7440-47-3	Chromium	0.740	J		M	R021889
7440-50-8	Copper	0.520	U		M	R021858
7439-92-1	Lead	0.0750	U		M	R021858
7439-97-6	Mercury	0.0208	J		CV	R022199
7440-02-0	Nickel	1.24			M	R021858
7782-49-2	Selenium	0.110	U		M	R021858
7440-22-4	Silver	0.0850	U		M	R021858
7440-28-0	Thallium	0.0440	U		M	R021858
7440-66-6	Zinc	2.93	J		M	R021858

Color Before: Colorless Clarity Before: Clear Texture:

Color After: Colorless Clarity After: Clear Artifacts: No

Comment

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INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

16LCMW02SW

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36

Matrix (soil/water): Water Lab Sample ID: CAB36-005

Level (low/med): LOW Date Received: 09/18/2007

% Solids:

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-36-0	Antimony	0.0560	U		M	R021858
7440-38-2	Arsenic	0.356	J		M	R021858
7440-41-7	Beryllium	0.215	U		M	R021889
7440-43-9	Cadmium	0.0969	J		M	R021858
7440-47-3	Chromium	0.600	U		M	R021889
7440-50-8	Copper	0.848	J		M	R021858
7439-92-1	Lead	0.0750	U		M	R021858
7439-97-6	Mercury	0.0257	J		CV	R022199
7440-02-0	Nickel	1.12			M	R021858
7782-49-2	Selenium	0.110	U		M	R021858
7440-22-4	Silver	0.0850	U		M	R021858
7440-28-0	Thallium	0.0440	U		M	R021858
7440-66-6	Zinc	1.80	U		M	R021858

Color Before: Colorless Clarity Before: Clear Texture:

Color After: Colorless Clarity After: Clear Artifacts: No

Comment

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INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

16LCMW02DW

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36

Matrix (soil/water): Water Lab Sample ID: CAB36-006

Level (low/med): LOW Date Received: 09/18/2007

% Solids:

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-36-0	Antimony	0.0560	U		M	R021858
7440-38-2	Arsenic	0.450	J		M	R021858
7440-41-7	Beryllium	0.215	U		M	R021889
7440-43-9	Cadmium	0.0940	U		M	R021858
7440-47-3	Chromium	0.728	J		M	R021889
7440-50-8	Copper	0.875	J		M	R021858
7439-92-1	Lead	0.0750	U		M	R021858
7439-97-6	Mercury	0.0318	J		CV	R022199
7440-02-0	Nickel	1.53			M	R021858
7782-49-2	Selenium	0.110	U		M	R021858
7440-22-4	Silver	0.0850	U		M	R021858
7440-28-0	Thallium	0.0440	U		M	R021858
7440-66-6	Zinc	2.31	J		M	R021858

Color Before: Colorless Clarity Before: Clear Texture:

Color After: Colorless Clarity After: Clear Artifacts: No

Comment

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INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

16LCMW01SWF

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36

Matrix (soil/water): Water Lab Sample ID: CAB36-007

Level (low/med): LOW Date Received: 09/18/2007

% Solids:

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-36-0	Antimony	0.0856	J		M	R021858
7440-38-2	Arsenic	0.191	J		M	R021858
7440-41-7	Beryllium	0.215	U		M	R021889
7440-43-9	Cadmium	0.0940	U		M	R021858
7440-47-3	Chromium	0.600	U		M	R021889
7440-50-8	Copper	0.520	U		M	R021858
7439-92-1	Lead	0.0750	U		M	R021858
7439-97-6	Mercury	0.0304	J		CV	R022199
7440-02-0	Nickel	0.693	J		M	R021858
7782-49-2	Selenium	0.110	U		M	R021858
7440-22-4	Silver	0.0850	U		M	R021858
7440-28-0	Thallium	0.0440	U		M	R021858
7440-66-6	Zinc	1.96	J		M	R021858

Color Before: Colorless Clarity Before: Clear Texture:

Color After: Colorless Clarity After: Clear Artifacts: No

Comment

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INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

16LCMW435F

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36

Matrix (soil/water): Water Lab Sample ID: CAB36-008

Level (low/med): LOW Date Received: 09/18/2007

% Solids:

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-36-0	Antimony	0.125	J		M	R021858
7440-38-2	Arsenic	0.183	J		M	R021858
7440-41-7	Beryllium	0.0430	U		M	R021858
7440-43-9	Cadmium	0.0940	U		M	R021858
7440-47-3	Chromium	0.352	J		M	R021858
7440-50-8	Copper	0.677	J		M	R021858
7439-92-1	Lead	0.0750	U		M	R021858
7439-97-6	Mercury	0.0364	J		CV	R022199
7440-02-0	Nickel	0.656	J		M	R021858
7782-49-2	Selenium	0.125	J		M	R021858
7440-22-4	Silver	0.0850	U		M	R021858
7440-28-0	Thallium	0.0440	U		M	R021858
7440-66-6	Zinc	1.85	J		M	R021858

Color Before: Colorless Clarity Before: Clear Texture:

Color After: Colorless Clarity After: Clear Artifacts: No

Comment

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INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

16LCMW02SWF

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36

Matrix (soil/water): Water Lab Sample ID: CAB36-009

Level (low/med): LOW Date Received: 09/18/2007

% Solids:

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-36-0	Antimony	0.0560	U		M	R021858
7440-38-2	Arsenic	0.383	J		M	R021858
7440-41-7	Beryllium	0.215	U		M	R021889
7440-43-9	Cadmium	0.0940	U		M	R021858
7440-47-3	Chromium	0.600	U		M	R021889
7440-50-8	Copper	0.520	U		M	R021858
7439-92-1	Lead	0.0750	U		M	R021858
7439-97-6	Mercury	0.0257	J		CV	R022199
7440-02-0	Nickel	1.11			M	R021858
7782-49-2	Selenium	0.110	U		M	R021858
7440-22-4	Silver	0.0850	U		M	R021858
7440-28-0	Thallium	0.0440	U		M	R021858
7440-66-6	Zinc	2.34	J		M	R021858

Color Before: Colorless Clarity Before: Clear Texture:

Color After: Colorless Clarity After: Clear Artifacts: No

Comment

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INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

16LCMW01DWF

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36

Matrix (soil/water): Water Lab Sample ID: CAB36-010

Level (low/med): LOW Date Received: 09/18/2007

% Solids:

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-36-0	Antimony	0.0560	U		M	R021858
7440-38-2	Arsenic	0.270	J		M	R021858
7440-41-7	Beryllium	0.215	U		M	R021889
7440-43-9	Cadmium	0.0940	U		M	R021858
7440-47-3	Chromium	0.995	J		M	R021889
7440-50-8	Copper	0.520	U		M	R021858
7439-92-1	Lead	0.0865	J		M	R021858
7439-97-6	Mercury	0.0252	J		CV	R022199
7440-02-0	Nickel	1.25			M	R021858
7782-49-2	Selenium	0.110	U		M	R021858
7440-22-4	Silver	0.0850	U		M	R021858
7440-28-0	Thallium	0.0440	U		M	R021858
7440-66-6	Zinc	1.85	J		M	R021858

Color Before: Colorless Clarity Before: Clear Texture:

Color After: Colorless Clarity After: Clear Artifacts: No

Comment

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INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

16LCMW02DWF

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36

Matrix (soil/water): Water Lab Sample ID: CAB36-011

Level (low/med): LOW Date Received: 09/18/2007

% Solids:

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-36-0	Antimony	0.0560	U		M	R021858
7440-38-2	Arsenic	0.441	J		M	R021858
7440-41-7	Beryllium	0.0430	U		M	R021858
7440-43-9	Cadmium	0.0940	U		M	R021858
7440-47-3	Chromium	0.641	J		M	R021858
7440-50-8	Copper	0.983	J		M	R021858
7439-92-1	Lead	0.0750	U		M	R021858
7439-97-6	Mercury	0.0328	J		CV	R022199
7440-02-0	Nickel	1.47			M	R021858
7782-49-2	Selenium	0.110	U		M	R021858
7440-22-4	Silver	0.0850	U		M	R021858
7440-28-0	Thallium	0.0440	U		M	R021858
7440-66-6	Zinc	2.32	J		M	R021858

Color Before: Colorless Clarity Before: Clear Texture:

Color After: Colorless Clarity After: Clear Artifacts: No

Comment

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R021858

Initial Calibration Source: ME-15-161-12

Continuing Calbration Source: ME-15-165-20, ME-15-166-2

Concentration Units: ug/L

Analyte	Initial Calibration ICV				Continuing Calibrations CCV1				CCV2		M
	Limits	True	Found	%R(1)	Limits	True	Found	%R(1)	Found	%R(1)	
Antimony	90-110	60	57.743	96.2	90 - 110	50.000	49.340	98.7	48.826	97.7	M
Arsenic	90-110	60	58.967	98.3	90 - 110	50.000	51.242	102.5	49.589	99.2	M
Beryllium	90-110	60	59.301	98.8	90 - 110	50.000	53.508	107.0	54.320	108.6	M
Cadmium	90-110	60	59.944	99.9	90 - 110	50.000	52.120	104.2	51.757	103.5	M
Chromium	90-110	60	58.352	97.3	90 - 110	50.000	48.640	97.3	51.584	103.2	M
Copper	90-110	60	60.717	101.2	90 - 110	50.000	52.208	104.4	50.454	100.9	M
Lead	90-110	60	62.631	104.4	90 - 110	50.000	52.839	105.7	53.041	106.1	M
Nickel	90-110	60	62.435	104.1	90 - 110	50.000	53.113	106.2	52.485	105.0	M
Selenium	90-110	60	61.744	102.9	90 - 110	50.000	51.619	103.2	49.874	99.7	M
Silver	90-110	60	57.702	96.2	90 - 110	50.000	51.503	103.0	51.714	103.4	M
Thallium	90-110	60	62.738	104.6	90 - 110	50.000	52.861	105.7	50.922	101.8	M
Zinc	90-110	60	59.610	99.3	90 - 110	50.000	51.855	103.7	52.481	105.0	M

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R021858

Initial Calibration Source:

Continuing Calbration Source: ME-15-165-20, ME-15-166-2

Concentration Units: ug/L

Analyte	Initial Calibration				Continuing Calibrations						M
					CCV3				CCV4		
	Limits	True	Found	%R(1)	Limits	True	Found	%R(1)	Found	%R(1)	
Antimony					90 - 110	50.000	47.815	95.6	48.405	96.8	M
Arsenic					90 - 110	50.000	49.270	98.5	51.058	102.1	M
Beryllium					90 - 110	50.000	53.271	106.5	56.375	112.7	M
Cadmium					90 - 110	50.000	51.275	102.5	51.962	103.9	M
Chromium					90 - 110	50.000	51.921	103.8	50.481	101.0	M
Copper					90 - 110	50.000	51.666	103.3	53.545	107.1	M
Lead					90 - 110	50.000	52.575	105.1	54.339	108.7	M
Nickel					90 - 110	50.000	51.780	103.6	54.532	109.1	M
Selenium					90 - 110	50.000	49.916	99.8	51.518	103.0	M
Silver					90 - 110	50.000	51.427	102.9	52.931	105.9	M
Thallium					90 - 110	50.000	52.112	104.2	56.199	112.4	M
Zinc					90 - 110	50.000	50.929	101.9	52.097	104.2	M

SW-846

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R021858

Initial Calibration Source:

Continuing Calbration Source: ME-15-165-20, ME-15-166-2

Concentration Units: ug/L

Analyte	Initial Calibration				Continuing Calibrations						M
					CCV5				CCV6		
	Limits	True	Found	%R(1)	Limits	True	Found	%R(1)	Found	%R(1)	
Antimony					90 - 110	50.000	48.169	96.3	48.086	96.2	M
Arsenic					90 - 110	50.000	50.052	100.1	51.173	102.3	M
Beryllium					90 - 110	50.000	55.869	111.7	52.012	104.0	M
Cadmium					90 - 110	50.000	51.467	102.9	50.579	101.2	M
Chromium					90 - 110	50.000	53.892	107.8	53.166	106.3	M
Copper					90 - 110	50.000	53.689	107.4	53.549	107.1	M
Lead					90 - 110	50.000	55.278	110.6	54.068	108.1	M
Nickel					90 - 110	50.000	52.501	105.0	52.803	105.6	M
Selenium					90 - 110	50.000	50.876	101.8	51.636	103.3	M
Silver					90 - 110	50.000	52.847	105.7	52.585	105.2	M
Thallium					90 - 110	50.000	57.138	114.3	55.127	110.3	M
Zinc					90 - 110	50.000	51.668	103.3	52.255	104.5	M

SW-846

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R021858

Initial Calibration Source:

Continuing Calbration Source: ME-15-165-20, ME-15-166-2

Concentration Units: ug/L

Analyte	Initial Calibration				Continuing Calibrations CCV7						M
	Limits	True	Found	%R(1)	Limits	True	Found	%R(1)	Found	%R(1)	
Antimony					90 - 110	50.000	49.030	98.1			M
Arsenic					90 - 110	50.000	48.446	96.9			M
Beryllium					90 - 110	50.000	49.093	98.2			M
Cadmium					90 - 110	50.000	51.221	102.4			M
Chromium					90 - 110	50.000	50.281	100.6			M
Copper					90 - 110	50.000	50.665	101.3			M
Lead					90 - 110	50.000	52.678	105.4			M
Nickel					90 - 110	50.000	50.061	100.1			M
Selenium					90 - 110	50.000	48.558	97.1			M
Silver					90 - 110	50.000	52.813	105.6			M
Thallium					90 - 110	50.000	53.894	107.8			M
Zinc					90 - 110	50.000	49.782	99.6			M

SW-846

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R021889

Initial Calibration Source: ME-15-161-12

Continuing Calbration Source: ME-15-165-20, ME-15-166-2

Concentration Units: ug/L

Analyte	Initial Calibration ICV				Continuing Calibrations CCV1				CCV2		M
	Limits	True	Found	%R(1)	Limits	True	Found	%R(1)	Found	%R(1)	
Beryllium	90-110	60	56.914	94.9	90 - 110	50.000	48.165	96.3	50.196	100.4	M
Chromium	90-110	60	60.708	101.2	90 - 110	50.000	46.366	92.7	50.054	100.1	M

SW-846

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R021889

Initial Calibration Source:

Continuing Calbration Source: ME-15-165-20, ME-15-166-2

Concentration Units: ug/L

Analyte	Initial Calibration				Continuing Calibrations						M
					CCV3				CCV4		
	Limits	True	Found	%R(1)	Limits	True	Found	%R(1)	Found	%R(1)	
Beryllium					90 - 110	50.000	50.263	100.5	51.400	102.8	M
Chromium					90 - 110	50.000	49.572	99.1	50.620	101.2	M

SW-846

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R021889

Initial Calibration Source:

Continuing Calbration Source: ME-15-165-20, ME-15-166-2

Concentration Units: ug/L

Analyte	Initial Calibration				Continuing Calibrations						M
					CCV5				CCV6		
	Limits	True	Found	%R(1)	Limits	True	Found	%R(1)	Found	%R(1)	
Beryllium					90 - 110	50.000	52.521	105.0	53.096	106.2	M
Chromium					90 - 110	50.000	51.086	102.2	49.773	99.5	M

SW-846

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R022199

Initial Calibration Source: ME-15-162-6

Continuing Calbration Source: ME-15-165-3

Concentration Units: ug/L

Analyte	Initial Calibration ICV				Continuing Calibrations CCV1				CCV2		M
	Limits	True	Found	%R(1)	Limits	True	Found	%R(1)	Found	%R(1)	
Mercury	90-110	4.04	4.193	103.8	80 - 120	5.000	4.941	98.8	4.970	99.4	CV

2B-IN
CRDL STANDARD FOR METALS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R021858

ICP CRDL Standard Source: ME-15-166-1

Concentration Units: ug/L

Analyte	CRDL Standard for ICP					
	Initial CRI			Final		
	True	Found	%R	Found	%R	Limits
Antimony	1	0.96	96			
Arsenic	1	1.03	103.1			
Beryllium	1	1.12	112.2			
Cadmium	1	0.98	97.9			
Chromium	1	1.01	101			
Copper	2	2.12	106.2			
Lead	1	1.1	110.1			
Nickel	1	1.1	110.5			
Selenium	1	1.07	106.7			
Silver	1	1.04	104			
Thallium	1	1.08	107.7			
Zinc	10	10.16	101.6			

Control Limits: no limits have been established by EPA at this time

2B-IN
CRDL STANDARD FOR METALS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R021889

ICP CRDL Standard Source: ME-15-166-1

Concentration Units: ug/L

Analyte	CRDL Standard for ICP					
	Initial CRI			Final		
	True	Found	%R	Found	%R	Limits
Beryllium	1	1	99.8			
Chromium	1	1.08	108.4			

Control Limits: no limits have been established by EPA at this time

SW-846

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R021858

Concentration Units: ug/L

Analyte	Inital Calib. Blank ICB	C	Continuing Calibration Blank CCB1 1	C	CCB2 2	C	CCB3 3	C
Antimony	0.305	J	0.254	J	0.152	J	0.157	J
Arsenic	0.100	U	0.100	U	0.100	U	0.100	U
Beryllium	0.0430	U	0.0430	U	0.0430	U	0.0430	U
Cadmium	0.0940	U	0.0940	U	0.0940	U	0.0940	U
Chromium	0.120	U	0.120	U	0.120	U	0.120	U
Copper	0.520	U	0.520	U	0.520	U	0.520	U
Lead	0.0750	U	0.0750	U	0.0750	U	0.0750	U
Nickel	0.110	U	0.110	U	0.110	U	0.110	U
Selenium	0.110	U	0.110	U	0.110	U	0.110	U
Silver	0.0850	U	0.0850	U	0.0850	U	0.0850	U
Thallium	0.0937	J	0.0440	U	-0.0503	J	-0.0543	J
Zinc	1.80	U	1.80	U	1.80	U	1.80	U

SW-846

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R021858

Concentration Units: ug/L

Analyte	Inital Calib. Blank	C	Continuing Calibration Blank CCB4 1	C	CCB5 2	C	CCB6 3	C
Antimony			0.141	J	0.142	J	0.136	J
Arsenic			0.100	U	0.100	U	0.100	U
Beryllium			0.0430	U	0.0430	U	0.0430	U
Cadmium			0.0940	U	0.0940	U	0.0940	U
Chromium			0.120	U	0.120	U	0.120	U
Copper			0.520	U	0.520	U	0.520	U
Lead			0.0750	U	0.0750	U	0.0750	U
Nickel			0.110	U	0.110	U	0.110	U
Selenium			0.120	J	0.193	J	0.110	U
Silver			0.0850	U	0.0850	U	0.0850	U
Thallium			0.0440	U	0.0440	U	0.0440	U
Zinc			1.80	U	1.80	U	1.80	U

SW-846

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R021858

Concentration Units: ug/L

Analyte	Inital Calib. Blank	C	Continuing Calibration Blank CCB7 1	C	2	C	3	C
Antimony			0.155	J				
Arsenic			0.100	U				
Beryllium			0.0430	U				
Cadmium			0.0940	U				
Chromium			0.120	U				
Copper			0.520	U				
Lead			0.0750	U				
Nickel			0.110	U				
Selenium			0.110	U				
Silver			0.0850	U				
Thallium			-0.0456	J				
Zinc			1.80	U				

SW-846

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R021889

Concentration Units: ug/L

Analyte	Inital Calib. Blank ICB	C	Continuing Calibration Blank CCB1 1	C	CCB2 2	C	CCB3 3	C
Beryllium	0.0430	U	0.0430	U	0.0430	U	0.0430	U
Chromium	0.120	U	0.120	U	0.120	U	0.120	U

SW-846

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R021889

Concentration Units: ug/L

Analyte	Inital Calib. Blank	C	Continuing Calibration Blank CCB4 1	C	CCB5 2	C	CCB6 3	C
Beryllium			0.0430	U	0.0430	U	0.0430	U
Chromium			0.120	U	0.120	U	0.120	U

SW-846

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R022199

Concentration Units: ug/L

Analyte	Inital Calib. Blank		Continuing Calibration Blank							
	ICB	C	CCB1 1	C	CCB2 2	C	3	C		
Mercury	0.0338	J	0.0403	J	0.0437	J				

SW-846
3B
BLANKS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R021858

Lab Sample ID: B092107ICPMSW06 Prep Batch ID: P022723

Matrix (soil/water): Water Date Prepared: 09/21/2007

Concentration Units: ug/L

Analyte	Preparation Blank			
	Limits		C	M
Antimony	0.5	0.0560	U	M
Arsenic	0.5	0.100	U	M
Beryllium	0.5	0.0430	U	M
Cadmium	0.5	0.0940	U	M
Chromium	0.5	0.168	J	M
Copper	1	1.22	J	M
Lead	0.5	0.0750	U	M
Nickel	0.5	0.377	J	M
Selenium	0.5	0.110	U	M
Silver	0.5	0.0850	U	M
Thallium	0.5	-0.0560	J	M
Zinc	5	1.88	J	M

SW-846
3B
BLANKS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R022199

Lab Sample ID: B100507HGW01 Prep Batch ID: P023192

Matrix (soil/water): Water Date Prepared: 10/05/2007

Concentration Units: ug/L

Analyte	Preparation Blank Limits		C	M
Mercury	0.1	0.0267	J	CV

SW-846

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R021858

ICS Source: ME-15-153-19, ME-15-165-20, ME-15-166-2

ICP ID Number: ICPMS (PE ELAN 6100) Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R	Final Found Limits
Antimony	0	20.0	0.00339	18.8	94				
Arsenic	0	20.0	0.00415	19.9	99.4				
Beryllium	0	20.0	0.0000230	20.3	101.3				
Cadmium	0	20.0	0.00326	20.1	100.4				
Chromium	0	20.0	0.292	19.7	98.4				
Copper	0	20.0	24.8	19.9	99.7				
Lead	0	20.0	1.05	21.0	105.1				
Nickel	0	20.0	0.679	20.9	104.5				
Selenium	0	20.0	-0.0184	20.2	100.9				
Silver	0	20.0	0.00601	20.1	100.6				
Thallium	0	20.0	-0.0437	21.0	105.1				
Zinc	0	20.0	15.6	21.1	105.3				

Interference Check Sample Recover Limits: 80 - 120

SW-846

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R021889

ICS Source: ME-15-153-19, ME-15-165-20, ME-15-166-2

ICP ID Number: ICPMS (PE ELAN 6100) Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R	Final Found Limits
Beryllium	0	20.0	0.00233	20.0	100				
Chromium	0	20.0	0.271	20.9	104.5				

Interference Check Sample Recover Limits: 80 - 120

SW-846
5A
SPIKE SAMPLE RECOVERY

SAMPLE NO.
16LCMW01SWMS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R022199

Lab Sample ID: CAB36-001MS Prep Batch ID: P023192

Matrix (soil/water): Water Level (low/med): LOW

% Solids for Sample: Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	% R	Q	M
Mercury	85 - 115	4.5356		0.0395	J	5.00	89.9		CV

Comments:

SW-846

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

16LCMW01SWFMS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R021858

Lab Sample ID: CAB36-007MS Prep Batch ID: P022723

Matrix (soil/water): Water Level (low/med): LOW

% Solids for Sample: Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	% R	Q	M
Antimony	75 - 125	47.6234		0.0856	J	50.00	95.1		M
Arsenic	75 - 125	47.3853		0.1912	J	50.00	94.4		M
Cadmium	75 - 125	49.7362		0.0940	U	50.00	99.4		M
Copper	75 - 125	59.0252		0.5200	U	50.00	117.2		M
Lead	75 - 125	55.6675		0.0750	U	50.00	111.3		M
Nickel	75 - 125	55.9466		0.6935	J	50.00	110.5		M
Selenium	75 - 125	44.5800		0.1100	U	50.00	89.1		M
Silver	75 - 125	50.6844		0.0850	U	50.00	101.4		M
Thallium	75 - 125	59.1838		0.0440	U	50.00	118.4		M
Zinc	75 - 125	51.1052		1.9606	J	50.00	98.3		M

Comments:

SW-846

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

16LCMW01SWFMS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R021889

Lab Sample ID: CAB36-007MS Prep Batch ID: P022723

Matrix (soil/water): Water Level (low/med): LOW

% Solids for Sample: Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	% R	Q	M
Beryllium	75 - 125	49.0787		0.2150	U	50.00	98.1		M
Chromium	75 - 125	53.3625		0.6000	U	50.00	106.4		M

Comments:

SW-846

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

16LCMW01SWFMS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R022199

Lab Sample ID: CAB36-007MS Prep Batch ID: P023192

Matrix (soil/water): Water Level (low/med): LOW

% Solids for Sample: Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	% R	Q	M
Mercury	85 - 115	4.6709		0.0304	J	5.00	92.8		CV

Comments:

SW-846

5B

POST DIGEST SPIKE RECOVERY

SAMPLE NO.

16LCMW01SWFP

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R021858

Lab Sample ID: CAB36-007P Matrix (soil/water): Water

Level (low/med): LOW Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	% R	Q	M
Antimony		47.9787		0.0856	J	50.00	95.8		M
Arsenic		45.7412		0.1912	J	50.00	91.1		M
Cadmium		47.7228		0.0940	U	50.00	95.4		M
Copper		55.9847		0.5200	U	50.00	111.2		M
Lead		54.7477		0.0750	U	50.00	109.4		M
Nickel		53.6743		0.6935	J	50.00	106.0		M
Selenium		43.8151		0.1100	U	50.00	87.6		M
Silver		49.0684		0.0850	U	50.00	98.1		M
Thallium		57.3693		0.0440	U	50.00	114.7		M
Zinc		48.4520		1.9606	J	50.00	93.0		M

Comments:

SW-846
5B
POST DIGEST SPIKE RECOVERY

SAMPLE NO.
16LCMW01SWFP-DL

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R021889

Lab Sample ID: CAB36-007P Matrix (soil/water): Water

Level (low/med): LOW Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	% R	Q	M
Beryllium		44.9827		0.0430	U	50.00	90.0		M
Chromium		46.9293		0.1200	U	50.00	93.8		M

Comments:

SW-846
6
DUPLICATES

SAMPLE NO.
16LCMW01SWD

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R022199

Lab Sample ID: CAB36-001D Prep Batch ID: P023192

Level (low/med): LOW Matrix (soil/water): Water

% Solids for Duplicate % Solids for Sample:

Concentration Units: ug/L

Analyte	Control Limit	Sample	C	Duplicate (D)	C	RPD	Q	M
Mercury	0.2	0.0395	J	0.0323	J	20.2		CV

SW-846
6
DUPLICATES

SAMPLE NO.

16LCMW01SWFD

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R021858

Lab Sample ID: CAB36-007D Prep Batch ID: P022723

Level (low/med): LOW Matrix (soil/water): Water

% Solids for Duplicate % Solids for Sample:

Concentration Units: ug/L

Analyte	Control Limit	Sample	C	Duplicate (D)	C	RPD	Q	M
Antimony	1	0.0856	J	0.0560	U			M
Arsenic	1	0.1912	J	0.2370	J	21.4		M
Cadmium	1	0.0940	U	0.0940	U			M
Copper	2	0.5200	U	1.6453	J	120.9		M
Lead	1	0.0750	U	0.0750	U			M
Nickel	1	0.6935	J	1.0536		41.2		M
Selenium	1	0.1100	U	0.1100	U			M
Silver	1	0.0850	U	0.0850	U			M
Thallium	1	0.0440	U	0.0440	U			M
Zinc	10	1.9606	J	2.2565	J	14.0		M

SW-846
6
DUPLICATES

SAMPLE NO.

16LCMW01SWFD

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R021889

Lab Sample ID: CAB36-007D Prep Batch ID: P022723

Level (low/med): LOW Matrix (soil/water): Water

% Solids for Duplicate % Solids for Sample:

Concentration Units: ug/L

Analyte	Control Limit	Sample	C	Duplicate (D)	C	RPD	Q	M
Beryllium	5	0.2150	U	0.2150	U			M
Chromium	5	0.6000	U	0.6000	U			M

SW-846
6
DUPLICATES

SAMPLE NO.

16LCMW01SWFD

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R022199

Lab Sample ID: CAB36-007D Prep Batch ID: P023192

Level (low/med): LOW Matrix (soil/water): Water

% Solids for Duplicate % Solids for Sample:

Concentration Units: ug/L

Analyte	Control Limit	Sample	C	Duplicate (D)	C	RPD	Q	M
Mercury	0.2	0.0304	J	0.0377	J	21.3		CV

7A

LABORATORY CONTROL SAMPLE

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R022199

Lab Sample ID: S100507HGW01 Prep Batch ID: P023192

LCS Source: ME-15-162-6

Analyte	Concentration Units: ug/L					
	True	Found	C	%R Limits		%R
Mercury	4.04	4.1543		85	115	102.8

SW-846
7C

DUPLICATE LABORATORY CONTROL SAMPLE

SAMPLE NO.
S092107ICPMSW06D

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence(s): R028858 & 28870

LCS Lab Sample ID: S092107ICPMSW06 Prep Batch ID: P022723

Duplicate LCS ID: S092107ICPMSW06D Level (low/med): LOW

% Solids for LCS: 100 % Solids for Duplicate LCS: 100

Matrix (soil/water): Water Concentration Units: ug/L

Analyte	Control Limits		LCS						Duplicate LCS						RPD
	%R	RPD	Results	C	Added	%R	Q	M	Results	C	Added	%R	Q	M	
Antimony	80 - 120	20	47.5518		50.0	95		M	47.5285		50.0	95		M	0%
Arsenic	80 - 120	20	47.805		50.0	96		M	46.8295		50.0	94		M	2%
Beryllium	80 - 120	20	46.6291		50.0	93		M	46.1507		50.0	92		M	1%
Cadmium	80 - 120	20	49.268		50.0	99		M	49.5302		50.0	99		M	1%
Chromium	80 - 120	20	50.6224		50.0	101		M	52.3368		50.0	105		M	3%
Copper	80 - 120	20	58.6438		50.0	117		M	57.8602		50.0	116		M	1%
Lead	80 - 120	20	56.9002		50.0	114		M	55.1107		50.0	110		M	3%
Nickel	80 - 120	20	58.2997		50.0	117		M	56.4054		50.0	113		M	3%
Selenium	80 - 120	20	45.8632		50.0	92		M	44.6759		50.0	89		M	3%
Silver	80 - 120	20	51.9966		50.0	104		M	51.5387		50.0	103		M	1%
Thallium	80 - 120	20	60.0507		50.0	120		M	59.3301		50.0	119		M	1%
Zinc	80 - 120	20	51.2995		50.0	103		M	50.4139		50.0	101		M	2%

Comments:

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ICP SERIAL DILUTIONS

SAMPLE NO.

16LCMW01SWFL

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R021858

Matrix (soil/water): Water Level (low/med: LOW

Lab Sample ID: CAB36-007L

Analyte	Actual Results (ug/L)			Final Results (ug/L)				%D	Q	M
	Initial Sample(i)	Dilution Sample(S)	IDL	Initial Sample(i)	C	Dilution Sample(S)	C			
Antimony	0.0856	-0.4100	0.0800	0.0856	J	0.280	U	100.0		M
Arsenic	0.1912	0.0232	0.0330	0.191	J	0.500	U	100.0		M
Cadmium	0.0268	0.0956	0.0150	0.0940	U	0.470	U	256.5		M
Copper	0.4057	0.7425	0.0070	0.520	U	2.60	U	83.0		M
Lead	0.0281	0.5222	0.0020	0.0750	U	0.522	J	1757.6		M
Nickel	0.6935	2.4885	0.0320	0.693	J	2.49	J	258.9		M
Selenium	0.0304	0.0369	0.1050	0.110	U	0.550	U			M
Silver	0.0011	0.0015	0.0250	0.0850	U	0.425	U			M
Thallium	-0.0644	-0.3174	0.0080	0.0440	U	0.220	U			M
Zinc	1.9606	4.5468	0.0220	1.96	J	9.00	U	131.9		M

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ICP SERIAL DILUTIONS

SAMPLE NO.

16LCMW01SWFL

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R021889

Matrix (soil/water): Water Level (low/med: LOW

Lab Sample ID: CAB36-007L

Analyte	Actual Results (ug/L)			Final Results (ug/L)				%D	Q	M
	Initial Sample(i)	Dilution Sample(S)	IDL	Initial Sample(i)	C	Dilution Sample(S)	C			
Beryllium	0.0014	-0.0103	0.0200	0.215	U	1.08	U			M
Chromium	0.0282	-0.2007	0.0700	0.600	U	3.00	U			M

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INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36

Instrument ID: ICPMS (PE ELAN 6100) Date: 08/18/2004

Analyte	Isotope	A LTL PQL (ug/L)	B LTL PQL (ug/L)	C MDL (ug/L)	D MDL (ug/L)	M
Antimony	121	1	1	0.056	0.056	M
Arsenic	75	1	1	0.1	0.1	M
Beryllium	9	1	1	0.043	0.043	M
Cadmium	111	1	1	0.094	0.094	M
Chromium	52	1	1	0.12	0.12	M
Copper	63	2	2	0.52	0.52	M
Lead	208	1	1	0.075	0.075	M
Nickel	60	1	1	0.11	0.11	M
Selenium	82	1	1	0.11	0.11	M
Silver	107	1	1	0.085	0.085	M
Thallium	205	1	1	0.044	0.044	M
Zinc	66	10	10	1.8	1.8	M

A = Upper Estimated (J Flag) Range in Determination Units
B = Upper Estimated (J Flag) Range in Actual Units
C = Lower Estimated (J Flag) Range in Determination Units
D = Lower Estimated (J Flag) Range in Actual Units

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INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36

Instrument ID: FIMS(FIMS400) Date: 04/11/2006

Analyte	Isotope	A LTL PQL (ug/L)	B LTL PQL (ug/L)	C MDL (ug/L)	D MDL (ug/L)	M
Mercury		0.2	0.2	0.018	0.018	CV

A = Upper Estimated (J Flag) Range in Determination Units
B = Upper Estimated (J Flag) Range in Actual Units
C = Lower Estimated (J Flag) Range in Determination Units
D = Lower Estimated (J Flag) Range in Actual Units

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ICP LINEAR RANGES (QUARTERLY)

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36

ICP ID Number: ICPMS (PE ELAN 6100) Date: 09/11/2007

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Antimony	0.002	2000.0	M
Arsenic	0.001	2000.0	M
Beryllium	0.002	1000.0	M
Cadmium	0.001	2000.0	M
Chromium	0.001	2000.0	M
Copper	0.001	2000.0	M
Lead	0.001	2000.0	M
Nickel	0.001	2000.0	M
Selenium	0.002	1000.0	M
Silver	0.002	1000.0	M
Thallium	0.001	2000.0	M
Zinc	0.002	1000.0	M

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ICP LINEAR RANGES (QUARTERLY)

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36

ICP ID Number: FIMS(FIMS400) Date: 09/18/2007

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Mercury		10.0	CV

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PREPARATION LOG

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Prep Batch ID: P022723

Method: 6020

Client Sample No.	Lab Sample ID	Preparation Date	Initial Volume	Volume (mL)
B092107ICPMSW06	B092107ICPMSW06	09/21/2007	100.0 mL	100
S092107ICPMSW06	S092107ICPMSW06	09/21/2007	100.0 mL	100
S092107ICPMSW06D	S092107ICPMSW06D	09/21/2007	100.0 mL	100
16LCMW01SW	CAB36-001	09/21/2007	100.0 mL	100
16LCMW435W	CAB36-002	09/21/2007	100.0 mL	100
16LCMW01DW	CAB36-004	09/21/2007	100.0 mL	100
16LCMW02SW	CAB36-005	09/21/2007	100.0 mL	100
16LCMW02DW	CAB36-006	09/21/2007	100.0 mL	100
16LCMW01SWF	CAB36-007	09/21/2007	100.0 mL	100
16LCMW01SWFD	CAB36-007D	09/21/2007	100.0 mL	100
16LCMW01SWFMS	CAB36-007MS	09/21/2007	100.0 mL	100
16LCMW435F	CAB36-008	09/21/2007	100.0 mL	100
16LCMW02SWF	CAB36-009	09/21/2007	100.0 mL	100
16LCMW01DWF	CAB36-010	09/21/2007	100.0 mL	100
16LCMW02DWF	CAB36-011	09/21/2007	100.0 mL	100

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PREPARATION LOG

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Prep Batch ID: P023192

Method: 7470A

Client Sample No.	Lab Sample ID	Preparation Date	Initial Volume	Volume (mL)
B100507HGW01	B100507HGW01	10/05/2007	50.0 mL	50
S100507HGW01	S100507HGW01	10/05/2007	50.0 mL	50
16LCMW01SW	CAB36-001	10/05/2007	50.0 mL	50
16LCMW01SWD	CAB36-001D	10/05/2007	50.0 mL	50
16LCMW01SWMS	CAB36-001MS	10/05/2007	50.0 mL	50
16LCMW435W	CAB36-002	10/05/2007	50.0 mL	50
16LCMW01DW	CAB36-004	10/05/2007	50.0 mL	50
16LCMW02SW	CAB36-005	10/05/2007	50.0 mL	50
16LCMW02DW	CAB36-006	10/05/2007	50.0 mL	50
16LCMW01SWF	CAB36-007	10/05/2007	50.0 mL	50
16LCMW01SWFD	CAB36-007D	10/05/2007	50.0 mL	50
16LCMW01SWFMS	CAB36-007MS	10/05/2007	50.0 mL	50
16LCMW435F	CAB36-008	10/05/2007	50.0 mL	50
16LCMW02SWF	CAB36-009	10/05/2007	50.0 mL	50
16LCMW01DWF	CAB36-010	10/05/2007	50.0 mL	50
16LCMW02DWF	CAB36-011	10/05/2007	50.0 mL	50
CRA	CRA	10/05/2007	50.0 mL	50
ICB	ICB	10/05/2007	50.0 mL	50
ICV	ICV	10/05/2007	50.0 mL	50

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ANALYSIS RUN LOG

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R021858

Instrument ID Number: ICPMS (PE ELAN 6100) Method: 6020

Start Date: 09/24/2007 End Date: 09/24/2007

Client Sample No.	D/F	Time	Analytes																																			
			AG	AL	AS	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TH	TI	TL	U	V	ZN	CN	B	SI			
Blank	1	14:45	X		X		X		X		X	X									X	X	X	X					X			X						
Standard 1	1	14:51	X		X		X		X		X	X									X	X	X	X					X			X						
Standard 2	1	14:56	X		X		X		X		X	X									X	X	X	X					X			X						
Standard 3	1	15:01	X		X		X		X		X	X									X	X	X	X					X			X						
Standard 4	1	15:06	X		X		X		X		X	X									X	X	X	X					X			X						
Standard 5	1	15:11	X		X		X		X		X	X									X	X	X	X					X			X						
ICV	1	15:17	X		X		X		X		X	X									X	X	X	X					X			X						
ICB	1	15:20	X		X		X		X		X	X									X	X	X	X					X			X						
CRI	1	15:24	X		X		X		X		X	X									X	X	X	X					X			X						
ICSA	1	15:28	X		X		X		X		X	X									X	X	X	X					X			X						
ICSAB	1	15:31	X		X		X		X		X	X									X	X	X	X					X			X						
zzzzzz1	1	15:35																																				
CCV1	1	15:39	X		X		X		X		X	X									X	X	X	X					X			X						
CCB1	1	15:43	X		X		X		X		X	X									X	X	X	X					X			X						
zzzzzz2	1	16:10																																				
zzzzzz3	1	16:14																																				
zzzzzz4	1	16:19																																				
zzzzzz5	1	16:23																																				
zzzzzz6	1	16:28																																				
zzzzzz7	1	16:32																																				
zzzzzz8	1	16:36																																				
CCV2	1	16:41	X		X		X		X		X	X									X	X	X	X					X			X						
CCB2	1	16:45	X		X		X		X		X	X									X	X	X	X					X			X						
zzzzzz9	1	16:49																																				
zzzzzz10	1	16:54																																				
zzzzzz11	1	16:58																																				
zzzzzz12	1	17:03																																				

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ANALYSIS RUN LOG

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R021858

Instrument ID Number: ICPMS (PE ELAN 6100) Method: 6020

Start Date: 09/24/2007 End Date: 09/24/2007

Client Sample No.	D/F	Time	Analytes																																	
			AG	AL	AS	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TH	TI	TL	U	V	ZN	CN	B	SI
zzzzzz13	1	17:07																																		
zzzzzz14	1	17:11																																		
zzzzzz15	1	17:16																																		
CCV3	1	17:20	X		X		X		X		X	X									X	X	X	X					X			X				
CCB3	1	17:24	X		X		X		X		X	X									X	X	X	X					X			X				
zzzzzz	1	17:29																																		
zzzzzz	1	17:35																																		
zzzzzz	1	17:39																																		
zzzzzz	1	17:44																																		
zzzzzz	1	17:48																																		
zzzzzz	1	17:53																																		
zzzzzz	1	17:57																																		
zzzzzz	1	18:01																																		
CCV4	1	18:06	X		X		X		X		X	X									X	X	X	X					X			X				
CCB4	1	18:10	X		X		X		X		X	X									X	X	X	X					X			X				
zzzzzz	1	18:14																																		
zzzzzz	1	18:18																																		
zzzzzz	5	18:23																																		
zzzzzz	1	18:27																																		
zzzzzz	1	18:31																																		
zzzzzz	1	18:36																																		
zzzzzz	1	18:40																																		
CCV5	1	18:45	X		X		X		X		X	X									X	X	X	X					X			X				
CCB5	1	18:49	X		X		X		X		X	X									X	X	X	X					X			X				
B092107ICPMSW06	1	18:53	X		X		X		X		X	X									X	X	X	X					X			X				
S092107ICPMSW06	1	18:57	X		X		X		X		X	X									X	X	X	X					X			X				
S092107ICPMSW06D	1	19:02	X		X		X		X		X	X									X	X	X	X					X			X				

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ANALYSIS RUN LOG

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R021858

Instrument ID Number: ICPMS (PE ELAN 6100) Method: 6020

Start Date: 09/24/2007 End Date: 09/24/2007

Client Sample No.	D/F	Time	Analytes																																		
			AG	AL	AS	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TH	TI	TL	U	V	ZN	CN	B	SI		
16LCMW01SW	1	19:06	X		X				X			X									X	X	X	X					X			X					
16LCMW435W	1	19:11	X		X				X			X									X	X	X	X					X			X					
16LCMW01DW	1	19:15	X		X				X			X									X	X	X	X					X			X					
16LCMW02SW	1	19:19	X		X				X			X									X	X	X	X					X			X					
16LCMW02DW	1	19:24	X		X				X			X									X	X	X	X					X			X					
CCV6	1	19:28	X		X		X		X		X	X									X	X	X	X					X			X					
CCB6	1	19:32	X		X		X		X		X	X									X	X	X	X					X			X					
16LCMW01SWF	1	19:37	X		X				X			X									X	X	X	X					X			X					
16LCMW01SWFL	5	19:41	X		X				X			X									X	X	X	X					X			X					
16LCMW01SWFD	1	19:45	X		X				X			X									X	X	X	X					X			X					
16LCMW01SWFMS	1	19:50	X		X				X			X									X	X	X	X					X			X					
16LCMW01SWFP	1	19:54	X		X				X			X									X	X	X	X					X			X					
16LCMW435F	1	19:58	X		X		X		X		X	X									X	X	X	X					X			X					
16LCMW02SWF	1	20:03	X		X				X			X									X	X	X	X					X			X					
16LCMW01DWF	1	20:07	X		X				X			X									X	X	X	X					X			X					
16LCMW02DWF	1	20:11	X		X		X		X		X	X									X	X	X	X					X			X					
CCV7	1	20:16	X		X		X		X		X	X									X	X	X	X					X			X					
CCB7	1	20:20	X		X		X		X		X	X									X	X	X	X					X			X					

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ANALYSIS RUN LOG

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R021889

Instrument ID Number: ICPMS (PE ELAN 6100) Method: 6020

Start Date: 09/25/2007 End Date: 09/25/2007

Client Sample No.	D/F	Time	Analytes																																		
			AG	AL	AS	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TH	TI	TL	U	V	ZN	CN	B	SI		
Blank	1	07:13					X				X																										
Standard 1	1	07:19					X				X																										
Standard 2	1	07:24					X				X																										
Standard 3	1	07:29					X				X																										
Standard 4	1	07:34					X				X																										
Standard 5	1	07:39					X				X																										
ICV	1	07:45					X				X																										
ICB	1	07:48					X				X																										
CRI	1	07:52					X				X																										
ICSA	1	07:56					X				X																										
ICSAB	1	07:59					X				X																										
zzzzzz1	1	08:03																																			
CCV1	1	08:07					X				X																										
CCB1	1	08:12					X				X																										
zzzzzz2	1	08:52																																			
zzzzzz3	1	08:56																																			
zzzzzz4	1	09:00																																			
zzzzzz5	1	09:05																																			
zzzzzz6	1	09:09																																			
zzzzzz7	1	09:13																																			
zzzzzz8	1	09:18																																			
CCV2	1	09:22					X				X																										
CCB2	1	09:26					X				X																										
zzzzzz9	1	09:31																																			
zzzzzz10	1	09:35																																			
zzzzzz11	1	09:40																																			
zzzzzz12	1	09:44																																			

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ANALYSIS RUN LOG

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R021889

Instrument ID Number: ICPMS (PE ELAN 6100) Method: 6020

Start Date: 09/25/2007 End Date: 09/25/2007

Client Sample No.	D/F	Time	Analytes																																					
			AG	AL	AS	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TH	TI	TL	U	V	ZN	CN	B	SI					
zzzzzz13	1	09:48																																						
zzzzzz14	1	09:53																																						
zzzzzz15	1	09:57																																						
CCV3	1	10:02					X				X																													
CCB3	1	10:06					X				X																													
zzzzzz	5	10:13																																						
zzzzzz	5	10:17																																						
zzzzzz	5	10:22																																						
zzzzzz	25	10:26																																						
zzzzzz	5	10:30																																						
zzzzzz	5	10:35																																						
CCV4	1	10:39					X				X																													
CCB4	1	10:44					X				X																													
16LCMW01SW	5	10:48					X				X																													
16LCMW435W	5	10:52					X				X																													
16LCMW01DW	5	10:56					X				X																													
16LCMW02SW	5	11:01					X				X																													
16LCMW02DW	5	11:05					X				X																													
16LCMW01SWF	5	11:09					X				X																													
16LCMW01SWFL	25	11:14					X				X																													
CCV5	1	11:18					X				X																													
CCB5	1	11:22					X				X																													
16LCMW01SWFD	5	11:27					X				X																													
16LCMW01SWFMS	5	11:31					X				X																													
16LCMW01SWFP	5	11:35					X				X																													
16LCMW02SWF	5	11:40					X				X																													
16LCMW01DWF	5	11:44					X				X																													

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ANALYSIS RUN LOG

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R021889

Instrument ID Number: ICPMS (PE ELAN 6100) Method: 6020

Start Date: 09/25/2007 End Date: 09/25/2007

Client Sample No.	D/F	Time	Analytes																																	
			AG	AL	AS	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TH	TI	TL	U	V	ZN	CN	B	SI
zzzzzz	5	11:49																																		
CCV6	1	11:53					X				X																									
CCB6	1	11:57					X				X																									

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ANALYSIS RUN LOG

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB36 Run Sequence ID: R022199

Instrument ID Number: FIMS(FIMS400) Method: 7470A

Start Date: 10/05/2007 End Date: 10/05/2007

Client Sample No.	D/F	Time	Analytes																																			
			AG	AL	AS	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TH	TI	TL	U	V	ZN	CN	B	SI			
Calib Blank	1	14:08												X																								
S0.2	1	14:12												X																								
S0.5	1	14:15												X																								
S1.0	1	14:18												X																								
S2.0	1	14:21												X																								
S5.0	1	14:25												X																								
S10.0	1	14:28												X																								
ICV	1	14:31												X																								
ICB	1	14:34												X																								
CRA	1	14:38												X																								
S100507HGW01	1	14:41												X																								
B100507HGW01	1	14:44												X																								
16LCMW01SW	1	14:47												X																								
16LCMW01SWD	1	14:50												X																								
16LCMW01SWMS	1	14:54												X																								
16LCMW435W	1	14:57												X																								
16LCMW01DW	1	15:00												X																								
16LCMW02SW	1	15:04												X																								
16LCMW02DW	1	15:07												X																								
CCV1	1	15:10												X																								
CCB1	1	15:13												X																								
16LCMW01SWF	1	15:16												X																								
16LCMW01SWFD	1	15:20												X																								
16LCMW01SWFMS	1	15:23												X																								
16LCMW435F	1	15:26												X																								
16LCMW02SWF	1	15:29												X																								
16LCMW01DWF	1	15:33												X																								

14

ANALYSIS RUN LOG

Lab Name: Laucks Laboratories
Contract:
Lab Code: LAUCKS SDG No.: CAB36
Run Sequence ID: R022199
Instrument ID Number: FIMS(FIMS400)
Method: 7470A
Start Date: 10/05/2007
End Date: 10/05/2007

Client Sample No.	D/F	Time	Analytes																																		
			AG	AL	AS	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TH	TI	TL	U	V	ZN	CN	B	SI		
16LCMW02DWF	1	15:36												X																							
zzzzzz	1	15:39																																			
zzzzzz	1	15:42																																			
CCV2	1	15:46												X																							
CCB2	1	15:49												X																							

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FORMS SUMMARY

CAB36

Miscellaneous Inorganics

Laucks Testing Laboratories, Inc.

Final Results

Client: PBS Engineering and Environmental
Project: Camp Bonneville
SDG Number: CAB36
Sample Number: 16LCMW01SW
Date/Time Collected: 09/17/2007 11:10
Lab Sample ID: CAB36-001
Date/Time Received: 09/18/2007 08:10
Method: E150.1
Unit: pH Units

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
pH	pH	1	6.7		0.10	0.10	09/18/2007	09/18/2007	R021635

Method: E160.2
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Suspended Solids, Total	TSS	1	2	U	2	2	09/18/2007	09/20/2007	R021636

Method: E300.0
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Nitrate - N	14797-55-8	1	0.20	U	0.20	0.055	09/18/2007	09/18/2007	R021638
Nitrite - N	14797-65-0	1	0.10	U	0.10	0.017	09/18/2007	09/18/2007	R021638
Sulfate as SO4	14808-79-8	1	1.0	U	1.0	0.17	09/18/2007	09/18/2007	R021638
Chloride	16887-00-6	1	1.3		1.0	0.076	09/18/2007	09/18/2007	R021638

Method: E310.1
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Alkalinity, Carbonate (As CaCO3)	3812-32-6	4	8	U	8	8	09/26/2007	09/26/2007	R021817
Alkalinity, Bicarbonate (As CaCO3)	71-52-3	4	48		8	8	09/26/2007	09/26/2007	R021817

Method: E314.0
Unit: ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	1	1.0	U	1.0	0.14	09/24/2007	09/25/2007	R021825

Method: E415.1
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Organic Carbon, Total	TOC	1	1.0	U	1.0	0.070	10/04/2007	10/04/2007	R022154

Laucks Testing Laboratories, Inc.

Final Results

Client: PBS Engineering and Environmental
Project: Camp Bonneville
SDG Number: CAB36
Sample Number: 16LCMW435W
Date/Time Collected: 09/17/2007 10:00
Lab Sample ID: CAB36-002
Date/Time Received: 09/18/2007 08:10
Method: E150.1
Unit: pH Units

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
pH	pH	1	6.8		0.10	0.10	09/18/2007	09/18/2007	R021635

Method: E160.2
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Suspended Solids, Total	TSS	1	2		2	2	09/18/2007	09/20/2007	R021636

Method: E300.0
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Nitrate - N	14797-55-8	1	0.20	U	0.20	0.055	09/18/2007	09/18/2007	R021638
Nitrite - N	14797-65-0	1	0.10	U	0.10	0.017	09/18/2007	09/18/2007	R021638
Sulfate as SO4	14808-79-8	1	1.0	U	1.0	0.17	09/18/2007	09/18/2007	R021638
Chloride	16887-00-6	1	1.3		1.0	0.076	09/18/2007	09/18/2007	R021638

Method: E310.1
Uuit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Alkalinity, Carbonate (As CaCO3)	3812-32-6	4	8	U	8	8	09/26/2007	09/26/2007	R021817
Alkalinity, Bicarbonate (As CaCO3)	71-52-3	4	48		8	8	09/26/2007	09/26/2007	R021817

Method: E314.0
Unit: ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	1	1.0	U	1.0	0.14	09/24/2007	09/25/2007	R021825

Method: E415.1
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Organic Carbon, Total	TOC	1	1.0	U	1.0	0.070	10/04/2007	10/04/2007	R022154

Laucks Testing Laboratories, Inc.

Final Results

Client: PBS Engineering and Environmental
Project: Camp Bonneville
SDG Number: CAB36
Sample Number: 16LCMW01DW
Date/Time Collected: 09/17/2007 13:00
Lab Sample ID: CAB36-004
Date/Time Received: 09/18/2007 08:10
Method: E150.1
Unit: pH Units

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
pH	pH	1	7.0		0.10	0.10	09/18/2007	09/18/2007	R021635

Method: E160.2
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Suspended Solids, Total	TSS	1	2	U	2	2	09/18/2007	09/20/2007	R021636

Method: E300.0
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Nitrate - N	14797-55-8	1	0.20	U	0.20	0.055	09/18/2007	09/18/2007	R021638
Nitrite - N	14797-65-0	1	0.10	U	0.10	0.017	09/18/2007	09/18/2007	R021638
Sulfate as SO4	14808-79-8	1	1.0		1.0	0.17	09/18/2007	09/18/2007	R021638
Chloride	16887-00-6	1	1.4		1.0	0.076	09/18/2007	09/18/2007	R021638

Method: E310.1
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Alkalinity, Carbonate (As CaCO3)	3812-32-6	4	8	U	8	8	09/26/2007	09/26/2007	R021817
Alkalinity, Bicarbonate (As CaCO3)	71-52-3	4	52		8	8	09/26/2007	09/26/2007	R021817

Method: E314.0
Unit: ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	1	1.0	U	1.0	0.14	09/24/2007	09/25/2007	R021825

Method: E415.1
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Organic Carbon, Total	TOC	1	1.0	U	1.0	0.070	10/04/2007	10/04/2007	R022154

Laucks Testing Laboratories, Inc.

Final Results

Client: PBS Engineering and Environmental
Project: Camp Bonneville
SDG Number: CAB36
Sample Number: 16LCMW02SW
Date/Time Collected: 09/17/2007 14:45
Lab Sample ID: CAB36-005
Date/Time Received: 09/18/2007 08:10
Method: E150.1
Unit: pH Units

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
pH	pH	1	6.9		0.10	0.10	09/18/2007	09/18/2007	R021635

Method: E160.2
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Suspended Solids, Total	TSS	1	3		2	2	09/18/2007	09/20/2007	R021636

Method: E300.0
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Nitrate - N	14797-55-8	1	0.20	U	0.20	0.055	09/18/2007	09/18/2007	R021638
Nitrite - N	14797-65-0	1	0.10	U	0.10	0.017	09/18/2007	09/18/2007	R021638
Sulfate as SO4	14808-79-8	1	1.0	U	1.0	0.17	09/18/2007	09/18/2007	R021638
Chloride	16887-00-6	1	1.4		1.0	0.076	09/18/2007	09/18/2007	R021638

Method: E310.1
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Alkalinity, Carbonate (As CaCO3)	3812-32-6	4	8	U	8	8	09/26/2007	09/26/2007	R021817
Alkalinity, Bicarbonate (As CaCO3)	71-52-3	4	44		8	8	09/26/2007	09/26/2007	R021817

Method: E314.0
Unit: ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	1	1.0	U	1.0	0.14	09/24/2007	09/25/2007	R021825

Method: E415.1
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Organic Carbon, Total	TOC	1	1.0	U	1.0	0.070	10/04/2007	10/04/2007	R022154

Laucks Testing Laboratories, Inc.

Final Results

Client: PBS Engineering and Environmental
Project: Camp Bonneville
SDG Number: CAB36
Sample Number: 16LCMW02DW
Date/Time Collected: 09/17/2007 16:30
Lab Sample ID: CAB36-006
Date/Time Received: 09/18/2007 08:10
Method: E150.1
Unit: pH Units

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
pH	pH	1	6.8		0.10	0.10	09/18/2007	09/18/2007	R021635

Method: E160.2
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Suspended Solids, Total	TSS	1	2	U	2	2	09/18/2007	09/20/2007	R021636

Method: E300.0
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Nitrate - N	14797-55-8	1	0.20	U	0.20	0.055	09/18/2007	09/18/2007	R021638
Nitrite - N	14797-65-0	1	0.10	U	0.10	0.017	09/18/2007	09/18/2007	R021638
Sulfate as SO4	14808-79-8	1	1.0	U	1.0	0.17	09/18/2007	09/18/2007	R021638
Chloride	16887-00-6	1	1.7		1.0	0.076	09/18/2007	09/18/2007	R021638

Method: E310.1
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Alkalinity, Carbonate (As CaCO3)	3812-32-6	4	8	U	8	8	09/26/2007	09/26/2007	R021817
Alkalinity, Bicarbonate (As CaCO3)	71-52-3	4	48		8	8	09/26/2007	09/26/2007	R021817

Method: E314.0
Unit: ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	1	1.0	U	1.0	0.14	09/24/2007	09/25/2007	R021825

Method: E415.1
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Organic Carbon, Total	TOC	1	1.0	U	1.0	0.070	10/04/2007	10/04/2007	R022154

Laucks Testing Laboratories, Inc.

Final Results

Client:	PBS Engineering and Environmental	**Project:**	Camp Bonneville
SDG Number:	CAB36		
Sample Number:	16LCMW01SWF	**Date/Time Collected:**	09/17/2007 11:10
Lab Sample ID:	CAB36-007	**Date/Time Received:**	09/18/2007 08:10
Method:	E415.1	**Unit:**	mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Dissolved Organic Carbon	DOC	1	1.0	U	1.0	1.0	10/04/2007	10/04/2007	R022154

Laucks Testing Laboratories, Inc.

Final Results

Client:	PBS Engineering and Environmental	**Project:**	Camp Bonneville
SDG Number:	CAB36		
Sample Number:	16LCMW435F	**Date/Time Collected:**	09/17/2007 10:00
Lab Sample ID:	CAB36-008	**Date/Time Received:**	09/18/2007 08:10
Method:	E415.1	**Unit:**	mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Dissolved Organic Carbon	DOC	1	1.0	U	1.0	1.0	10/04/2007	10/04/2007	R022154

Laucks Testing Laboratories, Inc.

Final Results

Client:	PBS Engineering and Environmental	**Project:**	Camp Bonneville
SDG Number:	CAB36		
Sample Number:	16LCMW02SWF	**Date/Time Collected:**	09/17/2007 14:45
Lab Sample ID:	CAB36-009	**Date/Time Received:**	09/18/2007 08:10
Method:	E415.1	**Unit:**	mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Dissolved Organic Carbon	DOC	1	1.0	U	1.0	1.0	10/04/2007	10/04/2007	R022154

Laucks Testing Laboratories, Inc.

Final Results

Client:	PBS Engineering and Environmental	**Project:**	Camp Bonneville
SDG Number:	CAB36		
Sample Number:	16LCMW01DWF	**Date/Time Collected:**	09/17/2007 13:00
Lab Sample ID:	CAB36-010	**Date/Time Received:**	09/18/2007 08:10
Method:	E415.1	**Unit:**	mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Dissolved Organic Carbon	DOC	1	1.0	U	1.0	1.0	10/04/2007	10/04/2007	R022154

Laucks Testing Laboratories, Inc.

Final Results

Client:	PBS Engineering and Environmental	**Project:**	Camp Bonneville
SDG Number:	CAB36		
Sample Number:	16LCMW02DWF	**Date/Time Collected:**	09/17/2007 16:30
Lab Sample ID:	CAB36-011	**Date/Time Received:**	09/18/2007 08:10
Method:	E415.1	**Unit:**	mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Dissolved Organic Carbon	DOC	1	1.0	U	1.0	1.0	10/04/2007	10/04/2007	R022154

Laucks Testing Laboratories, Inc.

INITIAL AND CONTINUING CALIBRATION VERIFICATION

SDG No: CAB36 Contract:

Run Sequence No. R021638 Concentration Units: mg/L

Determination Name: 300.0 NO3, NO2, Cl, SO4

Initial Calibration Source: IC-7-25-5

Continuing Calbration Source: IC-7-26-5

Analyte	ICV 09/18/2007 18:07				CCV1 09/18/07 21:16						CCV
	True	Found	Recovery	Limits	True	Found	Recovery	True	Found	Recovery	Limits
Chloride	1.510	1.395	92.4	90-110	5.023	4.714	93.9				90-110
Nitrate - N	1.152	1.114	96.7	90-110	2.004	1.909	95.3				90-110
Nitrite - N	1.513	1.57	103.8	90-110	1.000	0.959	95.9				90-110
Sulfate as SO4	7.500	7.208	96.1	90-110	10.018	9.525	95.1				90-110

* = Percent recovery not within control limits

Laucks Testing Laboratories, Inc.

INITIAL AND CONTINUING CALIBRATION VERIFICATION

SDG No: CAB36 Contract:

Run Sequence No. R021825 Concentration Units: ug/L

Determination Name: 314.0 Perchlorate

Initial Calibration Source: IC-7-26-11

Continuing Calbration Source: IC-7-26-13

Analyte	ICV 09/25/2007 9:30				CCV1 09/25/07 09:30			CCV2 09/25/07 09:30			CCV
	True	Found	Recovery	Limits	True	Found	Recovery	True	Found	Recovery	Limits
Perchlorate	40.151	40.588	101.1	75-125	9.988	9.261	92.7	9.988	9.031	90.4	85-115

* = Percent recovery not within control limits

Laucks Testing Laboratories, Inc.

INITIAL AND CONTINUING CALIBRATION VERIFICATION

SDG No: CAB36 Contract:

Run Sequence No. R022154 Concentration Units: mg/L

Determination Name: 415.1 Total Organic Carbon

Initial Calibration Source: TOC-4-31-13

Continuing Calbration Source: TOC-4-29-20

Analyte	ICV 10/04/2007 13:40				CCV01 10/04/07 13:40			CCV02 10/04/07 13:40			CCV
	True	Found	Recovery	Limits	True	Found	Recovery	True	Found	Recovery	Limits
Organic Carbon, Total	10.000	9.373	93.7	90-110	5.001	4.889	97.8	5.001	4.78	95.6	90-110

* = Percent recovery not within control limits

Laucks Testing Laboratories, Inc.

INITIAL AND CONTINUING CALIBRATION VERIFICATION

SDG No: CAB36 Contract:

Run Sequence No. R022154 Concentration Units: mg/L

Determination Name: 415.1 Dissolved Organic Carbon

Initial Calibration Source: TOC-4-31-13

Continuing Calbration Source: TOC-4-29-20

Analyte	ICV 10/04/2007 13:40				CCV01 10/04/07 13:40			CCV02 10/04/07 13:40			CCV
	True	Found	Recovery	Limits	True	Found	Recovery	True	Found	Recovery	Limits
Dissolved Organic Carbon	10.000	9.373	93.7	90-110	5.001	4.889	97.8	5.001	4.78	95.6	90-110

* = Percent recovery not within control limits

Laucks Testing Laboratories, Inc.

INITIAL AND CONTINUING CALIBRATION BLANKS

SDG No: CAB36

Contract:

Run	Determination	Sample	Analyzed	Analyte	Result	Unit	Limit
R021638	300.0 NO3, NO2, Cl, SO4	ICB	09/18/2007	Chloride	1.0 U	mg/L	0.500000
	300.0 NO3, NO2, Cl, SO4	CCB1	09/18/2007	Chloride	1.0 U	mg/L	0.500000
	300.0 NO3, NO2, Cl, SO4	ICB	09/18/2007	Nitrate - N	0.20 U	mg/L	0.100000
	300.0 NO3, NO2, Cl, SO4	CCB1	09/18/2007	Nitrate - N	0.20 U	mg/L	0.100000
	300.0 NO3, NO2, Cl, SO4	ICB	09/18/2007	Nitrite - N	0.10 U	mg/L	0.050000
	300.0 NO3, NO2, Cl, SO4	CCB1	09/18/2007	Nitrite - N	0.10 U	mg/L	0.050000
	300.0 NO3, NO2, Cl, SO4	ICB	09/18/2007	Sulfate as SO4	1.0 U	mg/L	0.500000
	300.0 NO3, NO2, Cl, SO4	CCB1	09/18/2007	Sulfate as SO4	1.0 U	mg/L	0.500000
R021825	314.0 Perchlorate	ICB	09/25/2007	Perchlorate	1.0 U	ug/L	0.500000
	314.0 Perchlorate	CCB1	09/25/2007	Perchlorate	1.0 U	ug/L	0.500000
	314.0 Perchlorate	CCB2	09/25/2007	Perchlorate	1.0 U	ug/L	0.500000
R022154	415.1 Dissolved Organic Carbon	ICB	10/04/2007	Dissolved Organic Carbon	1.0 U	mg/L	0.500000
	415.1 Dissolved Organic Carbon	CCB01	10/04/2007	Dissolved Organic Carbon	1.0 U	mg/L	0.500000
	415.1 Dissolved Organic Carbon	CCB02	10/04/2007	Dissolved Organic Carbon	1.0 U	mg/L	0.500000
	415.1 Total Organic Carbon	ICB	10/04/2007	Organic Carbon, Total	1.0 U	mg/L	0.500000
	415.1 Total Organic Carbon	CCB01	10/04/2007	Organic Carbon, Total	1.0 U	mg/L	0.500000
	415.1 Total Organic Carbon	CCB02	10/04/2007	Organic Carbon, Total	1.0 U	mg/L	0.500000

* = Control limit exceeded

Laucks Testing Laboratories, Inc.

INITIAL AND CONTINUING CALIBRATION BLANKS

SDG No: CAB36 Contract:

Run Sequence No.: R021638 Concentration Units: mg/L

Determination Name: 300.0 NO3, NO2, Cl, SO4

Analyte	ICB 09/18/2007 18:22			CCB1 09/18/2007 21:31						CCB
	Found	C	Limit	Found	C	Found	C	Found	C	Limit
Chloride	1.0	U	0.5	1.0	U					0.5
Nitrate - N	0.20	U	0.1	0.20	U					0.1
Nitrite - N	0.10	U	0.05	0.10	U					0.05
Sulfate as SO4	1.0	U	0.5	1.0	U					0.5

* = Control limit exceeded

Laucks Testing Laboratories, Inc.

INITIAL AND CONTINUING CALIBRATION BLANKS

SDG No: CAB36 Contract:

Run Sequence No.: R021825 Concentration Units: ug/L

Determination Name: 314.0 Perchlorate

Analyte	ICB 09/25/2007 09:30			CCB1 09/25/2007 09:30		CCB2 09/25/2007 09:30				CCB
	Found	C	Limit	Found	C	Found	C	Found	C	Limit
Perchlorate	1.0	U	0.5	1.0	U	1.0	U			0.5

* = Control limit exceeded

Laucks Testing Laboratories, Inc.

INITIAL AND CONTINUING CALIBRATION BLANKS

SDG No: CAB36 Contract:

Run Sequence No.: R022154 Concentration Units: mg/L

Determination Name: 415.1 Total Organic Carbon

Analyte	ICB 10/04/2007 13:40			CCB01 10/04/2007 13:40		CCB02 10/04/2007 13:40				CCB
	Found	C	Limit	Found	C	Found	C	Found	C	Limit
Organic Carbon, Total	1.0	U	0.5	1.0	U	1.0	U			0.5

* = Control limit exceeded

Laucks Testing Laboratories, Inc.

INITIAL AND CONTINUING CALIBRATION BLANKS

SDG No: CAB36 Contract:

Run Sequence No.: R022154 Concentration Units: mg/L

Determination Name: 415.1 Dissolved Organic Carbon

Analyte	ICB 10/04/2007 13:40			CCB01 10/04/2007 13:40		CCB02 10/04/2007 13:40				CCB
	Found	C	Limit	Found	C	Found	C	Found	C	Limit
Dissolved Organic Carbon	1.0	U	0.5	1.0	U	1.0	U			0.5

* = Control limit exceeded

Laucks Testing Labs

Blank Report

Test:	310.1M Carb./Bicarb. Alkalinity	SDG ID:	CAB36
		Preparation Date:	9/26/2007
Lab Sample ID:	B092607ALKW01	Run Sequence ID:	R021817
		Analysis Date:	09/26/2007 17:00
		Units:	mg/L
		Matrix:	Water

Analyte	Reported	Flag	Limit
Alkalinity, Bicarbonate (As CaCO3)	2	U	2
Alkalinity, Carbonate (As CaCO3)	2	U	2

Associated Samples	
Lab Sample ID	**Client Sample ID**
CAB36-001	16LCMW01SW
CAB36-002	16LCMW435W

* Measured blank concentration exceeded the established control limit

Laucks Testing Labs

Blank Report

Test:	310.1M Carb./Bicarb. Alkalinity	SDG ID:	CAB36
		Preparation Date:	9/26/2007
Lab Sample ID:	B092607ALKW02	Run Sequence ID:	R021817
		Analysis Date:	09/26/2007 17:00
		Units:	mg/L
		Matrix:	Water

Analyte	Reported	Flag	Limit
Alkalinity, Bicarbonate (As CaCO3)	2	U	2
Alkalinity, Carbonate (As CaCO3)	2	U	2

Associated Samples	
Lab Sample ID	**Client Sample ID**
CAB36-004	16LCMW01DW
CAB36-005	16LCMW02SW
CAB36-006	16LCMW02DW

* Measured blank concentration exceeded the established control limit

Laucks Testing Labs

Blank Report

Test:	300.0 NO3, NO2, Cl, SO4	SDG ID:	CAB36
		Preparation Date:	9/18/2007
Lab Sample ID:	B091807IAIW01	Run Sequence ID:	R021638
		Analysis Date:	09/18/2007 18:22
		Units:	mg/L
		Matrix:	Water

Analyte	Reported	Flag	Limit
Chloride	1.0	U	0.5
Nitrate - N	0.20	U	0.1
Nitrite - N	0.10	U	0.05
Sulfate as SO4	1.0	U	0.5

Associated Samples	
Lab Sample ID	**Client Sample ID**
CAB36-001	16LCMW01SW
CAB36-002	16LCMW435W
CAB36-004	16LCMW01DW
CAB36-005	16LCMW02SW
CAB36-006	16LCMW02DW

* Measured blank concentration exceeded the established control limit

Laucks Testing Labs

Blank Report

Test:	314.0 Perchlorate	SDG ID:	CAB36
		Preparation Date:	9/24/2007
Lab Sample ID:	B092407PERW01	Run Sequence ID:	R021825
		Analysis Date:	09/25/2007 09:30
		Units:	ug/L
		Matrix:	Water

Analyte	Reported	Flag	Limit
Perchlorate	1.0	U	0.5

Associated Samples

Lab Sample ID	Client Sample ID
CAB36-001	16LCMW01SW
CAB36-002	16LCMW435W
CAB36-004	16LCMW01DW
CAB36-005	16LCMW02SW
CAB36-006	16LCMW02DW

* Measured blank concentration exceeded the established control limit

Laucks Testing Labs

Blank Report

Test: 415.1 Total Organic Carbon

Lab Sample ID: B100407TOCW01

SDG ID: CAB36
Preparation Date: 10/4/2007
Run Sequence ID: R022154
Analysis Date: 10/04/2007 13:40
Units: mg/L
Matrix: Water

Analyte	Reported	Flag	Limit
Organic Carbon, Total	1.0	U	0.5

Associated Samples

Lab Sample ID	Client Sample ID
CAB36-001	16LCMW01SW
CAB36-002	16LCMW435W
CAB36-004	16LCMW01DW
CAB36-005	16LCMW02SW
CAB36-006	16LCMW02DW
CAB36-007	16LCMW01SWF
CAB36-008	16LCMW435F
CAB36-009	16LCMW02SWF
CAB36-010	16LCMW01DWF
CAB36-011	16LCMW02DWF

* Measured blank concentration exceeded the established control limit

Laucks Testing Labs

Blank Report

Test: 415.1 Dissolved Organic Carbon

Lab Sample ID: B100407TOCW01

SDG ID: CAB36
Preparation Date: 10/4/2007
Run Sequence ID: R022154
Analysis Date: 10/04/2007 13:40
Units: mg/L
Matrix: Water

Analyte	Reported	Flag	Limit
Dissolved Organic Carbon	1.0	U	0.5

Associated Samples

Lab Sample ID	Client Sample ID
CAB36-001	16LCMW01SW
CAB36-002	16LCMW435W
CAB36-004	16LCMW01DW
CAB36-005	16LCMW02SW
CAB36-006	16LCMW02DW
CAB36-007	16LCMW01SWF
CAB36-008	16LCMW435F
CAB36-009	16LCMW02SWF
CAB36-010	16LCMW01DWF
CAB36-011	16LCMW02DWF

* Measured blank concentration exceeded the established control limit

Laucks Testing Labs

Blank Report

Test:	160.2 Total Suspended Solids	SDG ID:	CAB36
		Preparation Date:	9/18/2007
Lab Sample ID:	B091807TSSW01	Run Sequence ID:	R021636
		Analysis Date:	09/20/2007 08:25
		Units:	mg/L
		Matrix:	Water

Analyte	Reported	Flag	Limit
Suspended Solids, Total	2	U	2

Associated Samples	
Lab Sample ID	**Client Sample ID**
CAB36-001	16LCMW01SW
CAB36-002	16LCMW435W
CAB36-004	16LCMW01DW
CAB36-005	16LCMW02SW
CAB36-006	16LCMW02DW

* Measured blank concentration exceeded the established control limit

Laucks Testing Laboratories

Matrix Spike/Matrix Spike Duplicate Report

Test:	300.0 NO3, NO2, Cl, SO4	SDG ID:	CAB36
		Preparation Date:	09/18/2007
MS Lab Sample ID:	CAB36-001MS 10X	Run Sequence ID:	R021638
MSD Lab Sample ID:	CAB36-001MSD 10X	Analysis Date:	09/18/2007
Client Sample ID:	16LCMW01SW	Units:	mg/L
		Matrix:	Water

Analyte	Sample Found	MS Spike	MS Found	MS Recovery	MSD Spike	MSD Found	MSD Recovery	RPD	Limits	
									Recovery	RPD
Chloride	1.2777	20.1	19.7733	92%	20.1	19.9751	93%	1%	90-110	11
Nitrate - N	0.126	8.02	7.6806	94%	8.02	7.6876	94%	0%	90-110	10
Nitrite - N	0	4.00	3.8098	95%	4.00	3.8119	95%	0%	90-110	10
Sulfate as SO4	0.4627	40.1	37.9859	94%	40.1	38.3752	95%	1%	90-110	10

Associated Samples	
Lab Sample ID	Client Sample ID
CAB36-001	16LCMW01SW
CAB36-002	16LCMW435W
CAB36-004	16LCMW01DW
CAB36-005	16LCMW02SW
CAB36-006	16LCMW02DW

* = RPD or percent recovery is outside established control limits
# = This RPD or percent recovery is not flagged as an exceedence because the Sample Found amount is five times or more than the Spike Added amount.

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

Laucks Testing Laboratories

Matrix Spike/Matrix Spike Duplicate Report

Test:	314.0 Perchlorate	SDG ID:	CAB36
		Preparation Date:	09/24/2007
MS Lab Sample ID:	CAB36-001MS 2X	Run Sequence ID:	R021825
MSD Lab Sample ID:	CAB36-001MSD 2X	Analysis Date:	09/25/2007
Client Sample ID:	16LCMW01SW	Units:	ug/L
		Matrix:	Water

Analyte	Sample Found	MS Spike	MS Found	MS Recovery	MSD Spike	MSD Found	MSD Recovery	RPD	Limits	
									Recovery	RPD
Perchlorate	0	40.0	36.764	92%	40.0	37.638	94%	2%	80-120	15

Associated Samples	
Lab Sample ID	**Client Sample ID**
CAB36-001	16LCMW01SW
CAB36-002	16LCMW435W
CAB36-004	16LCMW01DW
CAB36-005	16LCMW02SW
CAB36-006	16LCMW02DW

* = RPD or percent recovery is outside established control limits
# = This RPD or percent recovery is not flagged as an exceedence because the Sample Found amount is five times or more than the Spike Added amount.

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

Laucks Testing Laboratories

Matrix Spike/Matrix Spike Duplicate Report

Test:	415.1 Total Organic Carbon	SDG ID:	CAB36
		Preparation Date:	10/04/2007
MS Lab Sample ID:	CAB36-006MS	Run Sequence ID:	R022154
MSD Lab Sample ID:	CAB36-006MSD	Analysis Date:	10/04/2007
Client Sample ID:	16LCMW02DW	Units:	mg/L
		Matrix:	Water

Analyte	Sample Found	MS Spike	MS Found	MS Recovery	MSD Spike	MSD Found	MSD Recovery	RPD	Limits	
									Recovery	RPD
Organic Carbon, Total	0.0706	10.0	9.651	96%	10.0	10.1724	101%	5%	70-119	11

Associated Samples	
Lab Sample ID	Client Sample ID
CAB36-001	16LCMW01SW
CAB36-002	16LCMW435W
CAB36-004	16LCMW01DW
CAB36-005	16LCMW02SW
CAB36-006	16LCMW02DW
CAB36-007	16LCMW01SWF
CAB36-008	16LCMW435F
CAB36-009	16LCMW02SWF
CAB36-010	16LCMW01DWF
CAB36-011	16LCMW02DWF

* = RPD or percent recovery is outside established control limits
# = This RPD or percent recovery is not flagged as an exceedence because the Sample Found amount is five times or more than the Spike Added amount.

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

Laucks Testing Laboratories

Duplicate Report

Test:	150.1 pH, Water	SDG ID:	CAB36
		Preparation Date:	9/18/2007
Lab Sample ID:	CAB36-001D	Run Sequence ID:	R021635
Client Sample ID:	16LCMW01SW	Analysis Date:	09/18/2007 12:30
		Units:	pH Units
		Matrix	Water

Analyte	Parent Found	Duplicate Found	RPD	Limit
pH	6.666	6.67	0%	10

Associated Samples	
Lab Sample ID	**Client Sample ID**
CAB36-001	16LCMW01SW
CAB36-002	16LCMW435W
CAB36-004	16LCMW01DW
CAB36-005	16LCMW02SW
CAB36-006	16LCMW02DW

= RPD Value is not flagged as an outlier because either the parent found amount or duplicate found amount or both are less than five times the reporting limit

* = Value exceeded established control limits

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

Laucks Testing Laboratories

Duplicate Report

Test:	160.2 Total Suspended Solids	SDG ID:	CAB36
		Preparation Date:	9/18/2007
Lab Sample ID:	CAB36-006D	Run Sequence ID:	R021636
Client Sample ID:	16LCMW02DW	Analysis Date:	09/20/2007 08:25
		Units:	mg/L
		Matrix	Water

Analyte	Parent Found	Duplicate Found	RPD	Limit
Suspended Solids, Total	0	0		20

Associated Samples	
Lab Sample ID	**Client Sample ID**
CAB36-001	16LCMW01SW
CAB36-002	16LCMW435W
CAB36-004	16LCMW01DW
CAB36-005	16LCMW02SW
CAB36-006	16LCMW02DW

= RPD Value is not flagged as an outlier because either the parent found amount or duplicate found amount or both are less than five times the reporting limit
* = Value exceeded established control limits

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

Laucks Testing Laboratories

BS/BSD Report

Test:	314.0 Perchlorate	SDG ID:	CAB36
		Preparation Date:	09/24/2007
BS Sample ID:	S092407	Run Sequence ID:	R021825
BSD Sample ID:	SD092407	Analysis Date:	09/25/2007 09:30
		Units:	ug/L
		Matrix	Water

Analyte	Blank Spike			Blank Spike Duplicate			RPD	Limits	
	Added	Found	Recovery	Added	Found	Recovery		Recovery	RPD
Perchlorate	20.0	18.576	93%	20.0	18.409	92%	1%	85-115	15

Associated Samples	
Lab Sample ID	**Client Sample ID**
CAB36-001	16LCMW01SW
CAB36-002	16LCMW435W
CAB36-004	16LCMW01DW
CAB36-005	16LCMW02SW
CAB36-006	16LCMW02DW

* = RPD or recovery is outside the established control limits

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

Laucks Testing Laboratories

BS/BSD Report

Test: 314.0 Perchlorate

BS Sample ID: S092407
BSD Sample ID: SD092407

SDG ID: CAB36
Preparation Date: 09/24/2007
Run Sequence ID: R021825
Analysis Date: 09/25/2007 09:30
Units: ug/L
Matrix Water

Analyte	Blank Spike			Blank Spike Duplicate			RPD	Limits	
	Added	Found	Recovery	Added	Found	Recovery		Recovery	RPD
Perchlorate	20.0	18.576	93%	20.0	18.409	92%	1%	85-115	15

Associated Samples	
Lab Sample ID	**Client Sample ID**
CAB36-001	16LCMW01SW
CAB36-002	16LCMW435W
CAB36-004	16LCMW01DW
CAB36-005	16LCMW02SW
CAB36-006	16LCMW02DW

* = RPD or recovery is outside the established control limits

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

Laucks Testing Laboratories

BS/BSD Report

Test:	415.1 Total Organic Carbon	SDG ID:	CAB36
		Preparation Date:	10/04/2007
BS Sample ID:	S100407TOCW01D	Run Sequence ID:	R022154
BSD Sample ID:	S100407TOCW01	Analysis Date:	10/04/2007 13:40
		Units:	mg/L
		Matrix	Water

Analyte	Blank Spike			Blank Spike Duplicate			RPD	Limits	
	Added	Found	Recovery	Added	Found	Recovery		Recovery	RPD
Organic Carbon, Total	10.0	9.6964	97%	10.0	9.6242	96%	1%	90-110	10

Associated Samples	
Lab Sample ID	**Client Sample ID**
CAB36-001	16LCMW01SW
CAB36-002	16LCMW435W
CAB36-004	16LCMW01DW
CAB36-005	16LCMW02SW
CAB36-006	16LCMW02DW
CAB36-007	16LCMW01SWF
CAB36-008	16LCMW435F
CAB36-009	16LCMW02SWF
CAB36-010	16LCMW01DWF
CAB36-011	16LCMW02DWF

* = RPD or recovery is outside the established control limits

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

Laucks Testing Laboratories

BS/BSD Report

Test:	415.1 Dissolved Organic Carbon	SDG ID:	CAB36
		Preparation Date:	10/04/2007
BS Sample ID:	S100407TOCW01D	Run Sequence ID:	R022154
BSD Sample ID:	S100407TOCW01	Analysis Date:	10/04/2007 13:40
		Units:	mg/L
		Matrix	Water

Analyte	Blank Spike			Blank Spike Duplicate			RPD	Limits	
	Added	Found	Recovery	Added	Found	Recovery		Recovery	RPD
Dissolved Organic Carbon	10.0	9.6964	97%	10.0	9.6242	96%	1%	90-100	10

Associated Samples	
Lab Sample ID	**Client Sample ID**
CAB36-001	16LCMW01SW
CAB36-002	16LCMW435W
CAB36-004	16LCMW01DW
CAB36-005	16LCMW02SW
CAB36-006	16LCMW02DW
CAB36-007	16LCMW01SWF
CAB36-008	16LCMW435F
CAB36-009	16LCMW02SWF
CAB36-010	16LCMW01DWF
CAB36-011	16LCMW02DWF

* = RPD or recovery is outside the established control limits

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

Laucks Testing Laboratories

Blank Spike Report

Test: 300.0 NO3, NO2, Cl, SO4

Lab Sample ID: S0918071

SDG ID: CAB36
Preparation Date: 09/18/2007
Run Sequence ID: R021638
Analysis Date: 09/18/2007 18:07
Matrix Water
Units: mg/L

Analyte	Spike Added	Found	% Recovery	Limit
Chloride	1.51	1.3948	92%	90-110
Nitrate - N	1.15	1.1139	97%	90-110
Nitrite - N	1.51	1.5703	104%	90-110
Sulfate as SO4	7.50	7.2075	96%	90-110

Associated Samples

Lab Sample ID	Client Sample ID
CAB36-001	16LCMW01SW
CAB36-002	16LCMW435W
CAB36-004	16LCMW01DW
CAB36-005	16LCMW02SW
CAB36-006	16LCMW02DW

* = Recovery exceeded the established control limit

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

Laucks Testing Laboratories

Blank Spike Report

Test: 415.1 Dissolved Organic Carbon

Lab Sample ID: S100407TOCW01D

SDG ID: CAB36
Preparation Date: 10/04/2007
Run Sequence ID: R022154
Analysis Date: 10/04/2007 13:40
Matrix Water
Units: mg/L

Analyte	Spike Added	Found	% Recovery	Limit
Dissolved Organic Carbon	10.0	9.6964	97%	70-119

Associated Samples

Lab Sample ID	Client Sample ID
CAB36-001	16LCMW01SW
CAB36-002	16LCMW435W
CAB36-004	16LCMW01DW
CAB36-005	16LCMW02SW
CAB36-006	16LCMW02DW
CAB36-007	16LCMW01SWF
CAB36-008	16LCMW435F
CAB36-009	16LCMW02SWF
CAB36-010	16LCMW01DWF
CAB36-011	16LCMW02DWF

* = Recovery exceeded the established control limit

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

Laucks Testing Laboratories

SRM Report

Test Name: 310.1M Carb./Bicarb. Alkalinity

Lab Sample ID: SRM-MIN-0638/639-70

SDG ID: CAB36
Preparation Date: 09/26/2007
Run Sequence ID: R021817
Analysis Date: 09/26/2007 17:00
Units: mg/L CaCO3
Matrix: Water

Analyte	Result	True Value	Control Limits	
			LCL	UCL
Alkalinity, Bicarbonate (As CaCO3)	104	104	90.6	111

Associated Samples	
Lab Sample ID	Client Sample ID
CAB36-001	16LCMW01SW
CAB36-002	16LCMW435W

* = Value exceeded established control limits

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

Laucks Testing Laboratories

SRM Report

Test Name: 310.1M Carb./Bicarb. Alkalinity

Lab Sample ID: SRM-MIN-0638/639-71

SDG ID: CAB36
Preparation Date: 09/26/2007
Run Sequence ID: R021817
Analysis Date: 09/26/2007 17:00
Units: mg/L CaCO3
Matrix: Water

Analyte	Result	True Value	Control Limits	
			LCL	UCL
Alkalinity, Bicarbonate (As CaCO3)	104	104	90.6	111

Associated Samples	
Lab Sample ID	Client Sample ID
CAB36-004	16LCMW01DW
CAB36-005	16LCMW02SW
CAB36-006	16LCMW02DW

* = Value exceeded established control limits

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

LAUCKS TESTING LABORATORIES

SAMPLE DATA PACKAGE

PBS ENGINEERING
&
ENVIRONMENTAL

SDG NO.: CAB37

November 8, 2007

LAUCKS TESTING LABORATORIES
940 S. Harney
Seattle, WA 98108

To: PBS Engineering & Environmental
Project Name: Camp Bonneville
SDG No.: CAB37
Date of Report: 11/8/2007

SAMPLE RECEIPT, IDENTIFICATION, AND GENERAL COMMENTS:

Sample Receipt and Identification:

The samples submitted under the laboratory number(s) indicated above were identified and analyzed as tabulated below. The samples were collected and received on the dates noted on the enclosed chain-of-custody copies, Attachment A.

Client Sample Identification	Laucks Sample Identification	Testing Analytical Request
Trip Blank	CAB37-001	VOA
16LCMW04SW	CAB37-002	VOA/SVOA/ORD/TPHG/TPHD/MET/INO
16LCMW04DW	CAB37-003	VOA/SVOA/ORD/TPHG/TPHD/MET/INO
16LCMW03DW	CAB37-004	VOA/SVOA/ORD/TPHG/TPHD/MET/INO
16LCMW03SW	CAB37-005	VOA/SVOA/ORD/TPHG/TPHD/MET/INO
16LCMW04SWF	CAB37-006	MET/DOC
16LCMW04DWF	CAB37-007	MET/DOC
16LCMW03SWF	CAB37-008	MET/DOC
16LCMW03DWF	CAB37-009	MET/DOC

Analytical Request Key:

VOA =	Volatile Organics (8260B)
SVOA =	Semi-Volatiles (8270D)
ORD =	Ordnance (8330)
	PETN/Nitroglycerin (8332)
	Picric Acid (LTL 8303)*
TPHD =	Total Petroleum Hydrocarbons-Diesel (NWTPH)
TPHG =	Total Petroleum Hydrocarbons-Gasoline (NWTPH)
MET =	Priority Pollutant Metals (6020/7470A)
INO =	Alkalinity, Carbonate and Bicarbonate (310.1M)
	Chloride, Nitrate, Nitrite, Sulfate (300.0)
	Total Organic Carbon (415.1M)*
	Total Suspended Solids (160.2)
	Ammonium Perchlorate (314.0)
	pH (150.1)
DOC =	Dissolved Organic Carbon (415.1)*

Picric/Picramic*:
We are accredited by NELAP for the attenuation compounds through our SOP LTL-8303 rev. 10 by EPA 8330.

TOC:
Singleton analysis was performed for this project as approved by the client. This modification is less expensive and meets project DQOs but does not meet NELAC guidelines.

Sample Receipt Comments:

The following discrepancies were noted in association with the receipt of these samples.

The temperature blank for one cooler was measured at a temperature below the control limit of 4°C ± 2°C. One of two 40mL (H3PO4) preserved vials for TOC analysis for sample Sample #3 (16LCMW04DW) was received broken. One of three volatiles bottles submitted for Sample #1 (trip blank) contained bubbles of less than 1/4 inch in size. The client was notified of these discrepancies via email.

GENERAL REMARKS ON ORGANIC ANALYSES:

The following comments describe general analysis conditions. For remarks specific to the samples reported in this case, see "SPECIFIC REMARKS ON ORGANIC ANALYSIS."

Manual Integrations:
One or more analytes may have been manually integrated on the data system quantitation reports. All manual integrations have been flagged, initialed, and dated by the analyst. A list of the manual integration flags is detailed below.

M	Manual integration due to irregular peak shape
MS	Manual integration due to split peak
MR	Manual integration due to retention time shift
MI	Manual integration of correct isomer
MT	Manual integration due to peak tailing
MB	Manual integration due to irregular baseline

Holding Time Compliance:

Volatile Organic Compounds:
The holding time is 14 days calculated from date of collection in both soil and water samples. All samples were analyzed within holding time.

Semi-Volatile Organic Compounds:
The holding time to extraction is 7 days in water and 14 days in soil calculated from the date of collection. In either case, the holding time from extraction to analysis is 40 days. Sample 16LCMW04SW was re-extracted outside of holding time (see detailed comments below). All other samples were extracted and analyzed within holding time .

Ordnance, PETN/Nitroglycerin, Picric Acid
The holding time to extraction is 7 days in water and 14 days in soil calculated from the date of collection. The holding time from extraction to analysis is 40 days. All samples were originally extracted within holding times, however, re-extraction for ordnance and picric/picramic acid were performed outside of holding times. See comments below. All samples were analyzed within holding time.

TPH Gasoline Fraction:
The holding time for analysis is 14 days in water and soil calculated from date of collection. All samples were analyzed within holding time.

TPH Diesel Fraction:
The holding time to extraction, which is calculated from the date of collection, is 7 days for water samples and 14 days for soil samples. In either case, the holding time from extraction to analysis is 40 days. All samples were extracted and analyzed within holding times.

Volatile Fraction (8260):

Initial Calibration Verification:
In the ICV performed on 9/27/2007 1,1-dichloroethene exceeded 25% due to decreased response and carbon disulfide exceeded 25% due to increased response. Because these analytes recovered within 20% in the daily second source S100107MVOWM2, no further action was taken.

Semivolatiles Fraction:

Second Source Calibration Verification (ICV):
Analysis of the ICV performed on 10/23/2007 yielded a %D value for 2,4-dinitrophenol that exceeded 25% due to increased response. This analyte was not detected in the associated samples, no action was taken. In addition, analysis of this ICV also yielded a %D value for benzidine that exceeded 25% due to decreased response. Benzidine is subject to oxidative losses during solvent concentration and poor chromatographic behavior. However, because sample results are reported well below the reporting limit (RL) the chance of reporting any false negatives for benzidine at the RL is negligible.

Continuing Calibration Verification (CCV):
Analysis of the CCV performed on 11/04/07 yielded %Ds for 4-nitrophenol and the surrogate nitrobenzene-d5 that exceeded 20% due to decrease in response. Reported results for the surrogate nitrobenzene-d5 may be biased low in the associated samples. In addition, because sample results are reported well below the reporting limit (RL) the chance of reporting any false negatives for 4-nitrophenol at the RL is negligible.

Analysis of the CCV performed on 11/05/07 yielded %Ds for bis(2-chloroisopropyl)ether and azobenzene that exceeded 20% due to decrease in response. In addition, this CCV also yielded %Ds for 2,4,5-trichlorophenol and 2,4-dinitrophenol that exceeded 20% due to increased response. Only the blank spike S103007MSVWLO was associated with this CCV; no action was taken.

Surrogate Recoveries:
Analysis of sample extract 16LCMW04SW yielded a low surrogate recovery for 2,4,6-tribromophenol. Corrective action in the form of re-extraction was performed for this sample on 10/30/07, 34 days

outside of holding time. Analysis of the re-extracted sample yielded all surrogate recoveries in control. Both sets of data have been submitted.

Quality Control Analyses:
MS/MSD analyses performed on sample extract 16LCMW04DW yielded low recoveries for hexachlorocyclopentadiene. MSD analysis also yielded low recoveries for 2,4-dinitrophenol, 4,6-dinitro-2-methylphenol and a zero recovery for benzoic acid. In addition, RPD values for several analytes exceeded the control limits. Because all recoveries were in control in the associated blank spike; no further action was taken.

Ordnance Fraction:

Blank Spike Analysis:
Analysis of the blank spike prepared on 09/26/2007 yielded low recoveries for HMX and RDX. The samples were re-extracted 5 days after the holding time expired. Analyses of the re-extracted samples yielded acceptable recovery results. Data from both analyses have been submitted.

PETN/Nitroglycerin Fraction:

Surrogate Recoveries:
Analyses of sample extracts 16LCMW03SW, 16LCMW03DW, 16LCMW04SW and blank spike S092607HORWLG2 yielded surrogate recoveries that exceeded the upper limit. Because the recoveries were high and there were no target analytes detected in any associated samples, no further action was taken.

Picric Acid Fraction:

Surrogate Recoveries:
Analysis of several extracts yielded surrogate recoveries that exceeded the upper control limit. All samples were reextracted and reanalyzed yielding all surrogate recoveries within the control limits.

Blank Spike Analysis:
Analysis of the blank spike prepared on 09/25/2007 yielded both analyte recoveries that were outside of the control limits. The surrogate recovery was also out of control. The samples were re-extracted 9 days after holding time had expired. Analyses of the re-extracted samples yielded acceptable recovery values. Data from both analyses have been submitted.

Quality Control Analyses:
MS/MSD analyses were performed on sample 16LCMW04DW. The recoveries and RPD values for all analytes were outside of the control limits. The samples were re-extracted 9 days after holding time had expired. However, there was insufficient sample available for MS/MSD reanalyses.

NWTPH Gasoline Fraction:

NWTPHG was used to quantitate the samples for gasoline. Gasoline range responses were determined by summing the responses of all components, resolved and unresolved, between toluene and naphthalene. Quantitation is based on average calibration factor.

Quality Control Analyses:
MS/MSD analyses were performed on sample 16LCMW04DW. All recoveries and relative percent differences were within the established limits.

All quality control parameters were met.

NWTPH Diesel Fraction:

NWTPH-Dx was used to quantitate the samples for diesel and oil. Diesel range responses were determined by summing the responses of all components, resolved and unresolved, between C_{12} and C_{24} integrated to a horizontal baseline. Oil range responses were determined by summing the responses of all components, resolved and unresolved, between C_{24} and C_{40} integrated to a horizontal baseline. Quantitation was based on a linear regression.

All quality control parameters were met.

GENERAL REMARKS ON INORGANIC ANALYSES:

The following comments describe general analysis conditions. For remarks specific to the samples reported in this case, see "SPECIFIC REMARKS ON INORGANIC ANALYSES."

ICP Metals:

On the first timed and dated page of each ICP-MS run, the data to be reported or rejected will be tabulated for that run.

Mercury:

Laucks purchases a 1000 mg/L Hg stock solution from Inorganic Ventures. The 1.0 mg/L working standard is made by diluting 25 µL to 50 mL with 0.15% HNO_3. The calibration curve is made by placing 0, 20, 50, 100, 200, 500 and 1000 µL of the working standard into the appropriate digestion vessels and diluting up to 50 mL. The standard curve is equivalent to 0, 0.2, 0.5, 1.0, 2.0, 5.0 and 10.0 µg/L.

SPECIFIC REMARKS ON INORGANIC ANALYSES:

Holding Time Compliance:

Laucks calculates holding time compliance for inorganic determinations using the date on which reportable data were acquired.

Metals:

The holding time for metals is six months from the date of collection, excepting mercury, which is 28 days. All analyses were performed within holding time.

Miscellaneous:

The following analytes do not have a Contract Laboratory Program holding time. The holding times tabulated below derive from the relevant EPA methods and are applicable when the sample was appropriately preserved and/or cooled. All samples submitted followed the preservation guidelines unless explicitly noted otherwise.

Analyte	Holding Time	Violations
Alkalinity	14 days	None
Chloride	28 days	None
Nitrate	48 hours	None
Nitrite	48 hours	None
Sulfate	28 days	None
Total Organic Carbon	28 days	None
Dissolved Organic Carbon	28 days	None
Total Suspended Solids	7 days	None
Perchlorate	28 days	None
pH	24 hours	None

ICP-MS Metals:

The scandium internal standard percent recoveries for all samples fell outside of the suggested control limits of 30-120%. Beryllium and chromium are associated with this internal standard. Therefore, results for beryllium and chromium for all samples were reported from a 5-fold dilution where the scandium internal standard is within the control limits.

For the run sequence R022517, CCV7 exceeded the control limit for chromium. No sample results for chromium were associated with this CCV, therefore no corrective action was required. Data have not been flagged for this event.

For the run sequence R022517, antimony was present in CCB9 at a level greater than 1/2 the CRDL. No sample results for antimony were associated with this CCB, therefore no further corrective action was required. Data have not been flagged for this event.

Cadmium and chromium were present in the batch preparation blank at a level greater than ½ the CRDL. All associated samples contained concentrations of cadmium and chromium that were less than the CRDL, therefore no further corrective action was required. Data have not been flagged for this event.

The serial dilution for the element zinc did not agree within 10% of the original determination after correction for dilution for samples 16LCMW04DW and 16LCMW04DWF. No further corrective action was required. All relevant data have been flagged with an "E" on the applicable Forms 1 and 9.

Mercury:

No comments.

Miscellaneous Inorganics:

For run sequence R022200, the relative percent difference for the matrix spike and matrix spike duplicate was outside the established control limits for the total organic carbon analysis. All other quality control elements were within control limits. Therefore, no further action was taken.

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940 S. Harney
Seattle, WA 98108

ABBREVIATIONS

Several abbreviations can appear in our reports. The most commonly employed abbreviations are as follows:

U The analyte of interest was not detected to the limit of detection indicated.

SDL Sample Detection Limit. The SDL can vary from sample to sample, depending on sample size, matrix interferences, moisture content and other sample-specific conditions.

PQL Practical Quantitation Limit. The limit is drawn from the test method and usually represents the SDL multiplied by a matrix-specific factor.

DB Dry Basis. The value reported has been back-calculated to normalize for the moisture content of the sample.

AR As-Received. The value has not been normalized for moisture.

ORGANIC ANALYSES:

B When used in relation to organics fractions, the "B" flag indicates that the analyte of interest was detected in the method blank associated with the sample, as well as in the sample itself. The "B" flag is applied without regard to the relative concentrations detected in the blank and sample.

J The analyte of interest was detected below the routine reporting limit. This value should be regarded as an estimate.

T The flagged values represent the SUM of two co-eluting compounds. The SUM of these two values is shown as though it were a result for each of them. The two figures should not be added together.

E The flagged value was reported from an analysis that exceeded the linear range of the instrument. See additional comments for further discussion of the circumstances. Values so flagged should be considered estimates.

P When a dual column GC technique is employed, this flag indicates that test results from the two columns differ by more than 25%. Generally, we report the higher value.

C The flagged analyte has been confirmed by GC/MS analysis. The value reported may be derived from either the initial of confirmatory (GC/MS) analysis. See specific report comments for details.

CRQL Client requested Quantitation Limit, usually the limit of detection specified at your request. Might also be referred to as Contract Required Quantitation Limit.

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INORGANIC ANALYSES:

J 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). If the analyte was analyzed for but not detected, a "U" shall be entered.

E The reported value is estimated because of the presence of interference. The serial dilution was not within control limits.

N Spiked sample recovery not within control limits.

* Duplicate analysis not within control limits.

CRDL Client Requested Detection Limit, usually the limit of detection specified at your request. Might also be referred to as Contract Required Detection Limit.

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940 S. Harney
Seattle, WA 98108

RELEASE OF DATA

Laucks certifies that these results meet all requirements of the NELAC standards, except where otherwise noted.

"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 his designee, as verified by the following signature."

Respectfully submitted,

Kara Godineaux
Project Manager
11/8/07
(DATE)

Harry Romberg
Quality Assurance Officer
11/8/07
(DATE)

HOW TO CONTACT US:

All Laucks Testing Laboratories staff members can be reached at the same telephone and facsimile numbers: (206) 767-5060 by phone, (206) 767-5063 by FAX.

REQUESTS FOR DUPLICATE COPIES:

This packet has been checked for accuracy. All pages are present and in sequential order. Please see Attachment B for a detailed record.

In the event that duplicate data copies are needed, Laucks will accommodate your request at a fee of twenty-five cents ($0.25) per copy, plus shipping. If the data are in storage, there will also be a fee for retrieval.

LAUCKS TESTING LABORATORIES
940 S. Harney
Seattle, WA 98108

ATTACHMENT A

Chain-of-Custody Copies

LAUCKS TESTING LABORATORIES, INC. - SAMPLE CONFIRMATION LOG

Sample ID (SDG-#)	VTSR	Collected On	Client ID	150.1 pH, Water	160.2 Total Suspended Solids	300.0 NO3, NO2, Cl, SO4	310.1M Carb./Bicarb. Alkalinity	314.0 Perchlorate	415.1 Dissolved Organic Carbon	415.1 Total Organic Carbon	6020 Diss. Priority Pollutant Metals	6020 Total Priority Pollutant Metals	7470 Diss. Mercury	7470 Total Mercury	8260B VOCs (LTL Routine)	8270C SVOCs (LTL Routine, 2-pH)	8330 Explosives Residues	8332 Nitroglycerin & PETN	LTL8303 Picric Acid	NWTPH Diesel	NWTPH Gas
CAB37-001	09/20/2007 09:15 AM	09/19/2007 12:00 AM	Trip Blank												IN						
CAB37-002	09/20/2007 09:15 AM	09/19/2007 10:15 AM	16LCMW04SW	A-	A-	A-	IN	IN		IN		IN		IN	IN	IN	IN	IN	IN	IN	IN
*CAB37-003	09/20/2007 09:15 AM	09/19/2007 12:00 PM	16LCMW04DW	A-	A-	A-	IN	IN		IN		IN		IN	IN	IN	IN	IN	IN	IN	IN
CAB37-004	09/20/2007 09:15 AM	09/19/2007 03:15 PM	16LCMW03DW	A-	A-	A-	IN	IN		IN		IN		IN	IN	IN	IN	IN	IN	IN	IN
CAB37-005	09/20/2007 09:15 AM	09/19/2007 04:40 PM	16LCMW03SW	A-	A-	A-	IN	IN		IN		IN		IN	IN	IN	IN	IN	IN	IN	IN
CAB37-006	09/20/2007 09:15 AM	09/19/2007 10:15 AM	16LCMW04SWF						IN		IN		IN								
*CAB37-007	09/20/2007 09:15 AM	09/19/2007 12:00 PM	16LCMW04DWF						IN		IN		IN								
CAB37-008	09/20/2007 09:15 AM	09/19/2007 04:40 PM	16LCMW03SWF						IN		IN		IN								
CAB37-009	09/20/2007 09:15 AM	09/19/2007 03:15 PM	16LCMW03DWF						IN		IN		IN								

Approved By: Mara Godinez On: 9/20/07

Notes:

Samples identified with a '*' client has requested QC for

LEGEND: -:Started , +:Completed , IN:Logged In , P:Preparation , A:Analysis , X:Cancelled, PL:Pre-logged

FORM LTL-PM-8.0

4233

CHAIN OF CUSTODY RECORD

44365

SDG # GAB37

PAGE 1 OF 1

Laucks Testing Laboratories, Inc. 14

SUBMITTED AT: ☒ 940 South Harney St., Seattle, WA 98108 (206) 767-5060 FAX 767-5063
☐ 1106 Ledwich Ave., Yakima, WA 98902 (509) 248-4695 FAX 452-1265

WORK ORDER ID# _____

THIS INFORMATION WILL BE USED FOR REPORTING/BILLING (SEE BELOW)

COMPANY: PBS ENG + ENV.
ADDRESS: 4412 SW CORBETT
PORTLAND OR 97239
ATTENTION: DREW HARVEY
PROJECT NAME: CAMP BONNEVILLE
PROJECT CONTACT: DREW HARVEY
TELEPHONE: 503-417-7693 FAX: _____
JOB/P.O. NO.: 70489.000 T6208

TESTS TO PERFORM

LAB SA#	SAMPLE ID / LOCATION	DATE	TIME	MATRIX: WATER, SOIL OR SPECIFY	NO. OF CONTAINERS	VOCs by 8260	EXPLOSIVES	RETN/NG	SVOCs	TOTAL METALS + Hg	*DISS METALS + Hg	NWTPH-GX	NWTPH-DX	PERCHLORATE	TOC	*DOC	TSS/ALK./IONS/pH	PICRIC ACID	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
001	TRIP BLANK	9/19/07	—	W	1	X	X												
002	16LCMW04SW	9/19/07	10:15	W	24	X	X	X	X	X	X	X	X	X	X	X	X	X	*field filtered
003	16LCMW04DW	9/19/07	12:00	W	3	X													(4 MS/MSD
003+	MS/MSD	9/19/07	12:00	W	3	X													(taken @ 04D)
*005	16LCMW03DW	9/19/07	15:15	W	3	X													*LAB SA# 004
*006	16LCMW03SW	9/19/07	16:40	W	3	X													*LAB SA# 005
006																			*16LCMW04SWF
																			Filtered Samples
																			-DC 9/20/07

A. A standard turnaround time is assumed unless otherwise marked.

B. The laboratory may not be responsible for missed holding time for samples received with less than 50% of the analytical hold time remaining. Please contact the laboratory for further information.

INSTRUCTIONS

1. USE ONE LINE PER SAMPLE.
2. BE SPECIFIC IN TEST REQUESTS.
3. CHECK OFF TESTS TO BE PERFORMED FOR EACH SAMPLE.

*** BILLING INFORMATION IF DIFFERENT THAN ABOVE**

NAME ADDRESS

ATTN: CITY, STATE, ZIP

*** RUSH TURNAROUND IS SUBJECT TO PRIOR LABORATORY APPROVAL**

TOTAL NO. OF CONTAINERS

TURNAROUND REQUEST
☒ STD. 10-14 WORKING DAYS
* ☐ 24-48 HRS. (100% SUR)
* ☐ 72 HRS. (75% SUR)
* ☐ 5 DAYS (50% SUR)
☐ OTHER: _____
☐ TEMP: _____
CUSTODY SEAL: ☐ Y ☐ N ☐ N/A

RELINQUISHED BY (SIGN AND PRINT)	DATE / TIME	RECEIVED BY (SIGN AND PRINT)	DATE / TIME
Barb Lary PBS BARB LARY	9/19/07 5:00pm	David Chang	9/20/07 915

Finance Charges and/or Collection Fees may be applied to delinquent accounts.

FINAL REPORT COPY

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THIS INFORMATION WILL BE USED FOR REPORTING/BILLING (SEE BELOW)

COMPANY: PBS ENG. + ENV.
ADDRESS: 4412 SW CORBETT
PTLD. OR 97239
ATTENTION: DREW HARVEY
PROJECT NAME: CAMP BONNEVILLE
PROJECT CONTACT: DREW HARVEY
TELEPHONE: 503-417-7693 FAX:
JOB/P.O. NO.: 70489.00 T6208

CHAIN OF CUSTODY RECORD 44366

SDG # CAB37

PAGE 1 OF 1

WORK ORDER ID#

SUBMITTED AT:

Laucks Testing Laboratories, Inc.

☐ 940 South Harney St., Seattle, WA 98108 (206) 767-5060 FAX 767-5063
☐ 1106 Ledwich Ave., Yakima, WA 98902 (509) 248-4695 FAX 452-1265

15

LAB SA#	SAMPLE ID / LOCATION	DATE	TIME	MATRIX: WATER, SOIL OR SPECIFY	NO. OF CONTAINERS	SVOCs	EXPL.	PETN/NG	Total Metals (4)	*Diss. Metals (4)	Picric Acid	NWTPH-Dx	NWTPH-Gx	TOC	*DOC	Perchlorate	TSS/Alk/Ions (4)				OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
003	MS/MSD	9/19/07	12:00	W	21	X	X	X	X	X	X	X	X	X	X	X	X				*field filtered
007																					*IGLCMW01DWF
																					Filtered Samples
																					+ MS/MSD - DO 9/20/07

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TOTAL NO. OF CONTAINERS

TURNAROUND REQUEST

☒ STD. 10-14 WORKING DAYS
* ☐ 24-48 HRS. (100% SUR)
* ☐ 72 HRS. (75% SUR)
* ☐ 5 DAYS (50% SUR)
☐ OTHER:
☐ TEMP:
CUSTODY SEAL: ☐ Y ☐ N ☐ N/A

RELINQUISHED BY (SIGN AND PRINT)	DATE / TIME	RECEIVED BY (SIGN AND PRINT)	DATE / TIME
Barb Lary PBS / BARB LARY	9/19/07 5:00pm	/ David Chang	9/20/07 915
/		/	

Finance Charges and/or Collection Fees may be applied to delinquent accounts.

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CHAIN OF CUSTODY RECORD

44407

SDG # CAB37

PAGE 1 OF 1

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☐ 1806 Ledwich Ave., Yakima, WA 98902 (509) 248-4695 FAX 452-1265

WORK ORDER ID# _____ **SUBMITTED AT:**

THIS INFORMATION WILL BE USED FOR REPORTING/BILLING (SEE BELOW)

COMPANY: PBS ENG.+ ENV.

ADDRESS: 4412 SW CORBETT
PTLD. OR 97239

ATTENTION: DREW HARVEY

PROJECT NAME: CAMP BONNEVILLE

PROJECT CONTACT: DREW HARVEY

TELEPHONE: 503-417-7693 FAX:

JOB/P.O. NO.: 70489.00 T6208

TESTS TO PERFORM

LAB SA#	SAMPLE ID / LOCATION	DATE	TIME	MATRIX: WATER, SOIL OR SPECIFY	NO. OF CONTAINERS	EXPLOSIVES	PCB'S/NG	SVOCs	Total Metals + Hg	*Diss. Metals	NWTPH-Gx	NWTPH-Dx	Perchlorate	TOC	*DOC	TSS/Alk./Ions+pH	Picric Acid				OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
003	16LCMW04DW	9/19/07	12:00	W	21	X	X	X	X	X	X	X	X	X	X	X	X				*field filtered
007																					*16LCMW04DWF
																					Filtered Samples
																					-DC 9/20/07

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NAME ADDRESS

ATTN: CITY, STATE, ZIP

*** RUSH TURNAROUND IS SUBJECT TO PRIOR LABORATORY APPROVAL**

TOTAL NO. OF CONTAINERS

TURNAROUND REQUEST

☑ STD. 10-14 WORKING DAYS

* ☐ 24-48 HRS. (100% SUR)
* ☐ 72 HRS. (75% SUR)
* ☐ 5 DAYS (50% SUR)
☐ OTHER:
☐ TEMP:

CUSTODY SEAL: ☐ Y ☐ N ☐ N/A

RELINQUISHED BY (SIGN AND PRINT)	DATE / TIME	RECEIVED BY (SIGN AND PRINT)	DATE / TIME
Barb Lary PBS / BARB LARY	9/19/07 5:00pm		

Finance Charges and/or Collection Fees may be applied to delinquent accounts.

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CHAIN OF CUSTODY RECORD

SDG # CAB37

44367

PAGE 1 OF 1

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1109 Ledwich Ave., Yakima, WA 98902 (509) 248-4695 FAX 452-1265

WORK ORDER ID# _____ SUBMITTED AT: ☒

THIS INFORMATION WILL BE USED FOR REPORTING/BILLING* (SEE BELOW)

COMPANY: PBS ENG. & ENV.

ADDRESS: 4412 SW CORBETT
PTLD. OR 97239

ATTENTION: DREW HARVEY

PROJECT NAME: CAMP BONNEVILLE

PROJECT CONTACT: DREW HARVEY

TELEPHONE: 503-417-7693 FAX: _____

JOB/P.O. NO.: 70489.00 T6208

TESTS TO PERFORM

LAB SA#	SAMPLE ID / LOCATION	DATE	TIME	MATRIX: WATER, SOIL OR SPECIFY	NO. OF CONTAINERS	EXPLOSIVES	8VOCS	PCB'S/PCN'S	PIC.PIC. ACID	TOTAL METALS	*DISS. METALS	NWTPH-GX	NWTPH-DX	TOC	*DOC	BROMIDE/CHLORIDE	TSS/ALK/IONS		OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
004	16LCMW03DW	9/19/07	1515	W	21														*Field filtered.
009																			*16LCMW03DWF
																			filtered samples
																			DC 9/20/07

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*** BILLING INFORMATION, IF DIFFERENT THAN ABOVE**

NAME ADDRESS

ATTN: CITY, STATE, ZIP

*** RUSH TURNAROUND IS SUBJECT TO PRIOR LABORATORY APPROVAL**

TOTAL NO. OF CONTAINERS _____

TURNAROUND REQUEST

☒ STD. 10-14 WORKING DAYS

* ☐ 24-48 HRS. (100% SUR)

* ☐ 72 HRS. (75% SUR)

* ☐ 5 DAYS (50% SUR)

☐ OTHER: _____

☐ TEMP: _____

CUSTODY SEAL: ☐ Y ☐ N ☐ N/A

RELINQUISHED BY (SIGN AND PRINT)	DATE / TIME	RECEIVED BY (SIGN AND PRINT)	DATE / TIME
Barb Lacy PBS / BARB LACY	9/19/07 5:00pm	David Chang	9/20/07 915

Finance Charges and/or Collection Fees may be applied to delinquent accounts.

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CHAIN OF CUSTODY RECORD

44354

SDG # CAB37

PAGE 1 OF 1

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940 South Harney St., Seattle, WA 98108 (206) 767-5060 FAX 767-5063
1106 Ledwich Ave., Tacoma, WA 98402 (509) 248-4695 FAX 452-1265

WORK ORDER ID# _____ SUBMITTED AT: X

THIS INFORMATION WILL BE USED FOR REPORTING/BILLING (SEE BELOW)

COMPANY: PBS ENG. & ENV.
ADDRESS: 4412 CORBETT
PTLD. OR 97239
ATTENTION: DREW HARVEY
PROJECT NAME: CAMP BONNEVILLE
PROJECT CONTACT: DREW HARVEY
TELEPHONE: 503-417-7693 FAX
JOB/P.O. NO.: 70489.000 T6208

TESTS TO PERFORM

LAB SAF	SAMPLE ID / LOCATION	DATE	TIME	MATRIX: WATER, SOIL OR SPECIFY	NO. OF CONTAINERS	Explosives	Perchlorate	SVOCs	Radio Acid	Total Mercury	Total Metals	TOC	DOC	Nitrate-Nitrite	Alkalinity	TSS/alk./ions	Reserve/Hold				OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
005	16LCMW03SW	9/19/07	16:40	W	21	X	X	X	X	X	X	X	X	X	X	X	X				
006																					*16LCMW03SWF
																					Filtered Samples
																					-DC 9/20/07

A. A standard turnaround time is assumed unless otherwise marked.

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BILLING INFORMATION, IF DIFFERENT THAN ABOVE

NAME ADDRESS

ATTN: CITY, STATE, ZIP

*** RUSH TURNAROUND IS SUBJECT TO PRIOR LABORATORY APPROVAL**

TOTAL NO. OF CONTAINERS

TURNAROUND REQUEST

- [X] STD. 10-14 WORKING DAYS
- * [ ] 24-48 HRS. (100% SUR)
- * [ ] 72 HRS. (75% SUR)
- * [ ] 5 DAYS (50% SUR)
- [ ] OTHER:
- [ ] TEMP:

CUSTODY SEAL: [ ] Y [ ] N [ ] N/A

RELINQUISHED BY (SIGN AND PRINT)	DATE / TIME	RECEIVED BY (SIGN AND PRINT)	DATE / TIME
Scott Lay PBS/BARB	9/19/07 5:00pm	David Chang	9/20/07 915

Finance Charges and/or Collection Fees may be applied to delinquent accounts.

FINAL REPORT COPY

Cooler Receipt Form
Laucks Testing Laboratories, Inc.

SDG: CAB37 Taken By: CLIENT

Cooler: AAD454 Transferred: FED EX

COC #: 44366

Project: Camp Bonneville (PBS Engineering and Environmental)

Date samples were received at the laboratory: **9/20/2007**

Date cooler was opened: **9/20/2007 9:15AM**

A. PRELIMINARY EXAMINATION PHASE:

1. Did cooler come with a shipping slip (airbill, etc.)? ..... **YES**
   if YES, record carrier name and airbill number: **795503666208**
2. Were custody seals unbroken and intact at the date and time of arrival? ..... **INTACT**
   Date On Custody Seal: Custody Seals Description: **ONE IN FRONT**
3. Were custody papers sealed in a plastic bag and taped inside to the lid? ..... **YES**
4. Did you screen samples for radioactivity using the Geiger Counter? ..... **NO**
5. Were custody papers filled out properly (ink, signed, etc.)? ..... **YES**
6. Did you sign custody papers in the appropriate place? ..... **YES**
7. If required, was enough cooling material present? ..... **YES**
8. Have designated person initial here to acknowledge receipt of cooler: DDC

B. LOG-IN PHASE: Date samples were logged-in: **9/20/2007 9:25AM**

Logged-in by David Duk-Su-Chang (sign)

9. Describe type of packing in cooler:

   ICE

10. Were all bottles sealed in separate plastic bags? ..... **YES**
11. Were labels in good condition? ..... **YES**
12. Were all bottle labels complete (ID,date,time signature,preservative,etc.)? ..... **YES**
13. Did all bottle labels agree with custody papers? ..... **YES**
14. Were correct containers used for the tests indicated? ..... **YES**
15. Were the correct pHs observed? ..... **YES**
16. Was a sufficient amount of sample sent for tests indicated? ..... **YES**
17. Were bubbles absent in VOA samples? ..... **YES**
18. Temperatures: **1.8**

DISCREPANCIES:

SAMPLE 003: ONE OF TWO 40 ML H3PO4 PRESERVED BOTTLES FOR TOC ANALYSIS RECEIVED BROKEN.

Cooler Receipt Form
Laucks Testing Laboratories, Inc.

SDG: CAB37 Taken By: CLIENT

Cooler: AAD665 Transferred: FED EX

COC #: 44365

Project: Camp Bonneville (PBS Engineering and Environmental)

Date samples were received at the laboratory: **9/20/2007**

Date cooler was opened: **9/20/2007 9:15AM**

A. PRELIMINARY EXAMINATION PHASE:

1. Did cooler come with a shipping slip (airbill, etc.)? ..... **YES**
   if YES, record carrier name and airbill number: **862054469037**
2. Were custody seals unbroken and intact at the date and time of arrival? ..... **INTACT**
   Date On Custody Seal: Custody Seals Description: **ONE IN FRONT**
3. Were custody papers sealed in a plastic bag and taped inside to the lid? ..... **YES**
4. Did you screen samples for radioactivity using the Geiger Counter? ..... **NO**
5. Were custody papers filled out properly (ink, signed, etc.)? ..... **YES**
6. Did you sign custody papers in the appropriate place? ..... **YES**
7. If required, was enough cooling material present? ..... **YES**
8. Have designated person initial here to acknowledge receipt of cooler: DDC

B. LOG-IN PHASE: Date samples were logged-in: **9/20/2007 9:25AM**

Logged-in by David Duk-Su-Chang (sign) _____

9. Describe type of packing in cooler:

   ICE

10. Were all bottles sealed in separate plastic bags? ..... **YES**
11. Were labels in good condition? ..... **YES**
12. Were all bottle labels complete (ID,date,time signature,preservative,etc.)? ..... **YES**
13. Did all bottle labels agree with custody papers? ..... **YES**
14. Were correct containers used for the tests indicated? ..... **YES**
15. Were the correct pHs observed? ..... **YES**
16. Was a sufficient amount of sample sent for tests indicated? ..... **YES**
17. Were bubbles absent in VOA samples? ..... **NO**
18. Temperatures: **5.9**

DISCREPANCIES:

Cooler Receipt Form
Laucks Testing Laboratories, Inc.

SDG: CAB37 Taken By: CLIENT

Cooler: AAD697 Transferred: FED EX

COC #: 44354

Project: Camp Bonneville (PBS Engineering and Environmental)

Date samples were received at the laboratory: **9/20/2007**

Date cooler was opened: **9/20/2007 9:15AM**

A. PRELIMINARY EXAMINATION PHASE:

1. Did cooler come with a shipping slip (airbill, etc.)? ..... **YES**
   if YES, record carrier name and airbill number: **862054469037**
2. Were custody seals unbroken and intact at the date and time of arrival? ..... **INTACT**
   Date On Custody Seal: Custody Seals Description: **ONE IN FRONT**
3. Were custody papers sealed in a plastic bag and taped inside to the lid? ..... **YES**
4. Did you screen samples for radioactivity using the Geiger Counter? ..... **NO**
5. Were custody papers filled out properly (ink, signed, etc.)? ..... **YES**
6. Did you sign custody papers in the appropriate place? ..... **YES**
7. If required, was enough cooling material present? ..... **YES**
8. Have designated person initial here to acknowledge receipt of cooler: DDC

B. LOG-IN PHASE:

Date samples were logged-in: **9/20/2007 9:25AM**

Logged-in by David Duk-Su-Chang (sign) _____

9. Describe type of packing in cooler:

   ICE

10. Were all bottles sealed in separate plastic bags? ..... **YES**
11. Were labels in good condition? ..... **YES**
12. Were all bottle labels complete (ID,date,time signature,preservative,etc.)? ..... **YES**
13. Did all bottle labels agree with custody papers? ..... **YES**
14. Were correct containers used for the tests indicated? ..... **YES**
15. Were the correct pHs observed? ..... **YES**
16. Was a sufficient amount of sample sent for tests indicated? ..... **YES**
17. Were bubbles absent in VOA samples? ..... **YES**
18. Temperatures: **2.3**

DISCREPANCIES:

Cooler Receipt Form
Laucks Testing Laboratories, Inc.

SDG: CAB37 Taken By: CLIENT

Cooler: AAK590 Transferred: FED EX

COC #: 44407

Project: Camp Bonneville (PBS Engineering and Environmental)

Date samples were received at the laboratory: **9/20/2007**

Date cooler was opened: **9/20/2007 9:15AM**

A. PRELIMINARY EXAMINATION PHASE:

1. Did cooler come with a shipping slip (airbill, etc.)? ..... **YES**
   if YES, record carrier name and airbill number: **862054469037**
2. Were custody seals unbroken and intact at the date and time of arrival? ..... **INTACT**
   Date On Custody Seal: Custody Seals Description: **ONE IN FRONT**
3. Were custody papers sealed in a plastic bag and taped inside to the lid? ..... **YES**
4. Did you screen samples for radioactivity using the Geiger Counter? ..... **NO**
5. Were custody papers filled out properly (ink, signed, etc.)? ..... **YES**
6. Did you sign custody papers in the appropriate place? ..... **YES**
7. If required, was enough cooling material present? ..... **YES**
8. Have designated person initial here to acknowledge receipt of cooler: DC

B. LOG-IN PHASE:

Date samples were logged-in: **9/20/2007 9:25AM**

Logged-in by David Duk-Su-Chang (sign)

9. Describe type of packing in cooler:

   ICE

10. Were all bottles sealed in separate plastic bags? ..... **YES**
11. Were labels in good condition? ..... **YES**
12. Were all bottle labels complete (ID,date,time signature,preservative,etc.)? ..... **YES**
13. Did all bottle labels agree with custody papers? ..... **YES**
14. Were correct containers used for the tests indicated? ..... **YES**
15. Were the correct pHs observed? ..... **YES**
16. Was a sufficient amount of sample sent for tests indicated? ..... **YES**
17. Were bubbles absent in VOA samples? ..... **YES**
18. Temperatures: **3.2**

DISCREPANCIES:

Cooler Receipt Form
Laucks Testing Laboratories, Inc.

SDG: CAB37 Taken By: CLIENT

Cooler: AAP097 Transferred: FED EX

COC #: 44367

Project: Camp Bonneville (PBS Engineering and Environmental)

Date samples were received at the laboratory: **9/20/2007**

Date cooler was opened: **9/20/2007 9:15AM**

A. PRELIMINARY EXAMINATION PHASE:

1. Did cooler come with a shipping slip (airbill, etc.)? ..... **YES**
   if YES, record carrier name and airbill number: **862054469037**
2. Were custody seals unbroken and intact at the date and time of arrival? ..... **ABSENT**
   Date On Custody Seal: Custody Seals Description:
3. Were custody papers sealed in a plastic bag and taped inside to the lid? ..... **YES**
4. Did you screen samples for radioactivity using the Geiger Counter? ..... **NO**
5. Were custody papers filled out properly (ink, signed, etc.)? ..... **YES**
6. Did you sign custody papers in the appropriate place? ..... **YES**
7. If required, was enough cooling material present? ..... **YES**
8. Have designated person initial here to acknowledge receipt of cooler: DJC

B. LOG-IN PHASE:

Date samples were logged-in: **9/20/2007 9:25AM**

Logged-in by David Duk-Su-Chang (sign)

9. Describe type of packing in cooler:

   ICE

10. Were all bottles sealed in separate plastic bags? ..... **YES**
11. Were labels in good condition? ..... **YES**
12. Were all bottle labels complete (ID,date,time signature,preservative,etc.)? ..... **YES**
13. Did all bottle labels agree with custody papers? ..... **YES**
14. Were correct containers used for the tests indicated? ..... **YES**
15. Were the correct pHs observed? ..... **YES**
16. Was a sufficient amount of sample sent for tests indicated? ..... **YES**
17. Were bubbles absent in VOA samples? ..... **YES**
18. Temperatures: **4.9**

DISCREPANCIES:

Supplemental Sample Receipt Log
Laucks Testing Laboratories

SDG: CAB37
Cooler: AAD454
Temperatures: 1.8
COC #: 44366

Sample	Bottle #	Bottle Description	pH	Bubbles
CAB37-003	0007	1000 mL boston round, amber glass	7	N/A
	0008	1000 mL boston round, amber glass	7	N/A
	0009	1000 mL boston round, amber glass	7	N/A
	0010	1000 mL boston round, amber glass	7	N/A
	0011	1000 mL boston round, amber glass	7	N/A
	0012	1000 mL boston round, amber glass	7	N/A
	0013	1000 mL boston round, amber glass	7	N/A
	0014	1000 mL boston round, amber glass	7	N/A
	0015	1000 mL cylinder, poly	7	N/A
	0016	1000 mL cylinder, poly, HNO3	<2	N/A
	0017	40 ml OTWS, clear glass, H3PO4	N/C	N/A
	0018	40 ml OTWS, clear glass, HCl	N/C	None
	0019	40 ml OTWS, clear glass, HCl	N/C	None
	0020	40 ml OTWS, clear glass, HCl	N/C	None
	0021	500 ml boston round, clear glass, HCl	<2	N/A
	0022	500 ml boston round, clear glass, HCl	<2	N/A
	0023	500 ml cylinder, poly	7	N/A
CAB37-007	0001	1000 mL cylinder, poly, HNO3 Filtered	<2	N/A
	0002	40 ml OTWS, clear glass, H3PO4	N/C	N/A
	0003	40 ml OTWS, clear glass, H3PO4	N/C	N/A

Allowable temperature and pH ranges (neutral pH defined as a value between 5 and 9)

Temperature	Allowable temperature range is 4+/- 2 degrees Celsius
Acid Preserved pH	pH must be less than 2
Base Preserved pH	pH must be greater than 12
NC	Not Checked for pH

Supplemental Sample Receipt Log
Laucks Testing Laboratories

SDG: CAB37
Cooler: AAD665
Temperatures: 5.9
COC #: 44365

Sample	Bottle #	Bottle Description	pH	Bubbles
CAB37-001	0001	40 ml OTWS, clear glass, HCl	N/C	< 1/4
CAB37-002	0001	1000 mL boston round, amber glass	7	N/A
	0002	1000 mL boston round, amber glass	7	N/A
	0003	1000 mL boston round, amber glass	7	N/A
	0004	1000 mL boston round, amber glass	7	N/A
	0005	1000 mL boston round, amber glass	7	N/A
	0006	1000 mL boston round, amber glass	7	N/A
	0007	1000 mL boston round, amber glass	7	N/A
	0008	1000 mL boston round, amber glass	7	N/A
	0009	1000 mL cylinder, poly	7	N/A
	0010	1000 mL cylinder, poly, HNO3	<2	N/A
	0011	40 ml OTWS, clear glass, H3PO4	N/C	N/A
	0012	40 ml OTWS, clear glass, H3PO4	N/C	N/A
	0013	40 ml OTWS, clear glass, HCl	N/C	None
	0014	40 ml OTWS, clear glass, HCl	N/C	None
	0015	40 ml OTWS, clear glass, HCl	N/C	None
	0016	40 ml OTWS, clear glass, HCl	N/C	None
	0017	40 ml OTWS, clear glass, HCl	N/C	None
	0018	40 ml OTWS, clear glass, HCl	N/C	None
	0019	500 ml boston round, clear glass, HCl	<2	N/A
	0020	500 ml boston round, clear glass, HCl	<2	N/A
	0021	500 ml cylinder, poly	7	N/A
CAB37-003	0001	40 ml OTWS, clear glass, HCl	N/C	None
	0002	40 ml OTWS, clear glass, HCl	N/C	None
	0003	40 ml OTWS, clear glass, HCl	N/C	None
	0004	40 ml OTWS, clear glass, HCl	N/C	None
	0005	40 ml OTWS, clear glass, HCl	N/C	None
	0006	40 ml OTWS, clear glass, HCl	N/C	None
CAB37-004	0001	40 ml OTWS, clear glass, HCl	N/C	None
	0002	40 ml OTWS, clear glass, HCl	N/C	None
	0003	40 ml OTWS, clear glass, HCl	N/C	None

Allowable temperature and pH ranges (neutral pH defined as a value between 5 and 9)

Temperature	Allowable temperature range is 4+/- 2 degrees Celsius
Acid Preserved pH	pH must be less than 2
Base Preserved pH	pH must be greater than 12
NC	Not Checked for pH

Supplemental Sample Receipt Log
Laucks Testing Laboratories

SDG: CAB37

Cooler: AAD665

Temperatures: 5.9

COC #: 44365

Sample	Bottle #	Bottle Description	pH	Bubbles
CAB37-005	0001	40 ml OTWS, clear glass, HCl	N/C	None
	0002	40 ml OTWS, clear glass, HCl	N/C	None
	0003	40 ml OTWS, clear glass, HCl	N/C	None
CAB37-006	0001	1000 mL cylinder, poly, HNO3 Filtered	<2	N/A
	0002	40 ml OTWS, clear glass, H3PO4	N/C	N/A
	0003	40 ml OTWS, clear glass, H3PO4	N/C	N/A

Allowable temperature and pH ranges (neutral pH defined as a value between 5 and 9)

Temperature	Allowable temperature range is 4+/- 2 degrees Celsius
Acid Preserved pH	pH must be less than 2
Base Preserved pH	pH must be greater than 12
NC	Not Checked for pH

Supplemental Sample Receipt Log
Laucks Testing Laboratories

SDG: CAB37
Cooler: AAD697
Temperatures: 2.3
COC #: 44354

Sample	Bottle #	Bottle Description	pH	Bubbles
CAB37-005	0004	1000 mL boston round, amber glass	7	N/A
	0005	1000 mL boston round, amber glass	7	N/A
	0006	1000 mL boston round, amber glass	7	N/A
	0007	1000 mL boston round, amber glass	7	N/A
	0008	1000 mL boston round, amber glass	7	N/A
	0009	1000 mL boston round, amber glass	7	N/A
	0010	1000 mL boston round, amber glass	7	N/A
	0011	1000 mL boston round, amber glass	7	N/A
	0012	1000 mL cylinder, poly	7	N/A
	0013	1000 mL cylinder, poly, HNO3	<2	N/A
	0014	40 ml OTWS, clear glass, H3PO4	N/C	N/A
	0015	40 ml OTWS, clear glass, H3PO4	N/C	N/A
	0016	40 ml OTWS, clear glass, HCl	N/C	None
	0017	40 ml OTWS, clear glass, HCl	N/C	None
	0018	40 ml OTWS, clear glass, HCl	N/C	None
	0019	500 ml boston round, clear glass, HCl	<2	N/A
	0020	500 ml boston round, clear glass, HCl	<2	N/A
	0021	500 ml cylinder, poly	7	N/A
CAB37-008	0001	1000 mL cylinder, poly, HNO3 Filtered	<2	N/A
	0002	40 ml OTWS, clear glass, H3PO4	N/C	N/A
	0003	40 ml OTWS, clear glass, H3PO4	N/C	N/A

Allowable temperature and pH ranges (neutral pH defined as a value between 5 and 9)

Temperature	Allowable temperature range is 4+/- 2 degrees Celsius
Acid Preserved pH	pH must be less than 2
Base Preserved pH	pH must be greater than 12
NC	Not Checked for pH

Supplemental Sample Receipt Log
Laucks Testing Laboratories

SDG: CAB37
Cooler: AAK590
Temperatures: 3.2
COC #: 44407

Sample	Bottle #	Bottle Description	pH	Bubbles
CAB37-003	0024	1000 mL boston round, amber glass	7	N/A
	0025	1000 mL boston round, amber glass	7	N/A
	0026	1000 mL boston round, amber glass	7	N/A
	0027	1000 mL boston round, amber glass	7	N/A
	0028	1000 mL boston round, amber glass	7	N/A
	0029	1000 mL boston round, amber glass	7	N/A
	0030	1000 mL boston round, amber glass	7	N/A
	0031	1000 mL boston round, amber glass	7	N/A
	0032	1000 mL cylinder, poly	7	N/A
	0033	1000 mL cylinder, poly, HNO3	<2	N/A
	0034	40 ml OTWS, clear glass, H3PO4	N/C	N/A
	0035	40 ml OTWS, clear glass, H3PO4	N/C	N/A
	0036	40 ml OTWS, clear glass, HCl	N/C	None
	0037	40 ml OTWS, clear glass, HCl	N/C	None
	0038	40 ml OTWS, clear glass, HCl	N/C	None
	0039	500 ml boston round, clear glass, HCl	<2	N/A
	0040	500 ml boston round, clear glass, HCl	<2	N/A
	0041	500 ml cylinder, poly	7	N/A
CAB37-007	0004	1000 mL cylinder, poly, HNO3 Filtered	<2	N/A
	0005	40 ml OTWS, clear glass, H3PO4	N/C	N/A
	0006	40 ml OTWS, clear glass, H3PO4	N/C	N/A

Allowable temperature and pH ranges (neutral pH defined as a value between 5 and 9)

Temperature	Allowable temperature range is 4+/- 2 degrees Celsius
Acid Preserved pH	pH must be less than 2
Base Preserved pH	pH must be greater than 12
NC	Not Checked for pH

Supplemental Sample Receipt Log
Laucks Testing Laboratories

SDG: CAB37
Cooler: AAP097
Temperatures: 4.9
COC #: 44367

Sample	Bottle #	Bottle Description	pH	Bubbles
CAB37-004	0004	1000 mL boston round, amber glass	7	N/A
	0005	1000 mL boston round, amber glass	7	N/A
	0006	1000 mL boston round, amber glass	7	N/A
	0007	1000 mL boston round, amber glass	7	N/A
	0008	1000 mL boston round, amber glass	7	N/A
	0009	1000 mL boston round, amber glass	7	N/A
	0010	1000 mL boston round, amber glass	7	N/A
	0011	1000 mL boston round, amber glass	7	N/A
	0012	1000 mL cylinder, poly	7	N/A
	0013	1000 mL cylinder, poly, HNO3	<2	N/A
	0014	40 ml OTWS, clear glass, H3PO4	N/C	N/A
	0015	40 ml OTWS, clear glass, H3PO4	N/C	N/A
	0016	40 ml OTWS, clear glass, HCl	N/C	None
	0017	40 ml OTWS, clear glass, HCl	N/C	None
	0018	40 ml OTWS, clear glass, HCl	N/C	None
	0019	500 ml boston round, clear glass, HCl	<2	N/A
	0020	500 ml boston round, clear glass, HCl	<2	N/A
	0021	500 ml cylinder, poly	7	N/A
CAB37-009	0001	1000 mL cylinder, poly, HNO3 Filtered	<2	N/A
	0011	40 ml OTWS, clear glass, H3PO4	N/C	N/A
	0012	40 ml OTWS, clear glass, H3PO4	N/C	N/A

Allowable temperature and pH ranges (neutral pH defined as a value between 5 and 9)

Temperature	Allowable temperature range is 4+/- 2 degrees Celsius
Acid Preserved pH	pH must be less than 2
Base Preserved pH	pH must be greater than 12
NC	Not Checked for pH

LAUCKS TESTING LABORATORIES
940 S. Harney
Seattle, WA 98108

ATTACHMENT B

Index

LAUCKS TESTING LABORATORIES
940 S. Harney
Seattle, WA 98108

PBS Engineering & Environmental

SDG No.: CAB37

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Completed and checked by: Jenni Gross Date: 11/9/07

FORMS SUMMARY

SDG CAB37

VOLATILES ANALYSIS

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Laucks Testing Labs Contract:

SDG No.: CAB37 Run Sequence: R022035

Level: (LOW/MED) NONE

CLIENT SAMPLE NUMBER	SMC1 (DBF) #	SMC2 (DCA) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
(CAB37-003MSD) 16LCMW04DWMSD	97	90	97	93	0
(CAB37-003MS) 16LCMW04DWMS	98	91	97	93	0
(CAB37-005) 16LCMW03SW	103	104	101	101	0
(CAB37-004) 16LCMW03DW	102	105	102	103	0
(CAB37-003) 16LCMW04DW	103	102	100	105	0
(CAB37-002) 16LCMW04SW	103	104	102	104	0
(CAB37-001) Trip Blank	103	102	101	105	0
(B100107MVOWM2) B100107MVOWM2	102	103	102	103	0
(S100107MVOWM2) S100107MVOWM2	98	99	98	93	0

		QC LIMITS
SMC1 (DBF) =	Dibromofluoromethane	85-115
SMC2 (DCA) =	1,2-Dichloroethane-d4	70-120
SMC3 (TOL) =	Toluene-d8	85-120
SMC4 (BFB) =	4-Bromofluorobenzene	75-120

Column to be used to flag recovery values
* Values outside of contract required QC limits

3B
WATER VOLATILE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R022035 SDG No.: CAB37

BS Lab Sample ID: S100107MVOWM2

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
Dichlorodifluoromethane	50.0	56.86	114	30-155
Chloromethane	50.0	51.61	103	40-125
Vinyl chloride	50.0	56.19	112	50-145
Bromomethane	50.0	55.59	111	30-145
Chloroethane	50.0	53.48	107	60-135
Trichlorofluoromethane	50.0	54.05	108	60-145
1,1-Dichloroethene	50.0	45.69	91	70-130
Acetone	50.0	51.9	104	40-140
Carbon disulfide	50.0	49.28	99	35-160
Methylene chloride	50.0	46.94	94	55-140
trans-1,2-Dichloroethene	50.0	48.57	97	60-140
1,1-Dichloroethane	50.0	48.48	97	70-135
cis-1,2-Dichloroethene	50.0	49.71	99	70-125
2-Butanone	50.0	55.58	111	30-150
Chloroform	50.0	44.68	89	65-135
1,1,1-Trichloroethane	50.0	48.75	98	65-130
Carbon tetrachloride	50.0	48.35	97	65-140
Benzene	50.0	45.35	91	80-120
1,2-Dichloroethane	50.0	45.63	91	70-130
Trichloroethene	50.0	46.84	94	70-125
1,2-Dichloropropane	50.0	46.69	93	75-125
Bromodichloromethane	50.0	47.2	94	75-120
cis-1,3-Dichloropropene	50.0	46.27	93	70-130
4-Methyl-2-pentanone	50.0	50.77	102	60-135
Toluene	50.0	44.63	89	75-120
trans-1,3-Dichloropropene	50.0	52.68	105	55-140
1,1,2-Trichloroethane	50.0	45.09	90	75-125
Tetrachloroethene	50.0	47.85	96	45-150
2-Hexanone	50.0	50.27	101	55-130
Dibromochloromethane	50.0	51.94	104	60-135
Chlorobenzene	50.0	45.04	90	80-120
Ethylbenzene	50.0	48.01	96	75-125
m,p-Xylene	100	91.8	92	75-130
o-Xylene	50.0	46.04	92	80-120

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

Spike Recovery: 0 out of 37 outside limits

COMMENTS:

3B
WATER VOLATILE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R022035 SDG No.: CAB37

BS Lab Sample ID: S100107MVOWM2

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
Styrene	50.0	44.32	89	65-135
Bromoform	50.0	48.71	97	70-130
1,1,2,2-Tetrachloroethane	50.0	44.36	89	65-130

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

Spike Recovery: 0 out of 37 outside limits

COMMENTS:

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

MS Run Sequence: R022035 MSD Run Sequence: R022035 SDG No.: CAB37

MS Client Sample No.: 16LCMW04DWMS MSD Client Sample No.: 16LCMW04DWMSD

MS Lab Sample ID: CAB37-003MS MSD Lab Sample ID: CAB37-003MSD

Level: N/A Units: ug/L

COMPOUND	SAMPLE CONC	MS SPIKE ADDED	MS CONC	MS % REC #	MSD SPIKE ADDED	MSD CONC	MSD % REC #	%RPD #	QC LIMITS	
									RPD	REC.
Dichlorodifluoromethane	0	50.0	49.67	99	50.0	47.59	95	4	30	30-155
Chloromethane	0	50.0	46.33	93	50.0	43.83	88	6	30	40-125
Vinyl chloride	0	50.0	50.99	102	50.0	49.1	98	4	30	50-145
Bromomethane	0	50.0	51.78	104	50.0	48.98	98	6	30	30-145
Chloroethane	0	50.0	48.77	98	50.0	45.41	91	7	30	60-135
Trichlorofluoromethane	0	50.0	47.7	95	50.0	45.75	92	4	30	60-145
1,1-Dichloroethene	0	50.0	39.57	79	50.0	38.67	77	2	30	70-130
Acetone	0	50.0	46.63	93	50.0	46.53	93	0	30	40-140
Carbon disulfide	0	50.0	40.29	81	50.0	38.84	78	4	30	35-160
Methylene chloride	0	50.0	42.04	84	50.0	42.08	84	0	30	55-140
trans-1,2-Dichloroethene	0	50.0	44.91	90	50.0	43.56	87	3	30	60-140
1,1-Dichloroethane	0	50.0	44.05	88	50.0	41.99	84	5	30	70-135
cis-1,2-Dichloroethene	0	50.0	47.54	95	50.0	46.48	93	2	30	70-125
2-Butanone	0	50.0	52.42	105	50.0	53.66	107	2	30	30-150
Chloroform	0	50.0	41.17	82	50.0	40.12	80	3	30	65-135
1,1,1-Trichloroethane	0	50.0	43.93	88	50.0	42.07	84	4	30	65-130
Carbon tetrachloride	0	50.0	42.58	85	50.0	40.78	82	4	30	65-140
Benzene	0	50.0	42.13	84	50.0	40.71	81	3	30	80-120

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
@ This RPD or percent recovery is not flagged as an exceedence because the Sample Found amount is five times or more than the Spike Added amount.

RPD: 0 out of 37 outside limits
Spike Recovery: 0 out of 74 outside limits

COMMENTS:

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

MS Run Sequence: R022035 MSD Run Sequence: R022035 SDG No.: CAB37

MS Client Sample No.: 16LCMW04DWMS MSD Client Sample No.: 16LCMW04DWMSD

MS Lab Sample ID: CAB37-003MS MSD Lab Sample ID: CAB37-003MSD

Level: N/A Units: ug/L

COMPOUND	SAMPLE CONC	MS SPIKE ADDED	MS CONC	MS % REC #	MSD SPIKE ADDED	MSD CONC	MSD % REC #	%RPD #	QC LIMITS	
									RPD	REC.
1,2-Dichloroethane	0	50.0	41.06	82	50.0	40.55	81	1	30	70-130
Trichloroethene	0	50.0	44.95	90	50.0	43.32	87	4	30	70-125
1,2-Dichloropropane	0	50.0	43.32	87	50.0	42.21	84	3	30	75-125
Bromodichloromethane	0	50.0	44.08	88	50.0	43.19	86	2	30	75-120
cis-1,3-Dichloropropene	0	50.0	42.42	85	50.0	41.54	83	2	30	70-130
4-Methyl-2-pentanone	0	50.0	47.88	96	50.0	48.12	96	1	30	60-135
Toluene	0	50.0	41.62	83	50.0	40.49	81	3	30	75-120
trans-1,3-Dichloropropene	0	50.0	46.88	94	50.0	46.38	93	1	30	55-140
1,1,2-Trichloroethane	0	50.0	43.14	86	50.0	42.92	86	1	30	75-125
Tetrachloroethene	0	50.0	45.32	91	50.0	43.89	88	3	30	45-150
2-Hexanone	0	50.0	46.19	92	50.0	47.56	95	3	30	55-130
Dibromochloromethane	0	50.0	50.24	100	50.0	49.76	100	1	30	60-135
Chlorobenzene	0	50.0	43.38	87	50.0	42.2	84	3	30	80-120
Ethylbenzene	0	50.0	44.1	88	50.0	42.75	86	3	30	75-125
m,p-Xylene	0	100	85.95	86	100	82.87	83	4	30	75-130
o-Xylene	0	50.0	43.43	87	50.0	42.08	84	3	30	80-120
Styrene	0	50.0	42.06	84	50.0	41.11	82	2	30	65-135
Bromoform	0	50.0	47.23	94	50.0	47.23	94	0	30	70-130
1,1,2,2-Tetrachloroethane	0	50.0	41.7	83	50.0	41.96	84	1	30	65-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
@ This RPD or percent recovery is not flagged as an exceedence because the Sample Found amount is five times or more than the Spike Added amount.

RPD: 0 out of 37 outside limits
Spike Recovery: 0 out of 74 outside limits

COMMENTS:

4

VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

B100107MVOWM2

Lab Name: Laucks Testing Labs Contract:

SDG No.: CAB37

Lab File ID: M1001022.D Lab Sample ID: B100107MVOWM2

Date Analyzed: 10/01/2007 Time Analyzed: 14:42

GC Column: ZB-624 20m ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: 5973M Moby Matrix: Water

	CLIENT SAMPLE NO.	LAB SAMPLE ID.	LAB FILE ID.	DATE ANALYZED	TIME ANALYZED	RUN SEQUENCE
01	S100107MVOWM2	S100107MVOWM2	M1001019.D	10/01/2007	13:23	R022035
02	Trip Blank	CAB37-001	M1001024.D	10/01/2007	15:37	R022035
03	16LCMW04SW	CAB37-002	M1001025.D	10/01/2007	16:04	R022035
04	16LCMW04DW	CAB37-003	M1001026.D	10/01/2007	16:31	R022035
05	16LCMW03DW	CAB37-004	M1001027.D	10/01/2007	16:58	R022035
06	16LCMW03SW	CAB37-005	M1001028.D	10/01/2007	17:25	R022035
07	16LCMW04DWMS	CAB37-003MS	M1001042.D	10/01/2007	23:40	R022035
08	16LCMW04DWMSD	CAB37-003MSD	M1001043.D	10/02/2007	00:07	R022035
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COMMENTS:

5

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

CLIENT SAMPLE NO.
BFBM4

Lab Name: Laucks Testing Labs Contract:

Run Sequence: CAL1140 SDG No.: CAB37

Lab File ID: M0927019.D BFB Injection Date: 09/27/2007

Instrument ID: 5973M Moby BFB Injection Time: 12:37

GC Column ZB-624 20m ID: 0.18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15% to 40% of mass 95	17.1
75	30% to 60% of mass 95	47
95	base peak, 100% relative abundance	100
96	5% to 9% of mass 95	6.8
173	less than 2% of mass 174	0.7()1
174	greater than 50% of mass 95	93.9
175	5% to 9% of mass 17	7.5()1
176	greater than 95%, but less than 101% of mass 174	95.6()1
177	5% to 9% of mass 176	7.1()2

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

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0.3	VSTD0.3	M0927021.D	09/27/2007	13:56
02	VSTD0.5	VSTD0.5	M0927022.D	09/27/2007	14:23
03	VSTD001	VSTD001	M0927023.D	09/27/2007	14:50
04	VSTD005	VSTD005	M0927024.D	09/27/2007	15:17
05	VSTD010	VSTD010	M0927025.D	09/27/2007	15:44
06	VSTD050	VSTD050	M0927026.D	09/27/2007	16:11
07	VSTD100	VSTD100	M0927027.D	09/27/2007	16:37
08	VSTD200	VSTD200	M0927028.D	09/27/2007	17:04
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5

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

CLIENT SAMPLE NO.

BFBM1

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022035 SDG No.: CAB37

Lab File ID: M1001017.D BFB Injection Date: 10/01/2007

Instrument ID: 5973M Moby BFB Injection Time: 12:31

GC Column ZB-624 20m ID: 0.18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15% to 40% of mass 95	16.8
75	30% to 60% of mass 95	46.8
95	base peak, 100% relative abundance	100
96	5% to 9% of mass 95	6.2
173	less than 2% of mass 174	0.4()1
174	greater than 50% of mass 95	94.7
175	5% to 9% of mass 17	7.6()1
176	greater than 95%, but less than 101% of mass 174	96.9()1
177	5% to 9% of mass 176	6.4()2

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

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050M1	VSTD050M1	M1001018.D	10/01/2007	12:57
02	S100107MVOWM2	S100107MVOWM2	M1001019.D	10/01/2007	13:23
03	B100107MVOWM2	B100107MVOWM2	M1001022.D	10/01/2007	14:42
04	Trip Blank	CAB37-001	M1001024.D	10/01/2007	15:37
05	16LCMW04SW	CAB37-002	M1001025.D	10/01/2007	16:04
06	16LCMW04DW	CAB37-003	M1001026.D	10/01/2007	16:31
07	16LCMW03DW	CAB37-004	M1001027.D	10/01/2007	16:58
08	16LCMW03SW	CAB37-005	M1001028.D	10/01/2007	17:25
09	16LCMW04DWMS	CAB37-003MS	M1001042.D	10/01/2007	23:40
10	16LCMW04DWMSD	CAB37-003MSD	M1001043.D	10/02/2007	00:07
11					
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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022035 SDG No.: CAB37

Client Sample No.(VSTD050##): VSTD050M1 Date Analyzed: 10/01/2007

Lab File ID (Standard): M1001018.D Time Analyzed: 12:57

Instrument ID: 5973M Moby Heated Purge: (Y/N) N

GC Column: ZB-624 20m ID: 0.18 (mm)

		IS1 (FBZ) AREA	#	RT	#	IS2 (CBZ) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD	769511		6.43		476674		9.58		283306		11.89	
	UPPER LIMIT	1539022		6.93		953348		10.08		566612		12.39	
	LOWER LIMIT	384755.5		5.93		238337		9.08		141653		11.39	
	CLIENT SAMPLE NO.												
01	S100107MVOWM2	804354		6.43		492157		9.58		285771		11.89	
02	B100107MVOWM2	629194		6.43		356760		9.58		169872		11.89	
03	Trip Blank	606738		6.43		348633		9.58		162925		11.89	
04	16LCMW04SW	608537		6.43		343055		9.58		158992		11.89	
05	16LCMW04DW	601642		6.43		346150		9.58		160556		11.89	
06	16LCMW03DW	595286		6.43		337862		9.58		158254		11.89	
07	16LCMW03SW	588523		6.44		335751		9.58		160298		11.89	
08	16LCMW04DWMS	1096682		6.43		676535		9.58		381897		11.89	
09	16LCMW04DWMSD	1117913		6.43		686393		9.58		388953		11.89	
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11													
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20													
21													
22													

IS1 (FBZ) = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

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

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Trip Blank

Lab Name: _____ Contract: _____

SDG No.: CAB37 Run Sequence: R022035

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB37-001

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1001024.D

Level: (LOW/MED) _____ Date Collected: 09/19/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/01/2007 15:37

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Trip Blank

Lab Name: _____ Contract: _____

SDG No.: CAB37 Run Sequence: R022035

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB37-001

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1001024.D

Level: (LOW/MED) _____ Date Collected: 09/19/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/01/2007 15:37

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
179601-23	m,p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

Comments:

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04SW

Lab Name: _____ Contract: _____

SDG No.: CAB37 Run Sequence: R022035

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB37-002

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1001025.D

Level: (LOW/MED) _____ Date Collected: 09/19/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/01/2007 16:04

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04SW

Lab Name: _____ Contract: _____

SDG No.: CAB37 Run Sequence: R022035

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB37-002

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1001025.D

Level: (LOW/MED) _____ Date Collected: 09/19/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/01/2007 16:04

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
179601-23	m,p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

Comments:

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04DW

Lab Name: _____ Contract: _____

SDG No.: CAB37 Run Sequence: R022035

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB37-003

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1001026.D

Level: (LOW/MED) _____ Date Collected: 09/19/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/01/2007 16:31

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04DW

Lab Name: _____ Contract: _____

SDG No.: CAB37 Run Sequence: R022035

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB37-003

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1001026.D

Level: (LOW/MED) _____ Date Collected: 09/19/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/01/2007 16:31

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
179601-23	m,p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

Comments:

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW03DW

Lab Name: _____ Contract: _____

SDG No.: CAB37 Run Sequence: R022035

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB37-004

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1001027.D

Level: (LOW/MED) _____ Date Collected: 09/19/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/01/2007 16:58

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW03DW

Lab Name: _____ Contract: _____

SDG No.: CAB37 Run Sequence: R022035

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB37-004

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1001027.D

Level: (LOW/MED) _____ Date Collected: 09/19/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/01/2007 16:58

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
179601-23	m,p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

Comments:

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW03SW

Lab Name: _____ Contract: _____

SDG No.: CAB37 Run Sequence: R022035

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB37-005

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1001028.D

Level: (LOW/MED) _____ Date Collected: 09/19/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/01/2007 17:25

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW03SW

Lab Name: _____ Contract: _____

SDG No.: CAB37 Run Sequence: R022035

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB37-005

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1001028.D

Level: (LOW/MED) _____ Date Collected: 09/19/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/01/2007 17:25

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
179601-23	m,p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

Comments:

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022035 SDG No.: CAB37

Instrument ID: 5973M Moby Calibration Dates: 09/27/2007 17:04

Heated Purge: (Y/N) N Calibration Times: 09/27/2007 17:04

GC Column: ZB-624 20m ID: 0.18 (mm) Mean % RSD: 7.83

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8	$\overline{RF}$	%RSD	r^2 COD	Eq Ty
Dichlorodifluoromethane	0.3		0.5	4.800E-02	1	1.200E-01	5	1.170E-01	10	1.310E-01	50	1.390E-01	100	1.289E-01	200	1.369E-01	0.117		0.999	L
Chloromethane	0.3		0.5	2.070E-01	1	2.579E-01	5	2.500E-01	10	2.310E-01	50	2.220E-01	100	2.160E-01	200	2.140E-01	0.228	8.44		A
Vinyl chloride	0.3		0.5	1.550E-01	1	2.440E-01	5	2.280E-01	10	2.380E-01	50	2.319E-01	100	2.300E-01	200	2.420E-01	0.224	13.93		A
Bromomethane	0.3		0.5	1.080E-01	1	1.540E-01	5	1.380E-01	10	1.400E-01	50	1.360E-01	100	1.390E-01	200	1.330E-01	0.135	10.13		A
Chloroethane	0.3		0.5	1.380E-01	1	1.750E-01	5	1.570E-01	10	1.540E-01	50	1.490E-01	100	1.490E-01	200	1.470E-01	0.153	7.54		A
Trichlorofluoromethane	0.3		0.5	1.230E-01	1	2.879E-01	5	2.800E-01	10	2.930E-01	50	3.089E-01	100	3.080E-01	200	3.290E-01	0.276		0.999	L
1,1-Dichloroethene	0.3		0.5	2.800E-01	1	2.280E-01	5	2.440E-01	10	2.360E-01	50	2.380E-01	100	2.389E-01	200	2.480E-01	0.245	6.79		A
Acetone	0.3		5	4.400E-02	10	3.999E-02	50	3.400E-02	100	3.200E-02	200	3.200E-02					0.036	15.17		A
Carbon disulfide	0.3		0.5	4.690E-01	1	4.580E-01	5	5.580E-01	10	5.709E-01	50	6.039E-01	100	5.770E-01	200	6.480E-01	0.555	12.42		A
Methylene chloride	0.3		0.5	2.385E+00	1	1.131E+00	5	4.530E-01	10	3.770E-01	50	2.860E-01	100	2.739E-01	200	2.780E-01	0.741		1.000	L
trans-1,2-Dichloroethene	0.3		0.5	2.840E-01	1	2.960E-01	5	3.160E-01	10	3.120E-01	50	3.330E-01	100	3.310E-01	200	3.529E-01	0.318	7.38		A
1,1-Dichloroethane	0.3		0.5	5.730E-01	1	5.249E-01	5	5.230E-01	10	5.130E-01	50	5.230E-01	100	5.120E-01	200	5.270E-01	0.528	3.88		A
cis-1,2-Dichloroethene	0.3		0.5	2.930E-01	1	2.840E-01	5	3.120E-01	10	3.140E-01	50	3.420E-01	100	3.370E-01	200	3.529E-01	0.319	8.04		A
2-Butanone	0.3		5	4.800E-02	10	4.899E-02	50	5.799E-02	100	5.999E-02	200	6.199E-02					0.056	11.88		A
Chloroform	0.3	6.269E-01	0.5	5.920E-01	1	5.249E-01	5	5.140E-01	10	4.939E-01	50	5.099E-01	100	4.910E-01	200	5.030E-01	0.532	9.38		A
1,1,1-Trichloroethane	0.3		0.5	3.759E-01	1	3.580E-01	5	4.100E-01	10	4.059E-01	50	4.330E-01	100	4.190E-01	200	4.269E-01	0.404	6.83		A
Carbon tetrachloride	0.3		0.5	3.919E-01	1	3.689E-01	5	3.720E-01	10	3.759E-01	50	4.009E-01	100	3.930E-01	200	4.100E-01	0.388	4.08		A
Benzene	0.3	1.334E+00	0.5	1.375E+00	1	1.321E+00	5	1.370E+00	10	1.345E+00	50	1.403E+00	100	1.376E+0	200	1.396E+00	1.365	2.13		A
1,2-Dichloroethane	0.3		0.5	3.529E-01	1	3.030E-01	5	3.160E-01	10	3.100E-01	50	3.150E-01	100	3.010E-01	200	2.980E-01	0.314	5.88		A
Trichloroethene	0.3		0.5	3.429E-01	1	3.140E-01	5	3.330E-01	10	3.310E-01	50	3.680E-01	100	3.660E-01	200	3.790E-01	0.348	6.78		A
1,2-Dichloropropane	0.3		0.5	2.700E-01	1	2.920E-01	5	2.940E-01	10	2.870E-01	50	3.070E-01	100	2.969E-01	200	2.949E-01	0.292	3.93		A
Bromodichloromethane	0.3		0.5	3.160E-01	1	3.010E-01	5	3.230E-01	10	3.199E-01	50	3.450E-01	100	3.400E-01	200	3.440E-01	0.327	5.07		A
cis-1,3-Dichloropropene	0.3		0.5	2.440E-01	1	2.540E-01	5	3.190E-01	10	3.510E-01	50	4.180E-01	100	4.160E-01	200	4.230E-01	0.347		1.000	Q
4-Methyl-2-pentanone	0.3		1	3.900E-02	5	7.199E-02	10	1.060E-01	50	1.230E-01	100	1.260E-01	200	1.330E-01			0.100		1.000	Q

SUM - 21

Eq Ty = Equation Type
Q=Quadratic, L=Linear, A=Average

* SPCCs #

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022035 SDG No.: CAB37

Instrument ID: 5973M Moby Calibration Dates: 09/27/2007 17:04

Heated Purge: (Y/N) N Calibration Times: 09/27/2007 17:04

GC Column: ZB-624 20m ID: 0.18 (mm) Mean % RSD: 7.83

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8	$\overline{RF}$	%RSD	r^2 COD	Eq Ty
Toluene	0.3		0.5	1.419E+00	1	1.324E+00	5	1.342E+00	10	1.308E+00	50	1.318E+00	100	1.264E+0	200	1.227E+00	1.314	4.60		A
trans-1,3-Dichloropropene	0.3		0.5	4.059E-01	1	3.720E-01	5	4.140E-01	10	4.410E-01	50	5.220E-01	100	5.159E-01	200	5.050E-01	0.454	13.33		A
1,1,2-Trichloroethane	0.3		0.5	3.220E-01	1	3.310E-01	5	3.240E-01	10	3.170E-01	50	3.140E-01	100	3.000E-01	200	2.960E-01	0.315	4.03		A
Tetrachloroethene	0.3		0.5	5.569E-01	1	5.080E-01	5	5.360E-01	10	5.370E-01	50	5.519E-01	100	5.350E-01	200	5.400E-01	0.538	2.88		A
2-Hexanone	0.3		1	6.300E-02	5	8.299E-02	10	9.600E-02	50	1.180E-01	100	1.240E-01	200	1.289E-01			0.102		1.000	Q
Dibromochloromethane	0.3		0.5	2.770E-01	1	2.669E-01	5	3.089E-01	10	3.129E-01	50	3.459E-01	100	3.429E-01	200	3.510E-01	0.315	10.77		A
Chlorobenzene	0.3		0.5	1.406E+00	1	1.268E+00	5	1.262E+00	10	1.210E+00	50	1.230E+00	100	1.207E+0	200	1.232E+00	1.259	5.45		A
Ethylbenzene	0.3		0.5	1.692E+00	1	1.724E+00	5	2.033E+00	10	2.056E+00	50	2.217E+00	100	2.211E+0	200	2.250E+00	2.027	11.49		A
m,p-Xylene	0.3		1	6.090E-01	2	6.100E-01	10	8.069E-01	20	8.069E-01	100	8.880E-01	200	8.930E-01	400	9.350E-01	0.793		1.000	Q
o-Xylene	0.3		0.5	4.720E-01	1	5.159E-01	5	6.539E-01	10	6.940E-01	50	8.119E-01	100	8.150E-01	200	8.610E-01	0.689		1.000	Q
Styrene	0.3		0.5	7.350E-01	1	7.699E-01	5	1.191E+00	10	1.210E+00	50	1.397E+00	100	1.423E+0	200	1.539E+00	1.181		1.000	Q
Bromoform	0.3		0.5	1.530E-01	1	1.430E-01	5	1.620E-01	10	1.630E-01	50	2.029E-01	100	2.110E-01	200	2.319E-01	0.181		1.000	Q
1,1,2,2-Tetrachloroethane	0.3		0.5	7.229E-01	1	6.740E-01	5	6.330E-01	10	5.970E-01	50	5.830E-01	100	5.580E-01	200	5.569E-01	0.618	10.08		A
Dibromofluoromethane	25	2.450E-01	25	2.500E-01	30	2.430E-01	35	2.440E-01	40	2.450E-01	45	2.420E-01	50	2.450E-01			0.245	0.91		A
1,2-Dichloroethane-d4	25	2.070E-01	25	2.099E-01	25	2.130E-01	30	2.060E-01	35	2.060E-01	40	2.060E-01	45	2.010E-01	50	2.000E-01	0.206	2.12		A
Toluene-d8	25	1.570E+00	25	1.580E+00	25	1.595E+00	30	1.616E+00	35	1.597E+00	40	1.530E+00	45	1.465E+0	50	1.373E+00	1.541	5.39		A
4-Bromofluorobenzene	25	7.820E-01	25	7.870E-01	25	7.979E-01	30	7.829E-01	35	7.749E-01	40	7.649E-01	45	7.559E-01	50	7.680E-01	0.777	1.73		A

SUM - 22

Eq Ty = Equation Type
Q=Quadratic, L=Linear, A=Average

* SPCCs #

INITIAL
SECOND SOURCE CALIBRATION VERIFICATION

Lab Name: Laucks Testing Laboratories, Inc. Initial Calibration ID: M8260W-092707

Instrument ID: 5973M Moby Concentration Units: ug/L

2nd Source ID: ICV092707MVOWM1

Analyte	Equation Type	Expected	Found	%D
1,1,1,2-Tetrachloroethane	A	50.00	48.95	2.10
1,1,1-Trichloroethane	A	50.00	46.78	6.44
1,1,2,2-Tetrachloroethane	A	50.00	45.21	9.58
1,1,2-Trichloroethane	A	50.00	46.97	6.06
1,1-Dichloroethane	A	50.00	44.72	10.56
1,1-Dichloroethene	A	50.00	36.15	27.70
1,1-Dichloropropene	A	50.00	48.52	2.96
1,2,3-Trichlorobenzene	Q	50.00	46.78	6.44
1,2,3-Trichloropropane	A	50.00	44.81	10.38
1,2,4-Trichlorobenzene	Q	50.00	47.63	4.74
1,2,4-Trimethylbenzene	Q	50.00	46.46	7.08
1,2-Dibromo-3-chloropropane	A	50.00	51.49	2.98
1,2-Dibromoethane	A	50.00	50.00	0.00
1,2-Dichlorobenzene	A	50.00	49.79	0.42
1,2-Dichloroethane	A	50.00	43.51	12.98
1,2-Dichloroethane-d4	A	25.00	22.99	8.04
1,2-Dichloropropane	A	50.00	46.44	7.12
1,3,5-Trimethylbenzene	Q	50.00	46.78	6.44
1,3-Dichlorobenzene	A	50.00	49.94	0.12
1,3-Dichloropropane	A	50.00	48.73	2.54
1,4-Dichlorobenzene	A	50.00	48.46	3.08
1-Chlorohexane	L	50.00	50.47	0.94
2,2-Dichloropropane	A	50.00	48.95	2.10
2-Butanone	A	50.00	49.76	0.48
2-Chlorotoluene	A	50.00	49.59	0.82
2-Hexanone	Q	50.00	47.75	4.50
4-Bromofluorobenzene	A	25.00	23.30	6.80
4-Chlorotoluene	A	50.00	51.22	2.44
4-Isopropyltoluene	Q	50.00	47.60	4.80
4-Methyl-2-pentanone	Q	50.00	47.01	5.98
Acetone	A	50.00	42.16	15.68
Benzene	A	50.00	43.49	13.02
Bromobenzene	A	50.00	46.44	7.12
Bromochloromethane	A	50.00	48.67	2.66
Bromodichloromethane	A	50.00	48.29	3.42
Bromoform	Q	50.00	51.00	2.00
Bromomethane	A	50.00	49.80	0.40
Carbon disulfide	A	50.00	63.09	26.18
Carbon tetrachloride	A	50.00	45.25	9.50
Chlorobenzene	A	50.00	47.49	5.02
Chloroethane	A	50.00	48.09	3.82
Chloroform	A	50.00	43.60	12.80
Chloromethane	A	50.00	42.68	14.64

INITIAL
SECOND SOURCE CALIBRATION VERIFICATION

Lab Name: Laucks Testing Laboratories, Inc. Initial Calibration ID: M8260W-092707

Instrument ID: 5973M Moby Concentration Units: ug/L

2nd Source ID: ICV092707MVOWM1

Analyte	Equation Type	Expected	Found	%D
cis-1,2-Dichloroethene	A	50.00	48.67	2.66
cis-1,3-Dichloropropene	Q	50.00	46.95	6.10
Dibromochloromethane	A	50.00	55.64	11.28
Dibromofluoromethane	A	25.00	24.05	3.80
Dibromomethane	A	50.00	48.43	3.14
Dichlorodifluoromethane	L	50.00	41.97	16.06
Ethyl-t-Butyl Ether(ETBE)	A	50.00	56.80	13.60
Ethylbenzene	A	50.00	50.23	0.46
Hexachlorobutadiene	A	50.00	47.43	5.14
Isopropyl ether	A	50.00	55.68	11.36
Isopropylbenzene	Q	50.00	50.39	0.78
m,p-Xylene	Q	100.00	96.37	3.63
Methyl tert-butyl ether	A	50.00	61.04	22.08
Methylene chloride	L	50.00	41.18	17.64
n-Butylbenzene	Q	50.00	46.24	7.52
n-Propylbenzene	A	50.00	54.21	8.42
Naphthalene	Q	50.00	46.87	6.26
o-Xylene	Q	50.00	49.02	1.96
sec-Butylbenzene	Q	50.00	49.27	1.46
Styrene	Q	50.00	47.49	5.02
t-Amyl Methyl Ether(TAME)	A	50.00	53.96	7.92
t-Butyl Alcohol	A	500.00	494.37	1.13
tert-Butylbenzene	Q	50.00	48.63	2.74
Tetrachloroethene	A	50.00	49.53	0.94
Toluene	A	50.00	45.72	8.56
Toluene-d8	A	25.00	24.52	1.92
trans-1,2-Dichloroethene	A	50.00	44.50	11.00
trans-1,3-Dichloropropene	A	50.00	54.07	8.14
Trichloroethene	A	50.00	46.48	7.04
Trichlorofluoromethane	L	50.00	46.57	6.86
Vinyl chloride	A	50.00	48.02	3.96

Q=Quadratic, L=Linear, A=Average

7

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022035 SDG No.: CAB37

Instrument ID: 5973M Moby Calibration Date: 10/01/2007 Time: 12:57

Lab File ID: M1001018.D Init. Calib. Date(s): 09/27/2007

Client Sample No.: VSTD050M1 Init. Calib. Time(s): 12:37

Heated Purge: (Y/N) N GC Column: ZB-624 20m ID: 0.18 (mm)

Compound	Equation Type	RF 50.0	%D	%Drift
Dichlorodifluoromethane	L	0.142		5.80
Chloromethane	A	0.208	8.65	
Vinyl chloride	A	0.221	1.12	
Bromomethane	A	0.129	4.62	
Chloroethane	A	0.143	6.46	
Trichlorofluoromethane	L	0.309		-2.80
1,1-Dichloroethene	A	0.234	4.60	
Acetone	A	0.033	9.03	
Carbon disulfide	A	0.531	4.29	
Methylene chloride	L	0.284		-1.86
trans-1,2-Dichloroethene	A	0.328	-3.18	
1,1-Dichloroethane	A	0.517	2.17	
cis-1,2-Dichloroethene	A	0.333	-4.27	
2-Butanone	A	0.056	0.31	
Chloroform	A	0.503	5.47	
1,1,1-Trichloroethane	A	0.420	-3.99	
Carbon tetrachloride	A	0.402	-3.71	
Benzene	A	1.378	-0.93	
1,2-Dichloroethane	A	0.312	0.56	
Trichloroethene	A	0.360	-3.46	
1,2-Dichloropropane	A	0.301	-3.08	
Bromodichloromethane	A	0.340	-3.96	
cis-1,3-Dichloropropene	Q	0.418		1.26
4-Methyl-2-pentanone	Q	0.115		-4.88
Toluene	A	1.284	2.31	
trans-1,3-Dichloropropene	A	0.518	-13.99	
1,1,2-Trichloroethane	A	0.306	2.91	
Tetrachloroethene	A	0.547	-1.65	
2-Hexanone	Q	0.114		-4.24
Dibromochloromethane	A	0.336	-6.80	
Chlorobenzene	A	1.205	4.32	
Ethylbenzene	A	2.161	-6.62	

* = %D or %Drift above limit

= %D or %Drift limts are not configured

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022035 SDG No.: CAB37

Instrument ID: 5973M Moby Calibration Date: 10/01/2007 Time: 12:57

Lab File ID: M1001018.D Init. Calib. Date(s): 09/27/2007

Client Sample No.: VSTD050M1 Init. Calib. Time(s): 12:37

Heated Purge: (Y/N) N GC Column: ZB-624 20m ID: 0.18 (mm)

Compound	Equation Type	RF 50.0	%D	%Drift
m,p-Xylene	Q	0.863		-1.36
o-Xylene	Q	0.785		-1.32
Styrene	Q	1.359		-0.98
Bromoform	Q	0.198		-0.72
1,1,2,2-Tetrachloroethane	A	0.578	6.41	
Dibromofluoromethane	A	0.232	5.49	
1,2-Dichloroethane-d4	A	0.198	3.99	
Toluene-d8	A	1.427	7.41	
4-Bromofluorobenzene	A	0.707	8.95	

* = %D or %Drift above limit

= %D or %Drift limts are not configured

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B100107MVOWM2

Lab Name: _____ Contract: _____

SDG No.: CAB37 Run Sequence: R022035

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: B100107MVOWM2

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1001022.D

Level: (LOW/MED) _____ Date Collected: _____

% Moisture: not dec. _____ Date/Time Analyzed: 10/01/2007 14:42

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B100107MVOWM2

Lab Name: _____ Contract: _____

SDG No.: CAB37 Run Sequence: R022035

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: B100107MVOWM2

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1001022.D

Level: (LOW/MED) _____ Date Collected: _____

% Moisture: not dec. _____ Date/Time Analyzed: 10/01/2007 14:42

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
179601-23	m,p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

Comments:

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S100107MVOWM2

Lab Name: _____ Contract: _____

SDG No.: CAB37 Run Sequence: R022035

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: S100107MVOWM2

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1001019.D

Level: (LOW/MED) _____ Date Collected: _____

% Moisture: not dec. _____ Date/Time Analyzed: 10/01/2007 13:23

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	57	
74-87-3	Chloromethane	52	
75-01-4	Vinyl chloride	56	
74-83-9	Bromomethane	56	
75-00-3	Chloroethane	53	
75-69-4	Trichlorofluoromethane	54	
75-35-4	1,1-Dichloroethene	46	
67-64-1	Acetone	52	
75-15-0	Carbon disulfide	49	
75-09-2	Methylene chloride	47	
156-60-5	trans-1,2-Dichloroethene	49	
75-34-3	1,1-Dichloroethane	48	
156-59-2	cis-1,2-Dichloroethene	50	
78-93-3	2-Butanone	56	
67-66-3	Chloroform	45	
71-55-6	1,1,1-Trichloroethane	49	
56-23-5	Carbon tetrachloride	48	
71-43-2	Benzene	45	
107-06-2	1,2-Dichloroethane	46	
79-01-6	Trichloroethene	47	
78-87-5	1,2-Dichloropropane	47	
75-27-4	Bromodichloromethane	47	
10061-01-	cis-1,3-Dichloropropene	46	
108-10-1	4-Methyl-2-pentanone	51	
108-88-3	Toluene	45	
10061-02-	trans-1,3-Dichloropropene	53	
79-00-5	1,1,2-Trichloroethane	45	
127-18-4	Tetrachloroethene	48	
591-78-6	2-Hexanone	50	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S100107MVOWM2

Lab Name: _____ Contract: _____

SDG No.: CAB37 Run Sequence: R022035

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: S100107MVOWM2

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1001019.D

Level: (LOW/MED) _____ Date Collected: _____

% Moisture: not dec. _____ Date/Time Analyzed: 10/01/2007 13:23

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	52	
108-90-7	Chlorobenzene	45	
100-41-4	Ethylbenzene	48	
179601-23	m,p-Xylene	92	
95-47-6	o-Xylene	46	
100-42-5	Styrene	44	
75-25-2	Bromoform	49	
79-34-5	1,1,2,2-Tetrachloroethane	44	

Comments:

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04DWMS

Lab Name: _____ Contract: _____

SDG No.: CAB37 Run Sequence: R022035

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB37-003MS

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1001042.D

Level: (LOW/MED) _____ Date Collected: 09/19/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/01/2007 23:40

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	50	
74-87-3	Chloromethane	46	
75-01-4	Vinyl chloride	51	
74-83-9	Bromomethane	52	
75-00-3	Chloroethane	49	
75-69-4	Trichlorofluoromethane	48	
75-35-4	1,1-Dichloroethene	40	
67-64-1	Acetone	47	
75-15-0	Carbon disulfide	40	
75-09-2	Methylene chloride	42	
156-60-5	trans-1,2-Dichloroethene	45	
75-34-3	1,1-Dichloroethane	44	
156-59-2	cis-1,2-Dichloroethene	48	
78-93-3	2-Butanone	52	
67-66-3	Chloroform	41	
71-55-6	1,1,1-Trichloroethane	44	
56-23-5	Carbon tetrachloride	43	
71-43-2	Benzene	42	
107-06-2	1,2-Dichloroethane	41	
79-01-6	Trichloroethene	45	
78-87-5	1,2-Dichloropropane	43	
75-27-4	Bromodichloromethane	44	
10061-01-	cis-1,3-Dichloropropene	42	
108-10-1	4-Methyl-2-pentanone	48	
108-88-3	Toluene	42	
10061-02-	trans-1,3-Dichloropropene	47	
79-00-5	1,1,2-Trichloroethane	43	
127-18-4	Tetrachloroethene	45	
591-78-6	2-Hexanone	46	

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04DWMS

Lab Name: _____ Contract: _____

SDG No.: CAB37 Run Sequence: R022035

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB37-003MS

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1001042.D

Level: (LOW/MED) _____ Date Collected: 09/19/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/01/2007 23:40

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	50	
108-90-7	Chlorobenzene	43	
100-41-4	Ethylbenzene	44	
179601-23	m,p-Xylene	86	
95-47-6	o-Xylene	43	
100-42-5	Styrene	42	
75-25-2	Bromoform	47	
79-34-5	1,1,2,2-Tetrachloroethane	42	

Comments:

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04DWMSD

Lab Name: _____ Contract: _____

SDG No.: CAB37 Run Sequence: R022035

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB37-003MSD

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1001043.D

Level: (LOW/MED) _____ Date Collected: 09/19/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/02/2007 00:07

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	48	
74-87-3	Chloromethane	44	
75-01-4	Vinyl chloride	49	
74-83-9	Bromomethane	49	
75-00-3	Chloroethane	45	
75-69-4	Trichlorofluoromethane	46	
75-35-4	1,1-Dichloroethene	39	
67-64-1	Acetone	47	
75-15-0	Carbon disulfide	39	
75-09-2	Methylene chloride	42	
156-60-5	trans-1,2-Dichloroethene	44	
75-34-3	1,1-Dichloroethane	42	
156-59-2	cis-1,2-Dichloroethene	46	
78-93-3	2-Butanone	54	
67-66-3	Chloroform	40	
71-55-6	1,1,1-Trichloroethane	42	
56-23-5	Carbon tetrachloride	41	
71-43-2	Benzene	41	
107-06-2	1,2-Dichloroethane	41	
79-01-6	Trichloroethene	43	
78-87-5	1,2-Dichloropropane	42	
75-27-4	Bromodichloromethane	43	
10061-01-	cis-1,3-Dichloropropene	42	
108-10-1	4-Methyl-2-pentanone	48	
108-88-3	Toluene	40	
10061-02-	trans-1,3-Dichloropropene	46	
79-00-5	1,1,2-Trichloroethane	43	
127-18-4	Tetrachloroethene	44	
591-78-6	2-Hexanone	48	

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04DWMSD

Lab Name: _____ Contract: _____

SDG No.: CAB37 Run Sequence: R022035

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB37-003MSD

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1001043.D

Level: (LOW/MED) _____ Date Collected: 09/19/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/02/2007 00:07

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	50	
108-90-7	Chlorobenzene	42	
100-41-4	Ethylbenzene	43	
179601-23	m,p-Xylene	83	
95-47-6	o-Xylene	42	
100-42-5	Styrene	41	
75-25-2	Bromoform	47	
79-34-5	1,1,2,2-Tetrachloroethane	42	

Comments:

FORMS SUMMARY

SDG# CAB37

Semivolatiles

2

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Laucks Testing Labs Contract:

SDG No.: CAB37 Run Sequence: R022905

Level: (LOW/MED) NONE

CLIENT SAMPLE NUMBER	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (2FB) #	TOT OUT
(CAB37-005) 16LCMW03SW	87	84	104	87	
(CAB37-004) 16LCMW03DW	27	69	102	84	
(CAB37-003MSD) 16LCMW04DWMSD	94	84	93	92	
(CAB37-003MS) 16LCMW04DWMS	69	81	93	90	
(CAB37-003) 16LCMW04DW	79	67	83	78	
(CAB37-002) 16LCMW04SW	21	58	91	79	
(S092607MSVWLT) S092607MSVWLT	53	73	101	95	
(B092607MSVWLT) B092607MSVWLT	37	69	96	86	

		QC LIMITS
S1 (2FP) =	2-Fluorophenol	20-110
S2 (PHL) =	Phenol-d5	10-115
S3 (NBZ) =	Nitrobenzene-d5	40-110
S4 (2FB) =	2-Fluorobiphenyl	50-100

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

2

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Laucks Testing Labs Contract:

SDG No.: CAB37 Run Sequence: R022905

Level: (LOW/MED) NONE

CLIENT SAMPLE NUMBER	S5 (TBP) #	S6 (DTR) #	S7 () #	S8 () #	TOT OUT
(CAB37-005) 16LCMW03SW	94	96			0
(CAB37-004) 16LCMW03DW	86	95			0
(CAB37-003MSD) 16LCMW04DWMSD	99	93			0
(CAB37-003MS) 16LCMW04DWMS	100	97			0
(CAB37-003) 16LCMW04DW	84	91			0
(CAB37-002) 16LCMW04SW	20 *	86			1
(S092607MSVWLT) S092607MSVWLT	92	101			0
(B092607MSVWLT) B092607MSVWLT	82	96			0

		QC LIMITS
S5 (TBP) =	2,4,6-Tribromophenol	40-125
S6 (DTR) =	Terphenyl-d14	50-135
S7 () =		
S8 () =		

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

2

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Laucks Testing Labs Contract:

SDG No.: CAB37 Run Sequence: R023143

Level: (LOW/MED) NONE

CLIENT SAMPLE NUMBER	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (2FB) #	TOT OUT
(CAB37-002RX) 16LCMW04SWRX	27	52	61	74	
(B103007MSVWLO) B103007MSVWLO	30	55	63	75	

		QC LIMITS
S1 (2FP) =	2-Fluorophenol	20-110
S2 (PHL) =	Phenol-d5	10-115
S3 (NBZ) =	Nitrobenzene-d5	40-110
S4 (2FB) =	2-Fluorobiphenyl	50-100

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

2

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Laucks Testing Labs Contract:

SDG No.: CAB37 Run Sequence: R023143

Level: (LOW/MED) NONE

CLIENT SAMPLE NUMBER	S5 (TBP) #	S6 (DTR) #	S7 () #	S8 () #	TOT OUT
(CAB37-002RX) 16LCMW04SWRX	55	78			0
(B103007MSVWLO) B103007MSVWLO	66	75			0

	QC LIMITS
S5 (TBP) = 2,4,6-Tribromophenol	40-125
S6 (DTR) = Terphenyl-d14	50-135
S7 () =	
S8 () =	

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

2

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Laucks Testing Labs Contract:

SDG No.: CAB37 Run Sequence: R023176

Level: (LOW/MED) NONE

CLIENT SAMPLE NUMBER	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (2FB) #	TOT OUT
(S103007MSVWLO) S103007MSVWLO	43	66	66	84	

		QC LIMITS
S1 (2FP) =	2-Fluorophenol	20-110
S2 (PHL) =	Phenol-d5	10-115
S3 (NBZ) =	Nitrobenzene-d5	40-110
S4 (2FB) =	2-Fluorobiphenyl	50-100

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

2

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Laucks Testing Labs Contract:

SDG No.: CAB37 Run Sequence: R023176

Level: (LOW/MED) NONE

CLIENT SAMPLE NUMBER	S5 (TBP) #	S6 (DTR) #	S7 () #	S8 () #	TOT OUT
(S103007MSVWLO) S103007MSVWLO	68	73			0

QC LIMITS

S5 (TBP) = 2,4,6-Tribromophenol 40-125

S6 (DTR) = Terphenyl-d14 50-135

S7 () =

S8 () =

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

3B
WATER SEMIVOLATILE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R022905 SDG No.: CAB37

BS Lab Sample ID: S092607MSVWLT

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
3 & 4-Methylphenol	20.0	15.97	80	30-110
Bis(2-chloroisopropyl)ether	20.0	17.63	88	35-110
Phenol	20.0	15.22	76	23-98
Bis(2-Chloroethyl)ether	20.0	15.31	77	35-110
2-Chlorophenol	20.0	13.95	70	35-105
1,3-Dichlorobenzene	20.0	9.68	48	30-100
1,4-Dichlorobenzene	20.0	9.38	47	30-100
Benzyl alcohol	20.0	16.64	83	30-110
1,2-Dichlorobenzene	20.0	10.34	52	35-100
2-Methylphenol	20.0	15.41	77	40-110
N-Nitroso-di-n-propylamine	20.0	19.52	98	35-130
Hexachloroethane	20.0	9.09	45	30-95
Nitrobenzene	20.0	16.47	82	45-110
Isophorone	20.0	18.09	90	50-110
2-Nitrophenol	20.0	16.53	83	40-115
2,4-Dimethylphenol	20.0	9.36	47	30-110
Benzoic acid	20.0	0.55	3	0-125
Bis(2-chloroethoxy)methane	20.0	16.14	81	45-105
2,4-Dichlorophenol	20.0	14.74	74	50-105
1,2,4-Trichlorobenzene	20.0	12.3	62	35-105
Naphthalene	20.0	13.37	67	40-100
4-Chloroaniline	20.0	15.43	77	15-110
Hexachlorobutadiene	20.0	9.65	48	25-105
4-Chloro-3-methylphenol	20.0	17.71	89	45-110
2-Methylnaphthalene	20.0	15.91	80	45-105
Hexachlorocyclopentadiene	20.0	3.52	18	10-49
2,4,6-Trichlorophenol	20.0	15.48	77	50-115
2,4,5-Trichlorophenol	20.0	17.26	86	50-110
2-Chloronaphthalene	20.0	16.79	84	50-105
2-Nitroaniline	20.0	21.22	106	50-115
Dimethylphthalate	20.0	18.82	94	25-125
2,6-Dinitrotoluene	20.0	16.74	84	50-115
Acenaphthylene	20.0	16.65	83	50-105
3-Nitroaniline	20.0	18.66	93	20-125

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

Spike Recovery: 0 out of 67 outside limits

COMMENTS:

3B
WATER SEMIVOLATILE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R022905 SDG No.: CAB37

BS Lab Sample ID: S092607MSVWLT

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
Acenaphthene	20.0	18.12	91	45-110
2,4-Dinitrophenol	20.0	4.86	24	15-140
4-Nitrophenol	20.0	11.97	60	0-125
Dibenzofuran	20.0	18.02	90	55-105
2,4-Dinitrotoluene	20.0	19.64	98	50-120
Diethylphthalate	20.0	18.84	94	40-120
Fluorene	20.0	17.97	90	50-110
4-Chlorophenyl-phenylether	20.0	19.24	96	50-110
4-Nitroaniline	20.0	18.51	93	35-120
4,6-Dinitro-2-methylphenol	20.0	11.91	60	40-130
N-Nitrosodiphenylamine	20.0	13.9	70	50-110
4-Bromophenyl-phenyl ether	20.0	16.3	82	50-115
Hexachlorobenzene	20.0	16.62	83	50-110
Pentachlorophenol	20.0	12.86	64	40-115
Phenanthrene	20.0	16.44	82	50-115
Anthracene	20.0	16.43	82	55-110
Carbazole	20.0	18.09	90	50-115
Di-n-butylphthalate	20.0	18.42	92	55-115
Fluoranthene	20.0	18.04	90	55-115
Benzidine	20.0	1.29	6	0-125
Pyrene	20.0	16.96	85	50-130
Butylbenzylphthalate	20.0	18.08	90	45-115
3,3'-Dichlorobenzidine	20.0	16.52	83	20-110
Benzo(a)anthracene	20.0	16.62	83	55-110
Bis(2-ethylhexyl)phthalate	20.0	19.3	97	40-125
Chrysene	20.0	17.77	89	55-110
Di-n-octylphthalate	20.0	16.21	81	35-135
Benzo(b)fluoranthene	20.0	14.37	72	45-120
Benzo(k)fluoranthene	20.0	15.27	76	45-125
Benzo(a)pyrene	20.0	13.77	69	55-110
Indeno(1,2,3-cd)pyrene	20.0	17.97	90	45-125
Dibenzo(a,h)anthracene	20.0	17.65	88	40-125
Benzo(g,h,i)perylene	20.0	18.55	93	40-125

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

Spike Recovery: 0 out of 67 outside limits

COMMENTS:

3B
WATER SEMIVOLATILE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R023176 SDG No.: CAB37

BS Lab Sample ID: S103007MSVWLO

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
3 & 4-Methylphenol	20.0	14.22	71	30-110
Bis(2-chloroisopropyl)ether	20.0	11.97	60	35-110
Phenol	20.0	13.4	67	23-98
Bis(2-Chloroethyl)ether	20.0	14.38	72	35-110
2-Chlorophenol	20.0	14.69	73	35-105
1,3-Dichlorobenzene	20.0	9.57	48	30-100
1,4-Dichlorobenzene	20.0	9.14	46	30-100
Benzyl alcohol	20.0	16.33	82	30-110
1,2-Dichlorobenzene	20.0	10.89	54	35-100
2-Methylphenol	20.0	15.01	75	40-110
N-Nitroso-di-n-propylamine	20.0	16.54	83	35-130
Hexachloroethane	20.0	7.43	37	30-95
Nitrobenzene	20.0	12.84	64	45-110
Isophorone	20.0	12.62	63	50-110
2-Nitrophenol	20.0	16.95	85	40-115
2,4-Dimethylphenol	20.0	6.57	33	30-110
Benzoic acid	20.0	14.2	71	0-125
Bis(2-chloroethoxy)methane	20.0	14.34	72	45-105
2,4-Dichlorophenol	20.0	13.34	67	50-105
1,2,4-Trichlorobenzene	20.0	11.76	59	35-105
Naphthalene	20.0	12.89	64	40-100
4-Chloroaniline	20.0	14.09	70	15-110
Hexachlorobutadiene	20.0	8.91	45	25-105
4-Chloro-3-methylphenol	20.0	15.75	79	45-110
2-Methylnaphthalene	20.0	14.49	72	45-105
Hexachlorocyclopentadiene	20.0	2.24	11	10-49
2,4,6-Trichlorophenol	20.0	16.01	80	50-115
2,4,5-Trichlorophenol	20.0	18.72	94	50-110
2-Chloronaphthalene	20.0	14.6	73	50-105
2-Nitroaniline	20.0	16.9	84	50-115
Dimethylphthalate	20.0	17.36	87	25-125
2,6-Dinitrotoluene	20.0	17.11	86	50-115
Acenaphthylene	20.0	16.91	85	50-105
3-Nitroaniline	20.0	18.8	94	20-125

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

Spike Recovery: 0 out of 67 outside limits

COMMENTS:

3B
WATER SEMIVOLATILE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R023176 SDG No.: CAB37

BS Lab Sample ID: S103007MSVWLO

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
Acenaphthene	20.0	15.44	77	45-110
2,4-Dinitrophenol	20.0	21.71	109	15-140
4-Nitrophenol	20.0	11.84	59	0-125
Dibenzofuran	20.0	18.62	93	55-105
2,4-Dinitrotoluene	20.0	20.45	102	50-120
Diethylphthalate	20.0	18.73	94	40-120
Fluorene	20.0	16.31	82	50-110
4-Chlorophenyl-phenylether	20.0	18.27	91	50-110
4-Nitroaniline	20.0	17.05	85	35-120
4,6-Dinitro-2-methylphenol	20.0	16.21	81	40-130
N-Nitrosodiphenylamine	20.0	12.26	61	50-110
4-Bromophenyl-phenyl ether	20.0	16.61	83	50-115
Hexachlorobenzene	20.0	16.88	84	50-110
Pentachlorophenol	20.0	15.27	76	40-115
Phenanthrene	20.0	15.22	76	50-115
Anthracene	20.0	14.72	74	55-110
Carbazole	20.0	16.8	84	50-115
Di-n-butylphthalate	20.0	17.57	88	55-115
Fluoranthene	20.0	19.45	97	55-115
Benzidine	20.0	0	0	0-125
Pyrene	20.0	15.96	80	50-130
Butylbenzylphthalate	20.0	16.67	83	45-115
3,3'-Dichlorobenzidine	20.0	14.87	74	20-110
Benzo(a)anthracene	20.0	16.4	82	55-110
Bis(2-ethylhexyl)phthalate	20.0	18.5	93	40-125
Chrysene	20.0	15.72	79	55-110
Di-n-octylphthalate	20.0	15.71	79	35-135
Benzo(b)fluoranthene	20.0	15.11	76	45-120
Benzo(k)fluoranthene	20.0	13.55	68	45-125
Benzo(a)pyrene	20.0	13.96	70	55-110
Indeno(1,2,3-cd)pyrene	20.0	14.37	72	45-125
Dibenzo(a,h)anthracene	20.0	14.79	74	40-125
Benzo(g,h,i)perylene	20.0	13.99	70	40-125

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

Spike Recovery: 0 out of 67 outside limits

COMMENTS:

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

MS Run Sequence: R022905 MSD Run Sequence: R022905 SDG No.: CAB37

MS Client Sample No.: 16LCMW04DWMS MSD Client Sample No.: 16LCMW04DWMSD

MS Lab Sample ID: CAB37-003MS MSD Lab Sample ID: CAB37-003MSD

Level: N/A Units: ug/L

COMPOUND	SAMPLE CONC	MS SPIKE ADDED	MS CONC	MS % REC #	MSD SPIKE ADDED	MSD CONC	MSD % REC #	%RPD #	QC LIMITS	
									RPD	REC.
3 & 4-Methylphenol	0	19.2	16.9135	88	19.2	16.4904	86	3	30	30-110
Bis(2-chloroisopropyl)ether	0	19.2	15.8173	82	19.2	15.0096	78	5	30	35-110
Phenol	0	19.2	16.1731	84	19.2	16.9615	88	5	30	0-115
Bis(2-Chloroethyl)ether	0	19.2	15.625	81	19.2	14.9904	78	4	30	35-110
2-Chlorophenol	0	19.2	15.25	79	19.2	16.1731	84	6	30	35-105
1,3-Dichlorobenzene	0	19.2	7.9423	41	19.2	7.9135	41	0	30	30-100
1,4-Dichlorobenzene	0	19.2	7.8077	41	19.2	7.875	41	1	30	30-100
Benzyl alcohol	0	19.2	18.2885	95	19.2	17.1442	89	7	30	30-110
1,2-Dichlorobenzene	0	19.2	8.2692	43	19.2	8.0192	42	3	30	35-100
2-Methylphenol	0	19.2	15.3462	80	19.2	15.9135	83	4	30	40-110
N-Nitroso-di-n-propylamine	0	19.2	20.0962	105	19.2	17.5288	91	14	30	35-130
Hexachloroethane	0	19.2	7.125	37	19.2	7.3558	38	3	30	30-95
Nitrobenzene	0	19.2	14.7019	76	19.2	15.7308	82	7	30	45-110
Isophorone	0	19.2	16.4712	86	19.2	15.5288	81	6	30	50-110
2-Nitrophenol	0	19.2	16.1923	84	19.2	15.6731	81	3	30	40-115
2,4-Dimethylphenol	0	19.2	9.8654	51	19.2	13.9712	73	34 *	30	30-110
Benzoic acid	0	19.2	1.7115	9	19.2	0	0	200 *	30	0-125
Bis(2-chloroethoxy)methane	0	19.2	16.75	87	19.2	16.2404	84	3	30	45-105

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
@ This RPD or percent recovery is not flagged as an exceedence because the Sample Found amount is five times or more than the Spike Added amount.

RPD: 7 out of 67 outside limits
Spike Recovery: 4 out of 134 outside limits

COMMENTS:

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

MS Run Sequence: R022905 MSD Run Sequence: R022905 SDG No.: CAB37

MS Client Sample No.: 16LCMW04DWMS MSD Client Sample No.: 16LCMW04DWMSD

MS Lab Sample ID: CAB37-003MS MSD Lab Sample ID: CAB37-003MSD

Level: N/A Units: ug/L

COMPOUND	SAMPLE CONC	MS SPIKE ADDED	MS CONC	MS % REC #	MSD SPIKE ADDED	MSD CONC	MSD % REC #	%RPD #	QC LIMITS	
									RPD	REC.
2,4-Dichlorophenol	0	19.2	14.5096	75	19.2	14.7885	77	2	30	50-105
1,2,4-Trichlorobenzene	0	19.2	7.8077	41	19.2	8.0481	42	3	30	35-105
Naphthalene	0	19.2	9.3654	49	19.2	9.125	47	3	30	40-100
4-Chloroaniline	0	19.2	14.6635	76	19.2	14.6154	76	0	30	15-110
Hexachlorobutadiene	0	19.2	6.8558	36	19.2	7.4135	39	8	30	25-105
4-Chloro-3-methylphenol	0	19.2	16.5288	86	19.2	17.2788	90	4	30	45-110
2-Methylnaphthalene	0	19.2	10.4423	54	19.2	10.2885	54	2	30	45-105
Hexachlorocyclopentadiene	0	19.2	1.2596	7 *	19.2	0.8173	4 *	43 *	30	10-49
2,4,6-Trichlorophenol	0	19.2	16.8365	88	19.2	15.2212	79	10	30	50-115
2,4,5-Trichlorophenol	0	19.2	16.4327	85	19.2	16.3558	85	1	30	50-110
2-Chloronaphthalene	0	19.2	12.3462	64	19.2	11.6635	61	6	30	50-105
2-Nitroaniline	0	19.2	21.8558	114	19.2	21.75	113	1	30	50-115
Dimethylphthalate	0	19.2	16.5481	86	19.2	17.8846	93	8	30	25-125
2,6-Dinitrotoluene	0	19.2	16.0481	83	19.2	16.7115	87	4	30	50-115
Acenaphthylene	0	19.2	15.2115	79	19.2	15.0577	78	1	30	50-105
3-Nitroaniline	0	19.2	17.3173	90	19.2	18.0385	94	4	30	20-125
Acenaphthene	0	19.2	15.4423	80	19.2	14.7596	77	5	30	45-110
2,4-Dinitrophenol	0	19.2	13.6058	71	19.2	2	10 *	149 *	30	15-140

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
@ This RPD or percent recovery is not flagged as an exceedence because the Sample Found amount is five times or more than the Spike Added amount.

RPD: 7 out of 67 outside limits
Spike Recovery: 4 out of 134 outside limits

COMMENTS:

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

MS Run Sequence: R022905 MSD Run Sequence: R022905 SDG No.: CAB37

MS Client Sample No.: 16LCMW04DWMS MSD Client Sample No.: 16LCMW04DWMSD

MS Lab Sample ID: CAB37-003MS MSD Lab Sample ID: CAB37-003MSD

Level: N/A Units: ug/L

COMPOUND	SAMPLE CONC	MS SPIKE ADDED	MS CONC	MS % REC #	MSD SPIKE ADDED	MSD CONC	MSD % REC #	%RPD #	QC LIMITS	
									RPD	REC.
4-Nitrophenol	0	19.2	19.5192	101	19.2	13.6538	71	35 *	30	0-125
Dibenzofuran	0	19.2	15.7115	82	19.2	15.6346	81	1	30	55-105
2,4-Dinitrotoluene	0	19.2	17.7308	92	19.2	18.5481	96	5	30	50-120
Diethylphthalate	0	19.2	17.5962	92	19.2	17.3077	90	2	30	40-120
Fluorene	0	19.2	15.6538	81	19.2	16.4615	86	5	30	50-110
4-Chlorophenyl-phenylether	0	19.2	16.5481	86	19.2	17.1346	89	4	30	50-110
4-Nitroaniline	0	19.2	15.3654	80	19.2	15.75	82	3	30	35-120
4,6-Dinitro-2-methylphenol	0	19.2	16.5865	86	19.2	4.9904	26 *	108 *	30	40-130
N-Nitrosodiphenylamine	0	19.2	12.625	66	19.2	12.3269	64	2	30	50-110
4-Bromophenyl-phenyl ether	0	19.2	16.0577	83	19.2	15.9038	83	1	30	50-115
Hexachlorobenzene	0	19.2	16.4423	85	19.2	17.1442	89	4	30	50-110
Pentachlorophenol	0	19.2	15.9615	83	19.2	11.2596	59	35 *	30	40-115
Phenanthrene	0	19.2	15.6635	81	19.2	15.5769	81	1	30	50-115
Anthracene	0	19.2	15.3942	80	19.2	17.5385	91	13	20	55-110
Carbazole	0	19.2	17.8077	93	19.2	18.0962	94	2	30	50-115
Di-n-butylphthalate	0	19.2	18.9904	99	19.2	18.9904	99	0	30	55-115
Fluoranthene	0	19.2	18.1154	94	19.2	17.75	92	2	30	55-115
Benzidine	0	19.2	0	0	19.2	0.9038	5	200		0-125
Pyrene	0	19.2	15.5481	81	19.2	16.2115	84	4	30	50-130
Butylbenzylphthalate	0	19.2	16.9808	88	19.2	16.5481	86	3	30	45-115

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
@ This RPD or percent recovery is not flagged as an exceedence because the Sample Found amount is five times or more than the Spike Added amount.

RPD: 7 out of 67 outside limits
Spike Recovery: 4 out of 134 outside limits

COMMENTS:

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

MS Run Sequence: R022905 MSD Run Sequence: R022905 SDG No.: CAB37

MS Client Sample No.: 16LCMW04DWMS MSD Client Sample No.: 16LCMW04DWMSD

MS Lab Sample ID: CAB37-003MS MSD Lab Sample ID: CAB37-003MSD

Level: N/A Units: ug/L

COMPOUND	SAMPLE CONC	MS SPIKE ADDED	MS CONC	MS % REC #	MSD SPIKE ADDED	MSD CONC	MSD % REC #	%RPD #	QC LIMITS	
									RPD	REC.
3,3'-Dichlorobenzidine	0	19.2	15.7115	82	19.2	15.4231	80	2	30	20-110
Benzo(a)anthracene	0	19.2	17.2885	90	19.2	15.8942	83	8	30	55-110
Bis(2-ethylhexyl)phthalate	0	19.2	17.9904	94	19.2	20.1635	105	11	30	40-125
Chrysene	0	19.2	17.1635	89	19.2	16.9712	88	1	30	55-110
Di-n-octylphthalate	0	19.2	18.7115	97	19.2	17.5962	92	6	30	35-135
Benzo(b)fluoranthene	0	19.2	16.7981	87	19.2	15.3365	80	9	30	45-120
Benzo(k)fluoranthene	0	19.2	16.0962	84	19.2	15.6058	81	3	30	45-125
Benzo(a)pyrene	0	19.2	15.7692	82	19.2	15.875	83	1	30	55-110
Indeno(1,2,3-cd)pyrene	0	19.2	21.0385	109	19.2	20.9038	109	1	30	45-125
Dibenzo(a,h)anthracene	0	19.2	19.8654	103	19.2	20.1442	105	1	30	40-125
Benzo(g,h,i)perylene	0	19.2	19.6923	102	19.2	19.6538	102	0	30	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
@ This RPD or percent recovery is not flagged as an exceedence because the Sample Found amount is five times or more than the Spike Added amount.

RPD: 7 out of 67 outside limits
Spike Recovery: 4 out of 134 outside limits

COMMENTS:

4

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

B092607MSVWLT

Lab Name: Laucks Testing Labs Contract:

SDG No.: CAB37

Lab File ID: T1026003.D Lab Sample ID: B092607MSVWLT

Date Analyzed: 10/26/2007 Time Analyzed: 08:43

GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: HP 5972 (Donald) Matrix: Water

	CLIENT SAMPLE NO.	LAB SAMPLE ID.	LAB FILE ID.	DATE ANALYZED	TIME ANALYZED	RUN SEQUENCE
01	S092607MSVWLT	S092607MSVWLT	T1026004.D	10/26/2007	09:14	R022905
02	16LCMW04SW	CAB37-002	T1026008.D	10/26/2007	11:20	R022905
03	16LCMW04DW	CAB37-003	T1026009.D	10/26/2007	11:51	R022905
04	16LCMW04DWMS	CAB37-003MS	T1026010.D	10/26/2007	12:24	R022905
05	16LCMW04DWMSD	CAB37-003MSD	T1026011.D	10/26/2007	12:56	R022905
06	16LCMW03DW	CAB37-004	T1026012.D	10/26/2007	13:27	R022905
07	16LCMW03SW	CAB37-005	T1026013.D	10/26/2007	13:59	R022905
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COMMENTS:

4

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

B103007MSVWLO

Lab Name: Laucks Testing Labs Contract:

SDG No.: CAB37

Lab File ID: T1104011.D Lab Sample ID: B103007MSVWLO

Date Analyzed: 11/04/2007 Time Analyzed: 16:05

GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: HP 5972 (Donald) Matrix: Water

	CLIENT SAMPLE NO.	LAB SAMPLE ID.	LAB FILE ID.	DATE ANALYZED	TIME ANALYZED	RUN SEQUENCE
01	16LCMW04SWRX	CAB37-002RX	T1104014.D	11/04/2007	17:39	R023143
02	S103007MSVWLO	S103007MSVWLO	T1105016.D	11/05/2007	15:46	R023176
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COMMENTS:

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SEMIVOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

CLIENT SAMPLE NO.

DFTPP102207-1

Lab Name: Laucks Testing Labs Contract:

Run Sequence: CAL1199 SDG No.: CAB37

Lab File ID: T1022001.D DFTPP Injection Date: 10/22/2007

Instrument ID: HP 5972 (Donald) DFTPP Injection Time: 10:53

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30% to 60% of mass 198	39.9
68	less than 2% of mass 69	0 ()1
69	base peak, 100% relative abundance	100
70	less than 2% of mass 69	0.3 ()1
127	40% to 60% of mass 198	49.8
197	less than 1% of mass 198	0
198	base peak, 100% relative abundance	100
199	5% to 9% of mass 198	6.4
275	10% to 30% of mass 198	17.9
365	greater than 1% of mass 198	2
441	present but less than mass 443	78.1
442	greater than 40% of mass 198	60.1
443	17% to 23% of mass 442	19.2 ()2

1 - Value is %mass 69 2 - Value is% mass 442

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD001	SSTD001	T1022002.D	10/22/2007	11:12
02	SSTD040	SSTD040	T1022006.D	10/22/2007	13:21
03	SSTD060	SSTD060	T1022007.D	10/22/2007	13:53
04	SSTD080	SSTD080	T1022008.D	10/22/2007	14:26
05	SSTD005	SSTD005	T1022009.D	10/22/2007	14:58
06	SSTD010	SSTD010	T1022010.D	10/22/2007	15:31
07	SSTD025	SSTD025	T1022011.D	10/22/2007	16:03
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SEMIVOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

CLIENT SAMPLE NO.

DFTPP102607-1

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022905 SDG No.: CAB37

Lab File ID: T1026001.D DFTPP Injection Date: 10/26/2007

Instrument ID: HP 5972 (Donald) DFTPP Injection Time: 07:29

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30% to 60% of mass 198	44
68	less than 2% of mass 69	0 ()1
69	base peak, 100% relative abundance	100
70	less than 2% of mass 69	0 ()1
127	40% to 60% of mass 198	50.6
197	less than 1% of mass 198	0
198	base peak, 100% relative abundance	100
199	5% to 9% of mass 198	6.7
275	10% to 30% of mass 198	16.6
365	greater than 1% of mass 198	1.5
441	present but less than mass 443	84.8
442	greater than 40% of mass 198	42.9
443	17% to 23% of mass 442	19.1 ()2

1 - Value is %mass 69 2 - Value is% mass 442

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV102607-1	CCV102607-1	T1026002.D	10/26/2007	07:54
02	B092607MSVWLT	B092607MSVWLT	T1026003.D	10/26/2007	08:43
03	S092607MSVWLT	S092607MSVWLT	T1026004.D	10/26/2007	09:14
04	16LCMW04SW	CAB37-002	T1026008.D	10/26/2007	11:20
05	16LCMW04DW	CAB37-003	T1026009.D	10/26/2007	11:51
06	16LCMW04DWMS	CAB37-003MS	T1026010.D	10/26/2007	12:24
07	16LCMW04DWMSD	CAB37-003MSD	T1026011.D	10/26/2007	12:56
08	16LCMW03DW	CAB37-004	T1026012.D	10/26/2007	13:27
09	16LCMW03SW	CAB37-005	T1026013.D	10/26/2007	13:59
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SEMIVOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

CLIENT SAMPLE NO.

DFTPP110407-1

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R023143 SDG No.: CAB37

Lab File ID: T1104001.D DFTPP Injection Date: 11/04/2007

Instrument ID: HP 5972 (Donald) DFTPP Injection Time: 11:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30% to 60% of mass 198	31.6
68	less than 2% of mass 69	0 ()1
69	base peak, 100% relative abundance	100
70	less than 2% of mass 69	0 ()1
127	40% to 60% of mass 198	46.8
197	less than 1% of mass 198	0
198	base peak, 100% relative abundance	100
199	5% to 9% of mass 198	6.9
275	10% to 30% of mass 198	16.8
365	greater than 1% of mass 198	1.4
441	present but less than mass 443	79.7
442	greater than 40% of mass 198	48
443	17% to 23% of mass 442	19.6 ()2

1 - Value is %mass 69 2 - Value is% mass 442

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV110407-1	CCV110407-1	T1104002.D	11/04/2007	12:26
02	B103007MSVWLO	B103007MSVWLO	T1104011.D	11/04/2007	16:05
03	16LCMW04SWRX	CAB37-002RX	T1104014.D	11/04/2007	17:39
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SEMIVOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

CLIENT SAMPLE NO.

DFTPP110507-2

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R023176 SDG No.: CAB37

Lab File ID: T1105012.D DFTPP Injection Date: 11/05/2007

Instrument ID: HP 5972 (Donald) DFTPP Injection Time: 13:50

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30% to 60% of mass 198	30.9
68	less than 2% of mass 69	0 ()1
69	base peak, 100% relative abundance	100
70	less than 2% of mass 69	0.4 ()1
127	40% to 60% of mass 198	46.8
197	less than 1% of mass 198	0
198	base peak, 100% relative abundance	100
199	5% to 9% of mass 198	6.8
275	10% to 30% of mass 198	15.8
365	greater than 1% of mass 198	1.6
441	present but less than mass 443	83.3
442	greater than 40% of mass 198	50.4
443	17% to 23% of mass 442	18.4 ()2

1 - Value is %mass 69 2 - Value is% mass 442

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV110507-2	CCV110507-2	T1105013.D	11/05/2007	14:09
02	S103007MSVWLO	S103007MSVWLO	T1105016.D	11/05/2007	15:46
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SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022905 SDG No.: CAB37

Client Sample No.: CCV102607-1 Date Analyzed: 10/26/2007

Lab File ID (Standard): T1026002.D Time Analyzed: 07:54

Instrument ID: HP 5972 (Donald) GC Column: RXI-5Sil MS ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	109210	5.46	445562	6.90	228748	9.01
	UPPER LIMIT	218420	5.96	891124	7.4	457496	9.51
	LOWER LIMIT	54605	4.96	222781	6.4	114374	8.51
	CLIENT SAMPLE NO.						
01	B092607MSVWLT	105644	5.46	422351	6.90	238831	9.01
02	S092607MSVWLT	110354	5.46	429685	6.90	218750	9.00
03	16LCMW04SW	99442	5.46	379932	6.90	222792	9.01
04	16LCMW04DW	102217	5.47	398988	6.90	210562	9.00
05	16LCMW04DWMS	98128	5.47	406633	6.90	212770	9.00
06	16LCMW04DWMSD	95889	5.47	383978	6.90	199107	9.00
07	16LCMW03DW	88271	5.46	355052	6.90	193361	9.01
08	16LCMW03SW	91716	5.46	352626	6.90	187986	9.01
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022905 SDG No.: CAB37

Client Sample No.: CCV102607-1 Date Analyzed: 10/26/2007

Lab File ID (Standard): T1026002.D Time Analyzed: 07:54

Instrument ID: HP 5972 (Donald) GC Column: RXI-5Sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	327226		10.81		243738		14.50		176121		17.53	
	UPPER LIMIT	654452		11.31		487476		15		352242		18.03	
	LOWER LIMIT	163613		10.31		121869		14		88060.5		17.03	
	CLIENT SAMPLE NO.												
01	B092607MSVWLT	331503		10.80		265365		14.50		219361		17.53	
02	S092607MSVWLT	325188		10.81		254085		14.50		209884		17.53	
03	16LCMW04SW	324323		10.80		268557		14.50		210085		17.53	
04	16LCMW04DW	300927		10.81		271028		14.49		194100		17.53	
05	16LCMW04DWMS	294400		10.81		236227		14.50		168094		17.53	
06	16LCMW04DWMSD	288596		10.81		236933		14.50		177414		17.53	
07	16LCMW03DW	295294		10.81		264862		14.50		189405		17.53	
08	16LCMW03SW	268464		10.80		223919		14.50		163223		17.52	
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R023143 SDG No.: CAB37

Client Sample No.: CCV110407-1 Date Analyzed: 11/04/2007

Lab File ID (Standard): T1104002.D Time Analyzed: 12:26

Instrument ID: HP 5972 (Donald) GC Column: RXI-5Sil MS ID: 0.25 (mm)

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	163822		5.37		695252		6.81		341479		8.91	
	UPPER LIMIT	327644		5.87		1390504		7.31		682958		9.41	
	LOWER LIMIT	81911		4.87		347626		6.31		170739.5		8.41	
	CLIENT SAMPLE NO.												
01	B103007MSVWLO	150648		5.37		628153		6.81		308017		8.91	
02	16LCMW04SWRX	137423		5.37		585086		6.80		288868		8.90	
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

8

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R023143 SDG No.: CAB37

Client Sample No.: CCV110407-1 Date Analyzed: 11/04/2007

Lab File ID (Standard): T1104002.D Time Analyzed: 12:26

Instrument ID: HP 5972 (Donald) GC Column: RXI-5Sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	518714	10.70	393411	14.35	303498	17.32
	UPPER LIMIT	1037428	11.2	786822	14.85	606996	17.82
	LOWER LIMIT	259357	10.2	196705.5	13.85	151749	16.82
	CLIENT SAMPLE NO.						
01	B103007MSVWLO	498264	10.70	383246	14.34	214312	17.31
02	16LCMW04SWRX	490627	10.71	350972	14.33	208654	17.31
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

8

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R023176 SDG No.: CAB37

Client Sample No.: CCV110507-2 Date Analyzed: 11/05/2007

Lab File ID (Standard): T1105013.D Time Analyzed: 14:09

Instrument ID: HP 5972 (Donald) GC Column: RXI-5Sil MS ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	178408	5.35	700847	6.79	362188	8.89
	UPPER LIMIT	356816	5.85	1401694	7.29	724376	9.39
	LOWER LIMIT	89204	4.85	350423.5	6.29	181094	8.39
	CLIENT SAMPLE NO.						
01	S103007MSVWLO	143973	5.36	589255	6.79	297252	8.89
02							
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22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

8

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R023176 SDG No.: CAB37

Client Sample No.: CCV110507-2 Date Analyzed: 11/05/2007

Lab File ID (Standard): T1105013.D Time Analyzed: 14:09

Instrument ID: HP 5972 (Donald) GC Column: RXI-5Sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	554716		10.70		445745		14.32		368340		17.29	
	UPPER LIMIT	1109432		11.2		891490		14.82		736680		17.79	
	LOWER LIMIT	277358		10.2		222872.5		13.82		184170		16.79	
	CLIENT SAMPLE NO.												
01	S103007MSVWLO	470523		10.69		388239		14.32		307201		17.29	
02													
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04SW

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB37

Run Sequence: R022905

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-002

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: T1026008.D

Level: (LOW/MED)

Date Collected: 09/19/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/26/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/26/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
108-39-4/	3 & 4-Methylphenol	4.8	U
108-60-1	Bis(2-chloroisopropyl)ether	4.8	U
108-95-2	Phenol	4.8	U
111-44-4	Bis(2-Chloroethyl)ether	4.8	U
95-57-8	2-Chlorophenol	4.8	U
541-73-1	1,3-Dichlorobenzene	4.8	U
106-46-7	1,4-Dichlorobenzene	4.8	U
100-51-6	Benzyl alcohol	4.8	U
95-50-1	1,2-Dichlorobenzene	4.8	U
95-48-7	2-Methylphenol	4.8	U
621-64-7	N-Nitroso-di-n-propylamine	4.8	U
67-72-1	Hexachloroethane	4.8	U
98-95-3	Nitrobenzene	4.8	U
78-59-1	Isophorone	4.8	U
88-75-5	2-Nitrophenol	4.8	U
105-67-9	2,4-Dimethylphenol	4.8	U
65-85-0	Benzoic acid	9.5	U
111-91-1	Bis(2-chloroethoxy)methane	4.8	U
120-83-2	2,4-Dichlorophenol	4.8	U
120-82-1	1,2,4-Trichlorobenzene	4.8	U
91-20-3	Naphthalene	4.8	U
106-47-8	4-Chloroaniline	4.8	U
87-68-3	Hexachlorobutadiene	4.8	U
59-50-7	4-Chloro-3-methylphenol	4.8	U
91-57-6	2-Methylnaphthalene	4.8	U
77-47-4	Hexachlorocyclopentadiene	4.8	U

1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04SW

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB37

Run Sequence: R022905

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-002

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: T1026008.D

Level: (LOW/MED)

Date Collected: 09/19/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/26/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/26/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
88-06-2	2,4,6-Trichlorophenol	4.8	U
95-95-4	2,4,5-Trichlorophenol	4.8	U
91-58-7	2-Chloronaphthalene	4.8	U
88-74-4	2-Nitroaniline	4.8	U
131-11-3	Dimethylphthalate	4.8	U
606-20-2	2,6-Dinitrotoluene	4.8	U
208-96-8	Acenaphthylene	4.8	U
99-09-2	3-Nitroaniline	4.8	U
83-32-9	Acenaphthene	4.8	U
51-28-5	2,4-Dinitrophenol	9.5	U
100-02-7	4-Nitrophenol	4.8	U
132-64-9	Dibenzofuran	4.8	U
121-14-2	2,4-Dinitrotoluene	4.8	U
84-66-2	Diethylphthalate	4.8	U
86-73-7	Fluorene	4.8	U
7005-72-3	4-Chlorophenyl-phenylether	4.8	U
100-01-6	4-Nitroaniline	4.8	U
534-52-1	4,6-Dinitro-2-methylphenol	4.8	U
86-30-6	N-Nitrosodiphenylamine	4.8	U
122-66-7	Azobenzene	4.8	U
101-55-3	4-Bromophenyl-phenyl ether	4.8	U
118-74-1	Hexachlorobenzene	4.8	U
87-86-5	Pentachlorophenol	4.8	U
85-01-8	Phenanthrene	4.8	U
120-12-7	Anthracene	4.8	U
86-74-8	Carbazole	4.8	U
84-74-2	Di-n-butylphthalate	4.8	U
206-44-0	Fluoranthene	4.8	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04SW

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB37

Run Sequence: R022905

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-002

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: T1026008.D

Level: (LOW/MED)

Date Collected: 09/19/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/26/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/26/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
92-87-5	Benzidine	4.8	U
129-00-0	Pyrene	4.8	U
85-68-7	Butylbenzylphthalate	4.8	U
91-94-1	3,3'-Dichlorobenzidine	4.8	U
56-55-3	Benzo(a)anthracene	4.8	U
117-81-7	Bis(2-ethylhexyl)phthalate	4.8	U
218-01-9	Chrysene	4.8	U
117-84-0	Di-n-octylphthalate	4.8	U
205-99-2	Benzo(b)fluoranthene	4.8	U
207-08-9	Benzo(k)fluoranthene	4.8	U
50-32-8	Benzo(a)pyrene	4.8	U
193-39-5	Indeno(1,2,3-cd)pyrene	4.8	U
53-70-3	Dibenzo(a,h)anthracene	4.8	U
191-24-2	Benzo(g,h,i)perylene	4.8	U

Comments:

1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04SWRX

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB37

Run Sequence: R023143

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-002RX

Sample wt/vol: 1040.0 (g/mL) mL

Lab File ID: T1104014.D

Level: (LOW/MED)

Date Collected: 09/19/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 10/30/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/04/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
108-39-4/	3 & 4-Methylphenol	4.8	U
108-60-1	Bis(2-chloroisopropyl)ether	4.8	U
108-95-2	Phenol	4.8	U
111-44-4	Bis(2-Chloroethyl)ether	4.8	U
95-57-8	2-Chlorophenol	4.8	U
541-73-1	1,3-Dichlorobenzene	4.8	U
106-46-7	1,4-Dichlorobenzene	4.8	U
100-51-6	Benzyl alcohol	4.8	U
95-50-1	1,2-Dichlorobenzene	4.8	U
95-48-7	2-Methylphenol	4.8	U
621-64-7	N-Nitroso-di-n-propylamine	4.8	U
67-72-1	Hexachloroethane	4.8	U
98-95-3	Nitrobenzene	4.8	U
78-59-1	Isophorone	4.8	U
88-75-5	2-Nitrophenol	4.8	U
105-67-9	2,4-Dimethylphenol	4.8	U
65-85-0	Benzoic acid	9.6	U
111-91-1	Bis(2-chloroethoxy)methane	4.8	U
120-83-2	2,4-Dichlorophenol	4.8	U
120-82-1	1,2,4-Trichlorobenzene	4.8	U
91-20-3	Naphthalene	4.8	U
106-47-8	4-Chloroaniline	4.8	U
87-68-3	Hexachlorobutadiene	4.8	U
59-50-7	4-Chloro-3-methylphenol	4.8	U
91-57-6	2-Methylnaphthalene	4.8	U
77-47-4	Hexachlorocyclopentadiene	4.8	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04SWRX

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB37

Run Sequence: R023143

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-002RX

Sample wt/vol: 1040.0 (g/mL) mL

Lab File ID: T1104014.D

Level: (LOW/MED)

Date Collected: 09/19/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 10/30/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/04/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
88-06-2	2,4,6-Trichlorophenol	4.8	U
95-95-4	2,4,5-Trichlorophenol	4.8	U
91-58-7	2-Chloronaphthalene	4.8	U
88-74-4	2-Nitroaniline	4.8	U
131-11-3	Dimethylphthalate	4.8	U
606-20-2	2,6-Dinitrotoluene	4.8	U
208-96-8	Acenaphthylene	4.8	U
99-09-2	3-Nitroaniline	4.8	U
83-32-9	Acenaphthene	4.8	U
51-28-5	2,4-Dinitrophenol	9.6	U
100-02-7	4-Nitrophenol	4.8	U
132-64-9	Dibenzofuran	4.8	U
121-14-2	2,4-Dinitrotoluene	4.8	U
84-66-2	Diethylphthalate	4.8	U
86-73-7	Fluorene	4.8	U
7005-72-3	4-Chlorophenyl-phenylether	4.8	U
100-01-6	4-Nitroaniline	4.8	U
534-52-1	4,6-Dinitro-2-methylphenol	4.8	U
86-30-6	N-Nitrosodiphenylamine	4.8	U
122-66-7	Azobenzene	4.8	U
101-55-3	4-Bromophenyl-phenyl ether	4.8	U
118-74-1	Hexachlorobenzene	4.8	U
87-86-5	Pentachlorophenol	4.8	U
85-01-8	Phenanthrene	4.8	U
120-12-7	Anthracene	4.8	U
86-74-8	Carbazole	4.8	U
84-74-2	Di-n-butylphthalate	4.8	U
206-44-0	Fluoranthene	4.8	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04SWRX

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB37

Run Sequence: R023143

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-002RX

Sample wt/vol: 1040.0 (g/mL) mL

Lab File ID: T1104014.D

Level: (LOW/MED)

Date Collected: 09/19/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 10/30/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/04/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
92-87-5	Benzidine	4.8	U
129-00-0	Pyrene	4.8	U
85-68-7	Butylbenzylphthalate	4.8	U
91-94-1	3,3'-Dichlorobenzidine	4.8	U
56-55-3	Benzo(a)anthracene	4.8	U
117-81-7	Bis(2-ethylhexyl)phthalate	4.8	U
218-01-9	Chrysene	4.8	U
117-84-0	Di-n-octylphthalate	4.8	U
205-99-2	Benzo(b)fluoranthene	4.8	U
207-08-9	Benzo(k)fluoranthene	4.8	U
50-32-8	Benzo(a)pyrene	4.8	U
193-39-5	Indeno(1,2,3-cd)pyrene	4.8	U
53-70-3	Dibenzo(a,h)anthracene	4.8	U
191-24-2	Benzo(g,h,i)perylene	4.8	U

Comments:

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04DW

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB37

Run Sequence: R022905

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-003

Sample wt/vol: 1040.0 (g/mL) mL

Lab File ID: T1026009.D

Level: (LOW/MED)

Date Collected: 09/19/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/26/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/26/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
108-39-4/	3 & 4-Methylphenol	4.8	U
108-60-1	Bis(2-chloroisopropyl)ether	4.8	U
108-95-2	Phenol	4.8	U
111-44-4	Bis(2-Chloroethyl)ether	4.8	U
95-57-8	2-Chlorophenol	4.8	U
541-73-1	1,3-Dichlorobenzene	4.8	U
106-46-7	1,4-Dichlorobenzene	4.8	U
100-51-6	Benzyl alcohol	4.8	U
95-50-1	1,2-Dichlorobenzene	4.8	U
95-48-7	2-Methylphenol	4.8	U
621-64-7	N-Nitroso-di-n-propylamine	4.8	U
67-72-1	Hexachloroethane	4.8	U
98-95-3	Nitrobenzene	4.8	U
78-59-1	Isophorone	4.8	U
88-75-5	2-Nitrophenol	4.8	U
105-67-9	2,4-Dimethylphenol	4.8	U
65-85-0	Benzoic acid	9.6	U
111-91-1	Bis(2-chloroethoxy)methane	4.8	U
120-83-2	2,4-Dichlorophenol	4.8	U
120-82-1	1,2,4-Trichlorobenzene	4.8	U
91-20-3	Naphthalene	4.8	U
106-47-8	4-Chloroaniline	4.8	U
87-68-3	Hexachlorobutadiene	4.8	U
59-50-7	4-Chloro-3-methylphenol	4.8	U
91-57-6	2-Methylnaphthalene	4.8	U
77-47-4	Hexachlorocyclopentadiene	4.8	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04DW

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB37

Run Sequence: R022905

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-003

Sample wt/vol: 1040.0 (g/mL) mL

Lab File ID: T1026009.D

Level: (LOW/MED)

Date Collected: 09/19/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/26/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/26/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
88-06-2	2,4,6-Trichlorophenol	4.8	U
95-95-4	2,4,5-Trichlorophenol	4.8	U
91-58-7	2-Chloronaphthalene	4.8	U
88-74-4	2-Nitroaniline	4.8	U
131-11-3	Dimethylphthalate	4.8	U
606-20-2	2,6-Dinitrotoluene	4.8	U
208-96-8	Acenaphthylene	4.8	U
99-09-2	3-Nitroaniline	4.8	U
83-32-9	Acenaphthene	4.8	U
51-28-5	2,4-Dinitrophenol	9.6	U
100-02-7	4-Nitrophenol	4.8	U
132-64-9	Dibenzofuran	4.8	U
121-14-2	2,4-Dinitrotoluene	4.8	U
84-66-2	Diethylphthalate	4.8	U
86-73-7	Fluorene	4.8	U
7005-72-3	4-Chlorophenyl-phenylether	4.8	U
100-01-6	4-Nitroaniline	4.8	U
534-52-1	4,6-Dinitro-2-methylphenol	4.8	U
86-30-6	N-Nitrosodiphenylamine	4.8	U
122-66-7	Azobenzene	4.8	U
101-55-3	4-Bromophenyl-phenyl ether	4.8	U
118-74-1	Hexachlorobenzene	4.8	U
87-86-5	Pentachlorophenol	4.8	U
85-01-8	Phenanthrene	4.8	U
120-12-7	Anthracene	4.8	U
86-74-8	Carbazole	4.8	U
84-74-2	Di-n-butylphthalate	4.8	U
206-44-0	Fluoranthene	4.8	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04DW

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB37

Run Sequence: R022905

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-003

Sample wt/vol: 1040.0 (g/mL) mL

Lab File ID: T1026009.D

Level: (LOW/MED)

Date Collected: 09/19/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/26/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/26/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
92-87-5	Benzidine	4.8	U
129-00-0	Pyrene	4.8	U
85-68-7	Butylbenzylphthalate	4.8	U
91-94-1	3,3'-Dichlorobenzidine	4.8	U
56-55-3	Benzo(a)anthracene	4.8	U
117-81-7	Bis(2-ethylhexyl)phthalate	4.8	U
218-01-9	Chrysene	4.8	U
117-84-0	Di-n-octylphthalate	4.8	U
205-99-2	Benzo(b)fluoranthene	4.8	U
207-08-9	Benzo(k)fluoranthene	4.8	U
50-32-8	Benzo(a)pyrene	4.8	U
193-39-5	Indeno(1,2,3-cd)pyrene	4.8	U
53-70-3	Dibenzo(a,h)anthracene	4.8	U
191-24-2	Benzo(g,h,i)perylene	4.8	U

Comments:

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW03DW

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB37

Run Sequence: R022905

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-004

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: T1026012.D

Level: (LOW/MED)

Date Collected: 09/19/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/26/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/26/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
108-39-4/	3 & 4-Methylphenol	4.8	U
108-60-1	Bis(2-chloroisopropyl)ether	4.8	U
108-95-2	Phenol	4.8	U
111-44-4	Bis(2-Chloroethyl)ether	4.8	U
95-57-8	2-Chlorophenol	4.8	U
541-73-1	1,3-Dichlorobenzene	4.8	U
106-46-7	1,4-Dichlorobenzene	4.8	U
100-51-6	Benzyl alcohol	4.8	U
95-50-1	1,2-Dichlorobenzene	4.8	U
95-48-7	2-Methylphenol	4.8	U
621-64-7	N-Nitroso-di-n-propylamine	4.8	U
67-72-1	Hexachloroethane	4.8	U
98-95-3	Nitrobenzene	4.8	U
78-59-1	Isophorone	4.8	U
88-75-5	2-Nitrophenol	4.8	U
105-67-9	2,4-Dimethylphenol	4.8	U
65-85-0	Benzoic acid	9.5	U
111-91-1	Bis(2-chloroethoxy)methane	4.8	U
120-83-2	2,4-Dichlorophenol	4.8	U
120-82-1	1,2,4-Trichlorobenzene	4.8	U
91-20-3	Naphthalene	4.8	U
106-47-8	4-Chloroaniline	4.8	U
87-68-3	Hexachlorobutadiene	4.8	U
59-50-7	4-Chloro-3-methylphenol	4.8	U
91-57-6	2-Methylnaphthalene	4.8	U
77-47-4	Hexachlorocyclopentadiene	4.8	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW03DW

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB37

Run Sequence: R022905

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-004

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: T1026012.D

Level: (LOW/MED)

Date Collected: 09/19/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/26/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/26/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
88-06-2	2,4,6-Trichlorophenol	4.8	U
95-95-4	2,4,5-Trichlorophenol	4.8	U
91-58-7	2-Chloronaphthalene	4.8	U
88-74-4	2-Nitroaniline	4.8	U
131-11-3	Dimethylphthalate	4.8	U
606-20-2	2,6-Dinitrotoluene	4.8	U
208-96-8	Acenaphthylene	4.8	U
99-09-2	3-Nitroaniline	4.8	U
83-32-9	Acenaphthene	4.8	U
51-28-5	2,4-Dinitrophenol	9.5	U
100-02-7	4-Nitrophenol	4.8	U
132-64-9	Dibenzofuran	4.8	U
121-14-2	2,4-Dinitrotoluene	4.8	U
84-66-2	Diethylphthalate	4.8	U
86-73-7	Fluorene	4.8	U
7005-72-3	4-Chlorophenyl-phenylether	4.8	U
100-01-6	4-Nitroaniline	4.8	U
534-52-1	4,6-Dinitro-2-methylphenol	4.8	U
86-30-6	N-Nitrosodiphenylamine	4.8	U
122-66-7	Azobenzene	4.8	U
101-55-3	4-Bromophenyl-phenyl ether	4.8	U
118-74-1	Hexachlorobenzene	4.8	U
87-86-5	Pentachlorophenol	4.8	U
85-01-8	Phenanthrene	4.8	U
120-12-7	Anthracene	4.8	U
86-74-8	Carbazole	4.8	U
84-74-2	Di-n-butylphthalate	4.8	U
206-44-0	Fluoranthene	4.8	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW03DW

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB37

Run Sequence: R022905

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-004

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: T1026012.D

Level: (LOW/MED)

Date Collected: 09/19/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/26/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/26/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
92-87-5	Benzidine	4.8	U
129-00-0	Pyrene	4.8	U
85-68-7	Butylbenzylphthalate	4.8	U
91-94-1	3,3'-Dichlorobenzidine	4.8	U
56-55-3	Benzo(a)anthracene	4.8	U
117-81-7	Bis(2-ethylhexyl)phthalate	4.8	U
218-01-9	Chrysene	4.8	U
117-84-0	Di-n-octylphthalate	4.8	U
205-99-2	Benzo(b)fluoranthene	4.8	U
207-08-9	Benzo(k)fluoranthene	4.8	U
50-32-8	Benzo(a)pyrene	4.8	U
193-39-5	Indeno(1,2,3-cd)pyrene	4.8	U
53-70-3	Dibenzo(a,h)anthracene	4.8	U
191-24-2	Benzo(g,h,i)perylene	4.8	U

Comments:

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW03SW

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB37

Run Sequence: R022905

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-005

Sample wt/vol: 1060.0 (g/mL) mL

Lab File ID: T1026013.D

Level: (LOW/MED)

Date Collected: 09/19/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/26/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/26/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
108-39-4/	3 & 4-Methylphenol	4.7	U
108-60-1	Bis(2-chloroisopropyl)ether	4.7	U
108-95-2	Phenol	4.7	U
111-44-4	Bis(2-Chloroethyl)ether	4.7	U
95-57-8	2-Chlorophenol	4.7	U
541-73-1	1,3-Dichlorobenzene	4.7	U
106-46-7	1,4-Dichlorobenzene	4.7	U
100-51-6	Benzyl alcohol	4.7	U
95-50-1	1,2-Dichlorobenzene	4.7	U
95-48-7	2-Methylphenol	4.7	U
621-64-7	N-Nitroso-di-n-propylamine	4.7	U
67-72-1	Hexachloroethane	4.7	U
98-95-3	Nitrobenzene	4.7	U
78-59-1	Isophorone	4.7	U
88-75-5	2-Nitrophenol	4.7	U
105-67-9	2,4-Dimethylphenol	4.7	U
65-85-0	Benzoic acid	9.4	U
111-91-1	Bis(2-chloroethoxy)methane	4.7	U
120-83-2	2,4-Dichlorophenol	4.7	U
120-82-1	1,2,4-Trichlorobenzene	4.7	U
91-20-3	Naphthalene	4.7	U
106-47-8	4-Chloroaniline	4.7	U
87-68-3	Hexachlorobutadiene	4.7	U
59-50-7	4-Chloro-3-methylphenol	4.7	U
91-57-6	2-Methylnaphthalene	4.7	U
77-47-4	Hexachlorocyclopentadiene	4.7	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW03SW

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB37

Run Sequence: R022905

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-005

Sample wt/vol: 1060.0 (g/mL) mL

Lab File ID: T1026013.D

Level: (LOW/MED)

Date Collected: 09/19/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/26/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/26/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
88-06-2	2,4,6-Trichlorophenol	4.7	U
95-95-4	2,4,5-Trichlorophenol	4.7	U
91-58-7	2-Chloronaphthalene	4.7	U
88-74-4	2-Nitroaniline	4.7	U
131-11-3	Dimethylphthalate	4.7	U
606-20-2	2,6-Dinitrotoluene	4.7	U
208-96-8	Acenaphthylene	4.7	U
99-09-2	3-Nitroaniline	4.7	U
83-32-9	Acenaphthene	4.7	U
51-28-5	2,4-Dinitrophenol	9.4	U
100-02-7	4-Nitrophenol	4.7	U
132-64-9	Dibenzofuran	4.7	U
121-14-2	2,4-Dinitrotoluene	4.7	U
84-66-2	Diethylphthalate	4.7	U
86-73-7	Fluorene	4.7	U
7005-72-3	4-Chlorophenyl-phenylether	4.7	U
100-01-6	4-Nitroaniline	4.7	U
534-52-1	4,6-Dinitro-2-methylphenol	4.7	U
86-30-6	N-Nitrosodiphenylamine	4.7	U
122-66-7	Azobenzene	4.7	U
101-55-3	4-Bromophenyl-phenyl ether	4.7	U
118-74-1	Hexachlorobenzene	4.7	U
87-86-5	Pentachlorophenol	4.7	U
85-01-8	Phenanthrene	4.7	U
120-12-7	Anthracene	4.7	U
86-74-8	Carbazole	4.7	U
84-74-2	Di-n-butylphthalate	4.7	U
206-44-0	Fluoranthene	4.7	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW03SW

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB37

Run Sequence: R022905

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-005

Sample wt/vol: 1060.0 (g/mL) mL

Lab File ID: T1026013.D

Level: (LOW/MED)

Date Collected: 09/19/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/26/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/26/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
92-87-5	Benzidine	4.7	U
129-00-0	Pyrene	4.7	U
85-68-7	Butylbenzylphthalate	4.7	U
91-94-1	3,3'-Dichlorobenzidine	4.7	U
56-55-3	Benzo(a)anthracene	4.7	U
117-81-7	Bis(2-ethylhexyl)phthalate	4.7	U
218-01-9	Chrysene	4.7	U
117-84-0	Di-n-octylphthalate	4.7	U
205-99-2	Benzo(b)fluoranthene	4.7	U
207-08-9	Benzo(k)fluoranthene	4.7	U
50-32-8	Benzo(a)pyrene	4.7	U
193-39-5	Indeno(1,2,3-cd)pyrene	4.7	U
53-70-3	Dibenzo(a,h)anthracene	4.7	U
191-24-2	Benzo(g,h,i)perylene	4.7	U

Comments:

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022905 SDG No.: CAB37

Instrument ID: HP 5972 (Donald) Calibration Dates: 10/22/2007 12:15

Heated Purge: (Y/N) N Calibration Times: 10/22/2007 12:15

GC Column: RXI-5Sil MS ID: 0.25 (mm) Mean % RSD: 7.16

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8	$\overline{RF}$	%RSD	r^2 COD	Eq Ty
3 & 4-Methylphenol	1		5	1.604E+00	10	1.345E+00	25	1.526E+00	40	1.383E+00	60	1.311E+00	80	1.266E+0			1.406	9.35		A
Bis(2-chloroisopropyl)ether	1		5	2.650E+00	10	2.239E+00	25	2.592E+00	40	2.388E+00	60	2.280E+00	80	2.141E+0			2.382	8.49		A
Phenol	1		5	1.967E+00	10	1.846E+00	25	2.038E+00	40	1.835E+00	60	1.768E+00	80	1.765E+0			1.870	5.92		A
Bis(2-Chloroethyl)ether	1	1.390E+00	5	1.724E+00	10	1.599E+00	25	1.786E+00	40	1.507E+00	60	1.519E+00	80	1.411E+0			1.563	9.63		A
2-Chlorophenol	1		5	1.519E+00	10	1.404E+00	25	1.615E+00	40	1.463E+00	60	1.355E+00	80	1.402E+0			1.460	6.50		A
1,3-Dichlorobenzene	1		5	1.570E+00	10	1.448E+00	25	1.554E+00	40	1.401E+00	60	1.419E+00	80	1.378E+0			1.462	5.55		A
1,4-Dichlorobenzene	1		5	1.666E+00	10	1.466E+00	25	1.625E+00	40	1.461E+00	60	1.452E+00	80	1.471E+0			1.524	6.26		A
Benzyl alcohol	1		5	1.105E+00	10	9.070E-01	25	1.081E+00	40	9.490E-01	60	9.630E-01	80	9.910E-01			0.999	7.78		A
1,2-Dichlorobenzene	1		5	1.536E+00	10	1.348E+00	25	1.559E+00	40	1.395E+00	60	1.318E+00	80	1.285E+0			1.407	8.20		A
2-Methylphenol	1		5	1.480E+00	10	1.325E+00	25	1.489E+00	40	1.329E+00	60	1.350E+00	80	1.272E+0			1.374	6.51		A
N-Nitroso-di-n-propylamine	1	8.040E-01	5	1.051E+00	10	8.700E-01	25	9.729E-01	40	8.669E-01	60	8.019E-01	80	8.130E-01			0.883	10.80		A
Hexachloroethane	1		5	7.620E-01	10	6.769E-01	25	7.609E-01	40	7.020E-01	60	7.089E-01	80	6.949E-01			0.718	4.98		A
Nitrobenzene	1		5	4.090E-01	10	3.470E-01	25	3.939E-01	40	3.630E-01	60	3.560E-01	80	3.440E-01			0.369	7.18		A
Isophorone	1		5	7.829E-01	10	6.990E-01	25	6.959E-01	40	6.900E-01	60	6.639E-01	80	6.520E-01			0.697	6.60		A
2-Nitrophenol	1		5	1.879E-01	10	1.710E-01	25	2.230E-01	40	1.879E-01	60	1.980E-01	80	2.080E-01			0.196	9.29		A
2,4-Dimethylphenol	1		5	4.350E-01	10	3.730E-01	25	4.180E-01	40	3.600E-01	60	3.670E-01	80	3.560E-01			0.385	8.69		A
Benzoic acid	1		5	7.599E-02	10	8.699E-02	25	1.250E-01	40	1.589E-01	60	1.920E-01	80	1.920E-01			0.138		0.993	Q
Bis(2-chloroethoxy)methane	1		5	5.619E-01	10	4.550E-01	25	5.280E-01	40	4.910E-01	60	4.540E-01	80	4.519E-01			0.490	9.38		A
2,4-Dichlorophenol	1		5	2.890E-01	10	2.989E-01	25	3.129E-01	40	2.770E-01	60	2.879E-01	80	2.879E-01			0.292	4.26		A
1,2,4-Trichlorobenzene	1		5	3.339E-01	10	2.960E-01	25	3.210E-01	40	2.980E-01	60	2.989E-01	80	3.019E-01			0.308	5.08		A
Naphthalene	1		5	1.173E+00	10	1.092E+00	25	1.149E+00	40	1.003E+00	60	9.980E-01	80	9.969E-01			1.069	7.53		A
4-Chloroaniline	1		5	5.510E-01	10	4.910E-01	25	5.379E-01	40	4.790E-01	60	4.400E-01	80	4.429E-01			0.490	9.45		A
Hexachlorobutadiene	1		5	1.520E-01	10	1.390E-01	25	1.530E-01	40	1.390E-01	60	1.340E-01	80	1.369E-01			0.142	5.60		A
4-Chloro-3-methylphenol	1		5	3.470E-01	10	3.030E-01	25	3.700E-01	40	3.010E-01	60	3.269E-01	80	3.100E-01			0.326	8.42		A

Eq Ty = Equation Type
Q=Quadratic, L=Linear, A=Average

* SPCCs #

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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022905 SDG No.: CAB37

Instrument ID: HP 5972 (Donald) Calibration Dates: 10/22/2007 12:15

Heated Purge: (Y/N) N Calibration Times: 10/22/2007 12:15

GC Column: RXI-5Sil MS ID: 0.25 (mm) Mean % RSD: 7.16

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8	$\overline{RF}$	%RSD	r^2 COD	Eq Ty
2-Methylnaphthalene	1		5	6.959E-01	10	5.939E-01	25	6.570E-01	40	5.970E-01	60	6.079E-01	80	5.799E-01			0.622	7.23		A
Hexachlorocyclopentadiene	1		5	2.520E-01	10	2.590E-01	25	2.820E-01	40	2.420E-01	60	2.820E-01	80	2.590E-01			0.263	6.15		A
2,4,6-Trichlorophenol	1		5	3.140E-01	10	3.370E-01	25	3.360E-01	40	3.150E-01	60	3.610E-01	80	3.560E-01			0.336	5.89		A
2,4,5-Trichlorophenol	1		5	3.899E-01	10	3.619E-01	25	3.630E-01	40	3.280E-01	60	3.569E-01	80	3.750E-01			0.363	5.72		A
2-Chloronaphthalene	1		5	1.240E+00	10	1.147E+00	25	1.184E+00	40	1.142E+00	60	1.107E+00	80	1.125E+0			1.157	4.14		A
2-Nitroaniline	1		5	3.560E-01	10	3.360E-01	25	3.520E-01	40	3.420E-01	60	3.700E-01	80	3.910E-01			0.358	5.63		A
Dimethylphthalate	1		5	1.423E+00	10	1.301E+00	25	1.329E+00	40	1.324E+00	60	1.320E+00	80	1.267E+0			1.327	3.90		A
2,6-Dinitrotoluene	1		5	3.479E-01	10	3.520E-01	25	3.499E-01	40	3.540E-01	60	3.630E-01	80	3.499E-01			0.353	1.48		A
Acenaphthylene	1		5	1.945E+00	10	1.880E+00	25	1.957E+00	40	1.831E+00	60	1.744E+00	80	1.546E+0			1.817	8.50		A
3-Nitroaniline	1		5	3.700E-01	10	4.000E-01	25	4.339E-01	40	3.970E-01	60	4.190E-01	80	4.129E-01			0.405	5.34		A
Acenaphthene	1		5	1.099E+00	10	1.226E+00	25	1.144E+00	40	1.072E+00	60	1.076E+00	80	9.919E-01			1.101	7.14		A
2,4-Dinitrophenol	1		5	2.700E-02	10	5.400E-02	25	1.090E-01	40	1.050E-01	60	1.369E-01	80	1.690E-01			0.100		1.000	Q
4-Nitrophenol	1		5	1.369E-01	10	1.380E-01	25	1.790E-01	40	1.670E-01	60	1.640E-01	80	1.790E-01			0.161	11.71		A
Dibenzofuran	1		5	1.702E+00	10	1.642E+00	25	1.621E+00	40	1.485E+00	60	1.483E+00	80	1.466E+0			1.567	6.43		A
2,4-Dinitrotoluene	1		5	3.919E-01	10	3.989E-01	25	4.530E-01	40	4.059E-01	60	4.230E-01	80	4.300E-01			0.417	5.37		A
Diethylphthalate	1		5	1.516E+00	10	1.451E+00	25	1.429E+00	40	1.335E+00	60	1.360E+00	80	1.334E+0			1.404	5.25		A
Fluorene	1		5	1.406E+00	10	1.350E+00	25	1.351E+00	40	1.122E+00	60	1.122E+00	80	1.065E+0			1.236	12.02		A
4-Chlorophenyl-phenylether	1		5	5.500E-01	10	5.730E-01	25	5.600E-01	40	4.679E-01	60	4.690E-01	80	4.569E-01			0.513	10.40		A
4-Nitroaniline	1		5	4.379E-01	10	4.400E-01	25	4.729E-01	40	4.160E-01	60	4.260E-01	80	4.530E-01			0.441	4.55		A
4,6-Dinitro-2-methylphenol	1		5	4.899E-02	10	6.499E-02	25	1.260E-01	40	1.350E-01	60	1.550E-01	80	1.610E-01			0.115		0.999	Q
N-Nitrosodiphenylamine	1		5	8.370E-01	10	7.329E-01	25	8.249E-01	40	7.519E-01	60	8.029E-01	80	7.459E-01			0.783	5.66		A
Azobenzene	1		5	1.149E+00	10	9.879E-01	25	1.063E+00	40	1.017E+00	60	1.000E+00	80	9.120E-01			1.022	7.78		A
4-Bromophenyl-phenyl ether	1		5	2.330E-01	10	2.029E-01	25	2.270E-01	40	2.280E-01	60	2.230E-01	80	2.000E-01			0.219	6.47		A
Hexachlorobenzene	1	2.060E-01	5	2.660E-01	10	2.319E-01	25	2.599E-01	40	2.460E-01	60	2.700E-01	80	2.360E-01			0.245	9.30		A

Eq Ty = Equation Type
Q=Quadratic, L=Linear, A=Average

* SPCCs #

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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022905 SDG No.: CAB37

Instrument ID: HP 5972 (Donald) Calibration Dates: 10/22/2007 12:15

Heated Purge: (Y/N) N Calibration Times: 10/22/2007 12:15

GC Column: RXI-5Sil MS ID: 0.25 (mm) Mean % RSD: 7.16

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8	$\overline{RF}$	%RSD	r^2 COD	Eq Ty
Pentachlorophenol	1		5	8.299E-02	10	1.020E-01	25	1.410E-01	40	1.500E-01	60	1.560E-01	80	1.500E-01			0.130		0.999	L
Phenanthrene	1		5	1.359E+00	10	1.243E+00	25	1.332E+00	40	1.256E+00	60	1.243E+00	80	1.121E+0			1.259	6.65		A
Anthracene	1		5	1.318E+00	10	1.192E+00	25	1.404E+00	40	1.342E+00	60	1.330E+00	80	1.152E+0			1.290	7.50		A
Carbazole	1		5	1.368E+00	10	1.170E+00	25	1.219E+00	40	1.237E+00	60	1.122E+00	80	1.093E+0			1.202	8.18		A
Di-n-butylphthalate	1		5	1.869E+00	10	1.650E+00	25	1.842E+00	40	1.700E+00	60	1.620E+00	80	1.476E+0			1.693	8.67		A
Fluoranthene	1		5	1.197E+00	10	9.829E-01	25	1.140E+00	40	1.100E+00	60	1.010E+00	80	9.910E-01			1.070	8.30		A
Benzidine	1		5	7.810E-01	10	9.499E-01	25	9.750E-01	40	8.010E-01	60	7.720E-01	80	7.200E-01			0.833	12.49		A
Pyrene	1		5	1.686E+00	10	1.603E+00	25	1.495E+00	40	1.496E+00	60	1.587E+00	80	1.485E+0			1.559	5.15		A
Butylbenzylphthalate	1		5	9.459E-01	10	9.589E-01	25	9.990E-01	40	9.589E-01	60	9.950E-01	80	1.008E+0			0.978	2.67		A
3,3'-Dichlorobenzidine	1		5	4.100E-01	10	4.300E-01	25	4.679E-01	40	4.589E-01	60	4.100E-01	80	3.930E-01			0.428	6.98		A
Benzo(a)anthracene	1		5	1.261E+00	10	1.216E+00	25	1.274E+00	40	1.230E+00	60	1.176E+00	80	1.151E+0			1.218	3.92		A
Bis(2-ethylhexyl)phthalate	1		5	1.110E+00	10	1.226E+00	25	1.324E+00	40	1.202E+00	60	1.368E+00	80	1.257E+0			1.248	7.33		A
Chrysene	1		5	1.218E+00	10	1.094E+00	25	1.119E+00	40	1.093E+00	60	1.172E+00	80	1.082E+0			1.130	4.80		A
Di-n-octylphthalate	1		5	2.520E+00	10	2.674E+00	25	2.956E+00	40	3.020E+00	60	3.438E+00	80	3.392E+0			3.000	12.33		A
Benzo(b)fluoranthene	1		5	1.476E+00	10	1.424E+00	25	1.594E+00	40	1.536E+00	60	1.645E+00	80	1.595E+0			1.545	5.38		A
Benzo(k)fluoranthene	1		5	1.617E+00	10	1.429E+00	25	1.455E+00	40	1.562E+00	60	1.663E+00	80	1.489E+0			1.536	6.07		A
Benzo(a)pyrene	1		5	1.318E+00	10	1.237E+00	25	1.292E+00	40	1.483E+00	60	1.414E+00	80	1.395E+0			1.356	6.65		A
Indeno(1,2,3-cd)pyrene	1		5	6.959E-01	10	7.410E-01	25	8.640E-01	40	8.640E-01	60	8.240E-01	80	7.550E-01			0.791	8.87		A
Dibenzo(a,h)anthracene	1		5	7.390E-01	10	7.900E-01	25	9.260E-01	40	9.530E-01	60	9.269E-01	80	8.199E-01			0.859	10.22		A
Benzo(g,h,i)perylene	1		5	8.380E-01	10	8.460E-01	25	9.350E-01	40	8.970E-01	60	8.209E-01	80	7.889E-01			0.854	6.19		A
2-Fluorophenol	1		5	1.536E+00	10	1.309E+00	25	1.623E+00	40	1.410E+00	60	1.434E+00	80	1.415E+0			1.455	7.51		A
Phenol-d5	1		5	1.965E+00	10	1.761E+00	25	2.030E+00	40	1.839E+00	60	1.843E+00	80	1.814E+0			1.875	5.38		A
Nitrobenzene-d5	1		5	3.970E-01	10	3.429E-01	25	4.070E-01	40	3.639E-01	60	3.290E-01	80	3.150E-01			0.359	10.30		A
2-Fluorobiphenyl	1		5	1.267E+00	10	1.150E+00	25	1.184E+00	40	1.181E+00	60	1.207E+00	80	1.132E+0			1.187	4.00		A

Eq Ty = Equation Type
Q=Quadratic, L=Linear, A=Average

* SPCCs #

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022905 SDG No.: CAB37

Instrument ID: HP 5972 (Donald) Calibration Dates: 10/22/2007 12:15

Heated Purge: (Y/N) N Calibration Times: 10/22/2007 12:15

GC Column: RXI-5Sil MS ID: 0.25 (mm) Mean % RSD: 7.16

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8	$\overline{RF}$	%RSD	r^2 COD	Eq Ty
2,4,6-Tribromophenol	1		5	1.070E-01	10	1.090E-01	25	1.230E-01	40	1.289E-01	60	1.360E-01	80	1.250E-01			0.121	9.40		A
Terphenyl-d14	1		5	1.035E+00	10	9.499E-01	25	9.359E-01	40	9.369E-01	60	9.369E-01	80	9.359E-01			0.955	4.13		A

Eq Ty = Equation Type
Q=Quadratic, L=Linear, A=Average

* SPCCs #

SUM - 80

INITIAL
SECOND SOURCE CALIBRATION VERIFICATION

Lab Name: Laucks Testing Laboratories, Inc. Initial Calibration ID: T8270-102207

Instrument ID: HP 5972 (Donald) Concentration Units: ng/ul

2nd Source ID: ICV102307-1

Analyte	Equation Type	Expected	Found	%D
1,1'-Biphenyl	A	45.00	42.87	4.73
1,2,4,5-Tetrachlorobenzene	A	45.00	44.37	1.40
1,2,4-Trichlorobenzene	A	40.00	40.26	0.65
1,2-Dichlorobenzene	A	40.00	43.47	8.68
1,3-Dichlorobenzene	A	40.00	41.62	4.05
1,4-Dichlorobenzene	A	40.00	40.37	0.93
1,4-Dioxane	A	45.00	40.98	8.93
2,3,4,6-Tetrachlorophenol	A	40.00	43.38	8.45
2,4,5-Trichlorophenol	A	40.00	41.88	4.70
2,4,6-Trichlorophenol	A	40.00	41.86	4.65
2,4-Dichlorophenol	A	40.00	43.32	8.30
2,4-Dimethylphenol	A	40.00	40.92	2.30
2,4-Dinitrophenol	Q	40.00	57.33	43.33
2,4-Dinitrotoluene	A	40.00	46.34	15.85
2,6-Dinitrotoluene	A	40.00	38.36	4.10
2-Chloronaphthalene	A	40.00	43.52	8.80
2-Chlorophenol	A	40.00	48.19	20.48
2-Methylnaphthalene	A	40.00	41.83	4.58
2-Methylphenol	A	40.00	45.90	14.75
2-Nitroaniline	A	40.00	47.80	19.50
2-Nitrophenol	A	40.00	44.95	12.38
3 & 4-Methylphenol	A	40.00	46.69	16.73
3,3'-Dichlorobenzidine	A	40.00	41.14	2.85
3-Nitroaniline	A	40.00	44.42	11.05
4,6-Dinitro-2-methylphenol	Q	40.00	46.89	17.23
4-Bromophenyl-phenyl ether	A	40.00	39.31	1.73
4-Chloro-3-methylphenol	A	40.00	43.87	9.68
4-Chloroaniline	A	40.00	39.48	1.30
4-Chlorophenyl-phenylether	A	40.00	40.84	2.10
4-Nitroaniline	A	40.00	42.53	6.33
4-Nitrophenol	A	40.00	46.89	17.23
Acenaphthene	A	40.00	34.19	14.53
Acenaphthylene	A	40.00	38.53	3.68
Acetophenone	A	45.00	44.09	2.02
Aniline	A	40.00	33.22	16.95
Anthracene	A	40.00	38.49	3.78
Atrazine	A	5.00	4.24	15.20
Benzaldehyde	Q	5.00	2.18	56.40
Benzidine	A	40.00	7.21	81.98
Benzo(a)anthracene	A	40.00	38.87	2.83
Benzo(a)pyrene	A	40.00	39.82	0.45
Benzo(b)fluoranthene	A	40.00	39.88	0.30
Benzo(g,h,i)perylene	A	40.00	38.78	3.05

- See narr.

11/06/07
AP

} not target compounds

INITIAL
SECOND SOURCE CALIBRATION VERIFICATION

Lab Name: Laucks Testing Laboratories, Inc. Initial Calibration ID: T8270-102207

Instrument ID: HP 5972 (Donald) Concentration Units: ng/ul

2nd Source ID: ICV102307-1

Analyte	Equation Type	Expected	Found	%D
Benzo(k)fluoranthene	A	40.00	42.14	5.35
Benzoic acid	Q	80.00	84.69	5.86
Benzyl alcohol	A	40.00	45.44	13.60
Bis(2-chloroethoxy)methane	A	40.00	39.06	2.35
Bis(2-Chloroethyl)ether	A	40.00	38.57	3.58
Bis(2-chloroisopropyl)ether	A	40.00	41.51	3.78
Bis(2-ethylhexyl)phthalate	A	40.00	42.82	7.05
Butylbenzylphthalate	A	40.00	39.51	1.23
Caprolactam	A	5.00	5.64	12.80
Carbazole	A	40.00	36.31	9.23
Chrysene	A	40.00	37.88	5.30
Di-n-butylphthalate	A	40.00	39.51	1.23
Di-n-octylphthalate	A	40.00	47.62	19.05
Dibenzo(a,h)anthracene	A	40.00	43.48	8.70
Dibenzofuran	A	40.00	40.81	2.03
Diethylphthalate	A	40.00	40.54	1.35
Dimethylphthalate	A	40.00	40.42	1.05
Fluoranthene	A	40.00	41.80	4.50
Fluorene	A	40.00	37.60	6.00
Hexachlorobenzene	A	40.00	40.19	0.48
Hexachlorobutadiene	A	40.00	38.60	3.50
Hexachlorocyclopentadiene	A	40.00	38.20	4.50
Hexachloroethane	A	40.00	41.15	2.88
Indeno(1,2,3-cd)pyrene	A	40.00	43.56	8.90
Isophorone	A	40.00	38.47	3.83
N-Nitroso-di-n-propylamine	A	40.00	47.40	18.50
N-Nitrosodimethylamine	A	40.00	45.14	12.85
N-Nitrosodiphenylamine	A	40.00	33.09	17.28
Naphthalene	A	40.00	38.36	4.10
Nitrobenzene	A	40.00	37.51	6.23
Pentachlorophenol	L	40.00	44.97	12.43
Phenanthrene	A	40.00	36.57	8.58
Phenol	A	40.00	45.58	13.95
Pyrene	A	40.00	35.40	11.50
Pyridine	A	40.00	43.11	7.78

Q=Quadratic, L=Linear, A=Average

7

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022905 SDG No.: CAB37

Instrument ID: HP 5972 (Donald) Calibration Date: 10/26/2007 Time: 07:54

Lab File ID: T1026002.D Init. Calib. Date(s): 10/22/2007 10/23/2007

Client Sample No.: CCV102607-1 Init. Calib. Time(s): 10:53 12:15

Heated Purge: (Y/N) N GC Column: RXI-5Sil MS ID: 0.25 (mm)

Compound	Equation Type	RF 26.0	%D	%Drift
3 & 4-Methylphenol	A	1.546	-9.97	
Bis(2-chloroisopropyl)ether	A	2.595	-8.95	
Phenol	A	2.075	-10.98	
Bis(2-Chloroethyl)ether	A	1.694	-8.37	
2-Chlorophenol	A	1.594	-9.19	
1,3-Dichlorobenzene	A	1.493	-2.14	
1,4-Dichlorobenzene	A	1.535	-0.69	
Benzyl alcohol	A	1.003	-0.40	
1,2-Dichlorobenzene	A	1.435	-2.02	
2-Methylphenol	A	1.422	-3.53	
N-Nitroso-di-n-propylamine	A	1.011	-14.46	
Hexachloroethane	A	0.753	-4.82	
Nitrobenzene	A	0.357	3.31	
Isophorone	A	0.636	8.78	
2-Nitrophenol	A	0.208	-6.14	
2,4-Dimethylphenol	A	0.360	6.49	
Benzoic acid	Q	0.095		-16.79
Bis(2-chloroethoxy)methane	A	0.469	4.19	
2,4-Dichlorophenol	A	0.275	5.83	
1,2,4-Trichlorobenzene	A	0.293	4.82	
Naphthalene	A	0.976	8.71	
4-Chloroaniline	A	0.458	6.47	
Hexachlorobutadiene	A	0.135	4.84	
4-Chloro-3-methylphenol	A	0.313	4.03	
2-Methylnaphthalene	A	0.572	8.11	
Hexachlorocyclopentadiene	A	0.270	-2.85	
2,4,6-Trichlorophenol	A	0.341	-1.35	
2,4,5-Trichlorophenol	A	0.355	2.11	
2-Chloronaphthalene	A	1.113	3.84	
2-Nitroaniline	A	0.397	-10.79	
Dimethylphthalate	A	1.425	-7.40	
2,6-Dinitrotoluene	A	0.356	-0.86	

* = %D or %Drift above limit

= %D or %Drift limts are not configured

7

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022905 SDG No.: CAB37

Instrument ID: HP 5972 (Donald) Calibration Date: 10/26/2007 Time: 07:54

Lab File ID: T1026002.D Init. Calib. Date(s): 10/22/2007 10/23/2007

Client Sample No.: CCV102607-1 Init. Calib. Time(s): 10:53 12:15

Heated Purge: (Y/N) N GC Column: RXI-5Sil MS ID: 0.25 (mm)

Compound	Equation Type	RF 26.0	%D	%Drift
Acenaphthylene	A	1.693	6.81	
3-Nitroaniline	A	0.411	-1.38	
Acenaphthene	A	1.098	0.25	
2,4-Dinitrophenol	Q	0.102		14.76
4-Nitrophenol	A	0.173	-7.45	
Dibenzofuran	A	1.543	1.53	
2,4-Dinitrotoluene	A	0.428	-2.67	
Diethylphthalate	A	1.340	4.57	
Fluorene	A	1.156	6.50	
4-Chlorophenyl-phenylether	A	0.511	0.40	
4-Nitroaniline	A	0.411	6.85	
4,6-Dinitro-2-methylphenol	Q	0.120		-2.59
N-Nitrosodiphenylamine	A	0.707	9.72	
Azobenzene	A	0.966	5.50	
4-Bromophenyl-phenyl ether	A	0.202	7.79	
Hexachlorobenzene	A	0.235	4.23	
Pentachlorophenol	L	0.119		-14.19
Phenanthrene	A	1.144	9.14	
Anthracene	A	1.168	9.46	
Carbazole	A	1.127	6.27	
Di-n-butylphthalate	A	1.639	3.18	
Fluoranthene	A	1.012	5.41	
Benzidine	A	0.908	-9.05	
Pyrene	A	1.567	-0.49	
Butylbenzylphthalate	A	0.951	2.73	
3,3'-Dichlorobenzidine	A	0.413	3.58	
Benzo(a)anthracene	A	1.107	9.11	
Bis(2-ethylhexyl)phthalate	A	1.323	-6.00	
Chrysene	A	1.038	8.12	
Di-n-octylphthalate	A	3.117	-3.89	
Benzo(b)fluoranthene	A	1.440	6.79	
Benzo(k)fluoranthene	A	1.388	9.63	

* = %D or %Drift above limit

= %D or %Drift limts are not configured

7

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022905 SDG No.: CAB37

Instrument ID: HP 5972 (Donald) Calibration Date: 10/26/2007 Time: 07:54

Lab File ID: T1026002.D Init. Calib. Date(s): 10/22/2007 10/23/2007

Client Sample No.: CCV102607-1 Init. Calib. Time(s): 10:53 12:15

Heated Purge: (Y/N) N GC Column: RXI-5Sil MS ID: 0.25 (mm)

Compound	Equation Type	RF 26.0	%D	%Drift
Benzo(a)pyrene	A	1.305	3.75	
Indeno(1,2,3-cd)pyrene	A	0.950	-20.09*	
Dibenzo(a,h)anthracene	A	0.947	-10.22	
Benzo(g,h,i)perylene	A	0.955	-11.86	
2-Fluorophenol	A	1.522	-4.58	
Phenol-d5	A	1.981	-5.68	
Nitrobenzene-d5	A	0.317	11.60	
2-Fluorobiphenyl	A	1.156	2.62	
2,4,6-Tribromophenol	A	0.115	5.21	
Terphenyl-d14	A	0.933	2.31	

* = %D or %Drift above limit

= %D or %Drift limts are not configured

7

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R023143 SDG No.: CAB37

Instrument ID: HP 5972 (Donald) Calibration Date: 11/04/2007 Time: 12:26

Lab File ID: T1104002.D Init. Calib. Date(s): 10/22/2007 10/23/2007

Client Sample No.: CCV110407-1 Init. Calib. Time(s): 10:53 12:15

Heated Purge: (Y/N) N GC Column: RXI-5Sil MS ID: 0.25 (mm)

Compound	Equation Type	RF 104.0	%D	%Drift
3 & 4-Methylphenol	A	1.293	8.01	
Bis(2-chloroisopropyl)ether	A	2.120	11.00	
Phenol	A	1.701	9.06	
Bis(2-Chloroethyl)ether	A	1.388	11.20	
2-Chlorophenol	A	1.620	-10.96	
1,3-Dichlorobenzene	A	1.489	-1.85	
1,4-Dichlorobenzene	A	1.471	3.46	
Benzyl alcohol	A	1.033	-3.41	
1,2-Dichlorobenzene	A	1.408	-0.04	
2-Methylphenol	A	1.442	-4.96	
N-Nitroso-di-n-propylamine	A	0.830	6.00	
Hexachloroethane	A	0.707	1.52	
Nitrobenzene	A	0.304	17.49	
Isophorone	A	0.615	11.83	
2-Nitrophenol	A	0.219	-11.67	
2,4-Dimethylphenol	A	0.334	13.13	
Benzoic acid	Q	0.096		-16.23
Bis(2-chloroethoxy)methane	A	0.412	15.91	
2,4-Dichlorophenol	A	0.280	4.21	
1,2,4-Trichlorobenzene	A	0.303	1.55	
Naphthalene	A	0.994	6.98	
4-Chloroaniline	A	0.495	-1.01	
Hexachlorobutadiene	A	0.122	13.85	
4-Chloro-3-methylphenol	A	0.303	7.18	
2-Methylnaphthalene	A	0.568	8.71	
Hexachlorocyclopentadiene	A	0.217	17.33	
2,4,6-Trichlorophenol	A	0.375	-11.52	
2,4,5-Trichlorophenol	A	0.409	-12.55	
2-Chloronaphthalene	A	1.122	3.01	
2-Nitroaniline	A	0.334	6.73	
Dimethylphthalate	A	1.372	-3.41	
2,6-Dinitrotoluene	A	0.364	-3.04	

* = %D or %Drift above limit

= %D or %Drift limts are not configured

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R023143 SDG No.: CAB37

Instrument ID: HP 5972 (Donald) Calibration Date: 11/04/2007 Time: 12:26

Lab File ID: T1104002.D Init. Calib. Date(s): 10/22/2007 10/23/2007

Client Sample No.: CCV110407-1 Init. Calib. Time(s): 10:53 12:15

Heated Purge: (Y/N) N GC Column: RXI-5Sil MS ID: 0.25 (mm)

Compound	Equation Type	RF 104.0	%D	%Drift
Acenaphthylene	A	1.902	-4.70	
3-Nitroaniline	A	0.422	-4.27	
Acenaphthene	A	1.157	-5.09	
2,4-Dinitrophenol	Q	0.079		-3.33
4-Nitrophenol	A	0.124	23.10*	
Dibenzofuran	A	1.485	5.23	
2,4-Dinitrotoluene	A	0.446	-6.87	
Diethylphthalate	A	1.436	-2.30	
Fluorene	A	1.096	11.31	
4-Chlorophenyl-phenylether	A	0.512	0.26	
4-Nitroaniline	A	0.447	-1.47	
4,6-Dinitro-2-methylphenol	Q	0.102		-13.93
N-Nitrosodiphenylamine	A	0.744	5.03	
Azobenzene	A	0.832	18.58	
4-Bromophenyl-phenyl ether	A	0.223	-1.94	
Hexachlorobenzene	A	0.237	3.08	
Pentachlorophenol	L	0.126		-10.10
Phenanthrene	A	1.127	10.50	
Anthracene	A	1.167	9.51	
Carbazole	A	1.065	11.41	
Di-n-butylphthalate	A	1.664	1.71	
Fluoranthene	A	1.066	0.41	
Benzidine	A	0.925	-11.02	
Pyrene	A	1.558	0.06	
Butylbenzylphthalate	A	1.006	-2.89	
3,3'-Dichlorobenzidine	A	0.450	-5.13	
Benzo(a)anthracene	A	1.165	4.38	
Bis(2-ethylhexyl)phthalate	A	1.280	-2.59	
Chrysene	A	1.108	1.95	
Di-n-octylphthalate	A	2.947	1.75	
Benzo(b)fluoranthene	A	1.376	10.91	
Benzo(k)fluoranthene	A	1.369	10.90	

* = %D or %Drift above limit

= %D or %Drift limts are not configured

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R023143 SDG No.: CAB37

Instrument ID: HP 5972 (Donald) Calibration Date: 11/04/2007 Time: 12:26

Lab File ID: T1104002.D Init. Calib. Date(s): 10/22/2007 10/23/2007

Client Sample No.: CCV110407-1 Init. Calib. Time(s): 10:53 12:15

Heated Purge: (Y/N) N GC Column: RXI-5Sil MS ID: 0.25 (mm)

Compound	Equation Type	RF 104.0	%D	%Drift
Benzo(a)pyrene	A	1.218	10.16	
Indeno(1,2,3-cd)pyrene	A	0.731	7.59	
Dibenzo(a,h)anthracene	A	0.815	5.15	
Benzo(g,h,i)perylene	A	0.700	18.04	
2-Fluorophenol	A	1.515	-4.14	
Phenol-d5	A	1.779	5.10	
Nitrobenzene-d5	A	0.282	21.32*	
2-Fluorobiphenyl	A	1.218	-2.65	
2,4,6-Tribromophenol	A	0.116	3.86	
Terphenyl-d14	A	0.968	-1.32	

* = %D or %Drift above limit

= %D or %Drift limts are not configured

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R023176 SDG No.: CAB37

Instrument ID: HP 5972 (Donald) Calibration Date: 11/05/2007 Time: 14:09

Lab File ID: T1105013.D Init. Calib. Date(s): 10/22/2007 10/23/2007

Client Sample No.: CCV110507-2 Init. Calib. Time(s): 10:53 12:15

Heated Purge: (Y/N) N GC Column: RXI-5Sil MS ID: 0.25 (mm)

Compound	Equation Type	RF 105.0	%D	%Drift
3 & 4-Methylphenol	A	1.319	6.15	
Bis(2-chloroisopropyl)ether	A	1.815	23.80*	
Phenol	A	1.863	0.36	
Bis(2-Chloroethyl)ether	A	1.408	9.89	
2-Chlorophenol	A	1.631	-11.70	
1,3-Dichlorobenzene	A	1.374	6.02	
1,4-Dichlorobenzene	A	1.533	-0.62	
Benzyl alcohol	A	1.046	-4.74	
1,2-Dichlorobenzene	A	1.484	-5.44	
2-Methylphenol	A	1.318	4.04	
N-Nitroso-di-n-propylamine	A	0.841	4.81	
Hexachloroethane	A	0.677	5.76	
Nitrobenzene	A	0.323	12.55	
Isophorone	A	0.590	15.31	
2-Nitrophenol	A	0.236	-20.42*	
2,4-Dimethylphenol	A	0.334	13.37	
Benzoic acid	Q	0.140		8.90
Bis(2-chloroethoxy)methane	A	0.430	12.23	
2,4-Dichlorophenol	A	0.286	2.13	
1,2,4-Trichlorobenzene	A	0.320	-3.80	
Naphthalene	A	1.070	-0.07	
4-Chloroaniline	A	0.497	-1.45	
Hexachlorobutadiene	A	0.140	1.14	
4-Chloro-3-methylphenol	A	0.318	2.50	
2-Methylnaphthalene	A	0.608	2.23	
Hexachlorocyclopentadiene	A	0.231	12.29	
2,4,6-Trichlorophenol	A	0.391	-16.50	
2,4,5-Trichlorophenol	A	0.445	-22.52*	
2-Chloronaphthalene	A	1.121	3.11	
2-Nitroaniline	A	0.323	9.78	
Dimethylphthalate	A	1.314	0.95	
2,6-Dinitrotoluene	A	0.365	-3.53	

* = %D or %Drift above limit

= %D or %Drift limts are not configured

7

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R023176 SDG No.: CAB37

Instrument ID: HP 5972 (Donald) Calibration Date: 11/05/2007 Time: 14:09

Lab File ID: T1105013.D Init. Calib. Date(s): 10/22/2007 10/23/2007

Client Sample No.: CCV110507-2 Init. Calib. Time(s): 10:53 12:15

Heated Purge: (Y/N) N GC Column: RXI-5Sil MS ID: 0.25 (mm)

Compound	Equation Type	RF 105.0	%D	%Drift
Acenaphthylene	A	1.829	-0.63	
3-Nitroaniline	A	0.471	-16.22	
Acenaphthene	A	1.081	1.78	
2,4-Dinitrophenol	Q	0.159		52.65*
4-Nitrophenol	A	0.132	18.31	
Dibenzofuran	A	1.498	4.40	
2,4-Dinitrotoluene	A	0.446	-7.05	
Diethylphthalate	A	1.464	-4.29	
Fluorene	A	1.161	6.04	
4-Chlorophenyl-phenylether	A	0.566	-10.43	
4-Nitroaniline	A	0.472	-7.14	
4,6-Dinitro-2-methylphenol	Q	0.157		20.18*
N-Nitrosodiphenylamine	A	0.691	11.78	
Azobenzene	A	0.800	21.72*	
4-Bromophenyl-phenyl ether	A	0.220	-0.54	
Hexachlorobenzene	A	0.267	-8.78	
Pentachlorophenol	L	0.160		11.22
Phenanthrene	A	1.094	13.14	
Anthracene	A	1.271	1.50	
Carbazole	A	1.172	2.53	
Di-n-butylphthalate	A	1.732	-2.33	
Fluoranthene	A	1.132	-5.78	
Benzidine	A	0.871	-4.56	
Pyrene	A	1.537	1.39	
Butylbenzylphthalate	A	0.987	-0.88	
3,3'-Dichlorobenzidine	A	0.425	0.76	
Benzo(a)anthracene	A	1.161	4.71	
Bis(2-ethylhexyl)phthalate	A	1.427	-14.36	
Chrysene	A	1.178	-4.26	
Di-n-octylphthalate	A	2.875	4.15	
Benzo(b)fluoranthene	A	1.306	15.46	
Benzo(k)fluoranthene	A	1.297	15.58	

* = %D or %Drift above limit

= %D or %Drift limts are not configured

7

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R023176 SDG No.: CAB37

Instrument ID: HP 5972 (Donald) Calibration Date: 11/05/2007 Time: 14:09

Lab File ID: T1105013.D Init. Calib. Date(s): 10/22/2007 10/23/2007

Client Sample No.: CCV110507-2 Init. Calib. Time(s): 10:53 12:15

Heated Purge: (Y/N) N GC Column: RXI-5Sil MS ID: 0.25 (mm)

Compound	Equation Type	RF 105.0	%D	%Drift
Benzo(a)pyrene	A	1.191	12.20	
Indeno(1,2,3-cd)pyrene	A	0.773	2.25	
Dibenzo(a,h)anthracene	A	0.819	4.62	
Benzo(g,h,i)perylene	A	0.777	9.06	
2-Fluorophenol	A	1.490	-2.38	
Phenol-d5	A	1.768	5.71	
Nitrobenzene-d5	A	0.326	9.27	
2-Fluorobiphenyl	A	1.286	-8.33	
2,4,6-Tribromophenol	A	0.127	-4.96	
Terphenyl-d14	A	0.932	2.43	

* = %D or %Drift above limit

= %D or %Drift limts are not configured

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B092607MSVWLT

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB37

Run Sequence: R022905

Matrix: (SOIL/WATER) Water

Lab Sample ID: B092607MSVWLT

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: T1026003.D

Level: (LOW/MED)

Date Collected:

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/26/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/26/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
108-39-4/	3 & 4-Methylphenol	5.0	U
108-60-1	Bis(2-chloroisopropyl)ether	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-Chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
100-51-6	Benzyl alcohol	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
95-48-7	2-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
65-85-0	Benzoic acid	10	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B092607MSVWLT

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB37

Run Sequence: R022905

Matrix: (SOIL/WATER) Water

Lab Sample ID: B092607MSVWLT

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: T1026003.D

Level: (LOW/MED)

Date Collected:

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/26/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/26/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	5.0	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	5.0	U
83-32-9	Acenaphthene	5.0	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	5.0	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	5.0	U
534-52-1	4,6-Dinitro-2-methylphenol	5.0	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
122-66-7	Azobenzene	5.0	U
101-55-3	4-Bromophenyl-phenyl ether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
87-86-5	Pentachlorophenol	5.0	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
86-74-8	Carbazole	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B092607MSVWLT

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB37

Run Sequence: R022905

Matrix: (SOIL/WATER) Water

Lab Sample ID: B092607MSVWLT

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: T1026003.D

Level: (LOW/MED)

Date Collected:

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/26/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/26/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
92-87-5	Benzidine	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3'-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
218-01-9	Chrysene	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

Comments:

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B103007MSVWLO

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB37

Run Sequence: R023143

Matrix: (SOIL/WATER) Water

Lab Sample ID: B103007MSVWLO

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: T1104011.D

Level: (LOW/MED)

Date Collected:

% Moisture: Decanted: (Y/N) N

Date Extracted: 10/30/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/04/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
108-39-4/	3 & 4-Methylphenol	5.0	U
108-60-1	Bis(2-chloroisopropyl)ether	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-Chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
100-51-6	Benzyl alcohol	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
95-48-7	2-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
65-85-0	Benzoic acid	10	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B103007MSVWLO

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB37

Run Sequence: R023143

Matrix: (SOIL/WATER) Water

Lab Sample ID: B103007MSVWLO

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: T1104011.D

Level: (LOW/MED)

Date Collected:

% Moisture: Decanted: (Y/N) N

Date Extracted: 10/30/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/04/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	5.0	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	5.0	U
83-32-9	Acenaphthene	5.0	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	5.0	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	5.0	U
534-52-1	4,6-Dinitro-2-methylphenol	5.0	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
122-66-7	Azobenzene	5.0	U
101-55-3	4-Bromophenyl-phenyl ether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
87-86-5	Pentachlorophenol	5.0	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
86-74-8	Carbazole	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B103007MSVWLO

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB37

Run Sequence: R023143

Matrix: (SOIL/WATER) Water

Lab Sample ID: B103007MSVWLO

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: T1104011.D

Level: (LOW/MED)

Date Collected:

% Moisture: Decanted: (Y/N) N

Date Extracted: 10/30/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/04/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
92-87-5	Benzidine	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3'-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
218-01-9	Chrysene	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

Comments:

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S092607MSVWLT

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB37

Run Sequence: R022905

Matrix: (SOIL/WATER) Water

Lab Sample ID: S092607MSVWLT

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: T1026004.D

Level: (LOW/MED)

Date Collected:

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/26/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/26/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
108-39-4/	3 & 4-Methylphenol	16	
108-60-1	Bis(2-chloroisopropyl)ether	18	
108-95-2	Phenol	15	
111-44-4	Bis(2-Chloroethyl)ether	15	
95-57-8	2-Chlorophenol	14	
541-73-1	1,3-Dichlorobenzene	9.7	
106-46-7	1,4-Dichlorobenzene	9.4	
100-51-6	Benzyl alcohol	17	
95-50-1	1,2-Dichlorobenzene	10	
95-48-7	2-Methylphenol	15	
621-64-7	N-Nitroso-di-n-propylamine	20	
67-72-1	Hexachloroethane	9.1	
98-95-3	Nitrobenzene	16	
78-59-1	Isophorone	18	
88-75-5	2-Nitrophenol	17	
105-67-9	2,4-Dimethylphenol	9.4	
65-85-0	Benzoic acid	10	U
111-91-1	Bis(2-chloroethoxy)methane	16	
120-83-2	2,4-Dichlorophenol	15	
120-82-1	1,2,4-Trichlorobenzene	12	
91-20-3	Naphthalene	13	
106-47-8	4-Chloroaniline	15	
87-68-3	Hexachlorobutadiene	9.7	
59-50-7	4-Chloro-3-methylphenol	18	
91-57-6	2-Methylnaphthalene	16	
77-47-4	Hexachlorocyclopentadiene	3.5	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S092607MSVWLT

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB37

Run Sequence: R022905

Matrix: (SOIL/WATER) Water

Lab Sample ID: S092607MSVWLT

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: T1026004.D

Level: (LOW/MED)

Date Collected:

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/26/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/26/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
88-06-2	2,4,6-Trichlorophenol	15	
95-95-4	2,4,5-Trichlorophenol	17	
91-58-7	2-Chloronaphthalene	17	
88-74-4	2-Nitroaniline	21	
131-11-3	Dimethylphthalate	19	
606-20-2	2,6-Dinitrotoluene	17	
208-96-8	Acenaphthylene	17	
99-09-2	3-Nitroaniline	19	
83-32-9	Acenaphthene	18	
51-28-5	2,4-Dinitrophenol	4.9	J
100-02-7	4-Nitrophenol	12	
132-64-9	Dibenzofuran	18	
121-14-2	2,4-Dinitrotoluene	20	
84-66-2	Diethylphthalate	19	
86-73-7	Fluorene	18	
7005-72-3	4-Chlorophenyl-phenylether	19	
100-01-6	4-Nitroaniline	19	
534-52-1	4,6-Dinitro-2-methylphenol	12	
86-30-6	N-Nitrosodiphenylamine	14	
122-66-7	Azobenzene	17	
101-55-3	4-Bromophenyl-phenyl ether	16	
118-74-1	Hexachlorobenzene	17	
87-86-5	Pentachlorophenol	13	
85-01-8	Phenanthrene	16	
120-12-7	Anthracene	16	
86-74-8	Carbazole	18	
84-74-2	Di-n-butylphthalate	18	
206-44-0	Fluoranthene	18	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S092607MSVWLT

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB37

Run Sequence: R022905

Matrix: (SOIL/WATER) Water

Lab Sample ID: S092607MSVWLT

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: T1026004.D

Level: (LOW/MED)

Date Collected:

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/26/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/26/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
92-87-5	Benzidine	5.0	U
129-00-0	Pyrene	17	
85-68-7	Butylbenzylphthalate	18	
91-94-1	3,3'-Dichlorobenzidine	17	
56-55-3	Benzo(a)anthracene	17	
117-81-7	Bis(2-ethylhexyl)phthalate	19	
218-01-9	Chrysene	18	
117-84-0	Di-n-octylphthalate	16	
205-99-2	Benzo(b)fluoranthene	14	
207-08-9	Benzo(k)fluoranthene	15	
50-32-8	Benzo(a)pyrene	14	
193-39-5	Indeno(1,2,3-cd)pyrene	18	
53-70-3	Dibenzo(a,h)anthracene	18	
191-24-2	Benzo(g,h,i)perylene	19	

Comments:

1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S103007MSVWLO

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB37

Run Sequence: R023176

Matrix: (SOIL/WATER) Water

Lab Sample ID: S103007MSVWLO

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: T1105016.D

Level: (LOW/MED)

Date Collected:

% Moisture: Decanted: (Y/N) N

Date Extracted: 10/30/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/05/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
108-39-4/	3 & 4-Methylphenol	14	
108-60-1	Bis(2-chloroisopropyl)ether	12	
108-95-2	Phenol	13	
111-44-4	Bis(2-Chloroethyl)ether	14	
95-57-8	2-Chlorophenol	15	
541-73-1	1,3-Dichlorobenzene	9.6	
106-46-7	1,4-Dichlorobenzene	9.1	
100-51-6	Benzyl alcohol	16	
95-50-1	1,2-Dichlorobenzene	11	
95-48-7	2-Methylphenol	15	
621-64-7	N-Nitroso-di-n-propylamine	17	
67-72-1	Hexachloroethane	7.4	
98-95-3	Nitrobenzene	13	
78-59-1	Isophorone	13	
88-75-5	2-Nitrophenol	17	
105-67-9	2,4-Dimethylphenol	6.6	
65-85-0	Benzoic acid	14	
111-91-1	Bis(2-chloroethoxy)methane	14	
120-83-2	2,4-Dichlorophenol	13	
120-82-1	1,2,4-Trichlorobenzene	12	
91-20-3	Naphthalene	13	
106-47-8	4-Chloroaniline	14	
87-68-3	Hexachlorobutadiene	8.9	
59-50-7	4-Chloro-3-methylphenol	16	
91-57-6	2-Methylnaphthalene	14	
77-47-4	Hexachlorocyclopentadiene	2.2	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S103007MSVWLO

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB37

Run Sequence: R023176

Matrix: (SOIL/WATER) Water

Lab Sample ID: S103007MSVWLO

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: T1105016.D

Level: (LOW/MED)

Date Collected:

% Moisture: Decanted: (Y/N) N

Date Extracted: 10/30/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/05/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
88-06-2	2,4,6-Trichlorophenol	16	
95-95-4	2,4,5-Trichlorophenol	19	
91-58-7	2-Chloronaphthalene	15	
88-74-4	2-Nitroaniline	17	
131-11-3	Dimethylphthalate	17	
606-20-2	2,6-Dinitrotoluene	17	
208-96-8	Acenaphthylene	17	
99-09-2	3-Nitroaniline	19	
83-32-9	Acenaphthene	15	
51-28-5	2,4-Dinitrophenol	22	
100-02-7	4-Nitrophenol	12	
132-64-9	Dibenzofuran	19	
121-14-2	2,4-Dinitrotoluene	20	
84-66-2	Diethylphthalate	19	
86-73-7	Fluorene	16	
7005-72-3	4-Chlorophenyl-phenylether	18	
100-01-6	4-Nitroaniline	17	
534-52-1	4,6-Dinitro-2-methylphenol	16	
86-30-6	N-Nitrosodiphenylamine	12	
122-66-7	Azobenzene	13	
101-55-3	4-Bromophenyl-phenyl ether	17	
118-74-1	Hexachlorobenzene	17	
87-86-5	Pentachlorophenol	15	
85-01-8	Phenanthrene	15	
120-12-7	Anthracene	15	
86-74-8	Carbazole	17	
84-74-2	Di-n-butylphthalate	18	
206-44-0	Fluoranthene	19	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S103007MSVWLO

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB37

Run Sequence: R023176

Matrix: (SOIL/WATER) Water

Lab Sample ID: S103007MSVWLO

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: T1105016.D

Level: (LOW/MED)

Date Collected:

% Moisture: Decanted: (Y/N) N

Date Extracted: 10/30/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/05/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
92-87-5	Benzidine	5.0	U
129-00-0	Pyrene	16	
85-68-7	Butylbenzylphthalate	17	
91-94-1	3,3'-Dichlorobenzidine	15	
56-55-3	Benzo(a)anthracene	16	
117-81-7	Bis(2-ethylhexyl)phthalate	19	
218-01-9	Chrysene	16	
117-84-0	Di-n-octylphthalate	16	
205-99-2	Benzo(b)fluoranthene	15	
207-08-9	Benzo(k)fluoranthene	14	
50-32-8	Benzo(a)pyrene	14	
193-39-5	Indeno(1,2,3-cd)pyrene	14	
53-70-3	Dibenzo(a,h)anthracene	15	
191-24-2	Benzo(g,h,i)perylene	14	

Comments:

1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04DWMS

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB37

Run Sequence: R022905

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-003MS

Sample wt/vol: 1040.0 (g/mL) mL

Lab File ID: T1026010.D

Level: (LOW/MED)

Date Collected: 09/19/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/26/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/26/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
108-39-4/	3 & 4-Methylphenol	17	
108-60-1	Bis(2-chloroisopropyl)ether	16	
108-95-2	Phenol	16	
111-44-4	Bis(2-Chloroethyl)ether	16	
95-57-8	2-Chlorophenol	15	
541-73-1	1,3-Dichlorobenzene	7.9	
106-46-7	1,4-Dichlorobenzene	7.8	
100-51-6	Benzyl alcohol	18	
95-50-1	1,2-Dichlorobenzene	8.3	
95-48-7	2-Methylphenol	15	
621-64-7	N-Nitroso-di-n-propylamine	20	
67-72-1	Hexachloroethane	7.1	
98-95-3	Nitrobenzene	15	
78-59-1	Isophorone	16	
88-75-5	2-Nitrophenol	16	
105-67-9	2,4-Dimethylphenol	9.9	
65-85-0	Benzoic acid	1.7	J
111-91-1	Bis(2-chloroethoxy)methane	17	
120-83-2	2,4-Dichlorophenol	15	
120-82-1	1,2,4-Trichlorobenzene	7.8	
91-20-3	Naphthalene	9.4	
106-47-8	4-Chloroaniline	15	
87-68-3	Hexachlorobutadiene	6.9	
59-50-7	4-Chloro-3-methylphenol	17	
91-57-6	2-Methylnaphthalene	10	
77-47-4	Hexachlorocyclopentadiene	1.3	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04DWMS

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB37

Run Sequence: R022905

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-003MS

Sample wt/vol: 1040.0 (g/mL) mL

Lab File ID: T1026010.D

Level: (LOW/MED)

Date Collected: 09/19/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/26/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/26/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
88-06-2	2,4,6-Trichlorophenol	17	
95-95-4	2,4,5-Trichlorophenol	16	
91-58-7	2-Chloronaphthalene	12	
88-74-4	2-Nitroaniline	22	
131-11-3	Dimethylphthalate	17	
606-20-2	2,6-Dinitrotoluene	16	
208-96-8	Acenaphthylene	15	
99-09-2	3-Nitroaniline	17	
83-32-9	Acenaphthene	15	
51-28-5	2,4-Dinitrophenol	14	
100-02-7	4-Nitrophenol	20	
132-64-9	Dibenzofuran	16	
121-14-2	2,4-Dinitrotoluene	18	
84-66-2	Diethylphthalate	18	
86-73-7	Fluorene	16	
7005-72-3	4-Chlorophenyl-phenylether	17	
100-01-6	4-Nitroaniline	15	
534-52-1	4,6-Dinitro-2-methylphenol	17	
86-30-6	N-Nitrosodiphenylamine	13	
122-66-7	Azobenzene	17	
101-55-3	4-Bromophenyl-phenyl ether	16	
118-74-1	Hexachlorobenzene	16	
87-86-5	Pentachlorophenol	16	
85-01-8	Phenanthrene	16	
120-12-7	Anthracene	15	
86-74-8	Carbazole	18	
84-74-2	Di-n-butylphthalate	19	
206-44-0	Fluoranthene	18	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04DWMS

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB37

Run Sequence: R022905

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-003MS

Sample wt/vol: 1040.0 (g/mL) mL

Lab File ID: T1026010.D

Level: (LOW/MED)

Date Collected: 09/19/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/26/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/26/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
92-87-5	Benzidine	4.8	U
129-00-0	Pyrene	16	
85-68-7	Butylbenzylphthalate	17	
91-94-1	3,3'-Dichlorobenzidine	16	
56-55-3	Benzo(a)anthracene	17	
117-81-7	Bis(2-ethylhexyl)phthalate	18	
218-01-9	Chrysene	17	
117-84-0	Di-n-octylphthalate	19	
205-99-2	Benzo(b)fluoranthene	17	
207-08-9	Benzo(k)fluoranthene	16	
50-32-8	Benzo(a)pyrene	16	
193-39-5	Indeno(1,2,3-cd)pyrene	21	
53-70-3	Dibenzo(a,h)anthracene	20	
191-24-2	Benzo(g,h,i)perylene	20	

Comments:

1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04DWMSD

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB37

Run Sequence: R022905

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-003MSD

Sample wt/vol: 1040.0 (g/mL) mL

Lab File ID: T1026011.D

Level: (LOW/MED)

Date Collected: 09/19/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/26/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/26/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
108-39-4/	3 & 4-Methylphenol	16	
108-60-1	Bis(2-chloroisopropyl)ether	15	
108-95-2	Phenol	17	
111-44-4	Bis(2-Chloroethyl)ether	15	
95-57-8	2-Chlorophenol	16	
541-73-1	1,3-Dichlorobenzene	7.9	
106-46-7	1,4-Dichlorobenzene	7.9	
100-51-6	Benzyl alcohol	17	
95-50-1	1,2-Dichlorobenzene	8.0	
95-48-7	2-Methylphenol	16	
621-64-7	N-Nitroso-di-n-propylamine	18	
67-72-1	Hexachloroethane	7.4	
98-95-3	Nitrobenzene	16	
78-59-1	Isophorone	16	
88-75-5	2-Nitrophenol	16	
105-67-9	2,4-Dimethylphenol	14	
65-85-0	Benzoic acid	9.6	U
111-91-1	Bis(2-chloroethoxy)methane	16	
120-83-2	2,4-Dichlorophenol	15	
120-82-1	1,2,4-Trichlorobenzene	8.0	
91-20-3	Naphthalene	9.1	
106-47-8	4-Chloroaniline	15	
87-68-3	Hexachlorobutadiene	7.4	
59-50-7	4-Chloro-3-methylphenol	17	
91-57-6	2-Methylnaphthalene	10	
77-47-4	Hexachlorocyclopentadiene	0.82	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04DWMSD

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB37

Run Sequence: R022905

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-003MSD

Sample wt/vol: 1040.0 (g/mL) mL

Lab File ID: T1026011.D

Level: (LOW/MED)

Date Collected: 09/19/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/26/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/26/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
88-06-2	2,4,6-Trichlorophenol	15	
95-95-4	2,4,5-Trichlorophenol	16	
91-58-7	2-Chloronaphthalene	12	
88-74-4	2-Nitroaniline	22	
131-11-3	Dimethylphthalate	18	
606-20-2	2,6-Dinitrotoluene	17	
208-96-8	Acenaphthylene	15	
99-09-2	3-Nitroaniline	18	
83-32-9	Acenaphthene	15	
51-28-5	2,4-Dinitrophenol	2.0	J
100-02-7	4-Nitrophenol	14	
132-64-9	Dibenzofuran	16	
121-14-2	2,4-Dinitrotoluene	19	
84-66-2	Diethylphthalate	17	
86-73-7	Fluorene	16	
7005-72-3	4-Chlorophenyl-phenylether	17	
100-01-6	4-Nitroaniline	16	
534-52-1	4,6-Dinitro-2-methylphenol	5.0	
86-30-6	N-Nitrosodiphenylamine	12	
122-66-7	Azobenzene	16	
101-55-3	4-Bromophenyl-phenyl ether	16	
118-74-1	Hexachlorobenzene	17	
87-86-5	Pentachlorophenol	11	
85-01-8	Phenanthrene	16	
120-12-7	Anthracene	18	
86-74-8	Carbazole	18	
84-74-2	Di-n-butylphthalate	19	
206-44-0	Fluoranthene	18	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04DWMSD

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB37

Run Sequence: R022905

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-003MSD

Sample wt/vol: 1040.0 (g/mL) mL

Lab File ID: T1026011.D

Level: (LOW/MED)

Date Collected: 09/19/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/26/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/26/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
92-87-5	Benzidine	4.8	U
129-00-0	Pyrene	16	
85-68-7	Butylbenzylphthalate	17	
91-94-1	3,3'-Dichlorobenzidine	15	
56-55-3	Benzo(a)anthracene	16	
117-81-7	Bis(2-ethylhexyl)phthalate	20	
218-01-9	Chrysene	17	
117-84-0	Di-n-octylphthalate	18	
205-99-2	Benzo(b)fluoranthene	15	
207-08-9	Benzo(k)fluoranthene	16	
50-32-8	Benzo(a)pyrene	16	
193-39-5	Indeno(1,2,3-cd)pyrene	21	
53-70-3	Dibenzo(a,h)anthracene	20	
191-24-2	Benzo(g,h,i)perylene	20	

Comments:

Forms Summary

CAB37

Ordnance by Method 8330

2

WATER ORDNANCE SURROGATE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

SDG No.: CAB37 Run Sequence: R022105

(LAB SAMPLE ID) CLIENT SAMPLE NUMBER	S1 (DNT) #	S2 () #	S3 () #	S4 () #	TOT OUT
(CAB37-005RX) 16LCMW03SWRX	92				0
(CAB37-004RX) 16LCMW03DWRX	86				0
(CAB37-003MSDRX) 16LCMW04DWMSD-RX	86				0
(CAB37-003MSRX) 16LCMW04DWMS-RX	93				0
(CAB37-003RX) 16LCMW04DWRX	89				0
(CAB37-002RX) 16LCMW04SWRX	85				0
(S100107HORWLG) S100107HORWLG	113				0
(B100107HORWLG) B100107HORWLG	97				0
(CAB37-005) 16LCMW03SW	101				0
(CAB37-004) 16LCMW03DW	102				0
(CAB37-003MSD) 16LCMW04DWMSD	99				0
(CAB37-003MS) 16LCMW04DWMS	97				0
(CAB37-003) 16LCMW04DW	99				0
(CAB37-002) 16LCMW04SW	103				0
(S092607HORWLG) S092607HORWLG	114				0
(B092607HORWLG) B092607HORWLG	99				0

QC LIMITS

S1 (DNT) = 3,4-Dinitrotoluene 60-140

S2 () =

S3 () =

S4 () =

Column to be used to flag recovery values

* Values outside of contract required QC limits

3B
WATER ORDNANCE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R021944 SDG No.: CAB37

BS Lab Sample ID: S092607HORWLG

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec	#	Rec Limit
HMX	20.0	8.7095	44	*	80-115
RDX	20.0	7.5422	38	*	50-160
1,3,5-Trinitrobenzene	20.0	18.6883	93		65-140
1,3-Dinitrobenzene	20.0	19.4961	97		45-160
Nitrobenzene	20.0	19.4966	97		50-140
Tetryl	20.0	17.7421	89		20-175
2,4,6-Trinitrotoluene	20.0	19.1901	96		50-145
4-Amino-2,6-dinitrotoluene	20.0	18.3336	92		55-155
2-Amino-4,6-dinitrotoluene	20.0	19.6461	98		50-155
2,6-Dinitrotoluene	20.0	19.546	98		60-135
2,4-Dinitrotoluene	20.0	18.8646	94		60-135
2-Nitrotoluene	20.0	19.1843	96		45-135
4-Nitrotoluene	20.0	19.294	96		50-130
3-Nitrotoluene	20.0	19.0017	95		50-130

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

Spike Recovery: 2 out of 14 outside limits

COMMENTS:

3B
WATER ORDNANCE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R022105 SDG No.: CAB37

BS Lab Sample ID: S100107HORWLG

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
HMX	20.0	22.5294	113	80-115
RDX	20.0	22.1636	111	50-160
1,3,5-Trinitrobenzene	20.0	21.6199	108	65-140
1,3-Dinitrobenzene	20.0	21.9766	110	45-160
Nitrobenzene	20.0	22.3025	112	50-140
Tetryl	20.0	19.5778	98	20-175
2,4,6-Trinitrotoluene	20.0	20.3663	102	50-145
4-Amino-2,6-dinitrotoluene	20.0	19.2835	96	55-155
2-Amino-4,6-dinitrotoluene	20.0	20.8352	104	50-155
2,6-Dinitrotoluene	20.0	20.6664	103	60-135
2,4-Dinitrotoluene	20.0	20.0158	100	60-135
2-Nitrotoluene	20.0	20.3874	102	45-135
4-Nitrotoluene	20.0	20.4313	102	50-130
3-Nitrotoluene	20.0	20.0598	100	50-130

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

Spike Recovery: 0 out of 14 outside limits

COMMENTS:

WATER ORDNANCE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

MS Run Sequence: R021944 MSD Run Sequence: R021944 SDG No.: CAB37

MS Client Sample No.: 16LCMW04DWMS MSD Client Sample No.: 16LCMW04DWMSD

MS Lab Sample ID: CAB37-003MS MSD Lab Sample ID: CAB37-003MSD

Level: N/A Units: ug/L

COMPOUND	SAMPLE CONC	MS SPIKE ADDED	MS CONC	MS % REC #	MSD SPIKE ADDED	MSD CONC	MSD % REC #	%RPD #	QC LIMITS	
									RPD	REC.
HMX	0	19.0	21.1304	111	19.0	19.5263	103	8	30	80-115
RDX	0	19.0	20.8607	110	19.0	19.4025	102	7	30	50-160
1,3,5-Trinitroben zene	0	19.0	19.3977	102	19.0	18.3463	96	6	30	65-140
1,3-Dinitrobenzen e	0	19.0	19.6634	103	19.0	18.5089	97	6	30	45-160
Nitrobenzene	0	19.0	19.5333	103	19.0	18.69	98	4	30	50-140
Tetryl	0	19.0	16.6229	87	19.0	15.6768	82	6	30	20-175
2,4,6-Trinitrotol uene	0	19.0	18.1122	95	19.0	17.1614	90	5	30	50-145
4-Amino-2,6-dinit rotoluene	0	19.0	17.4307	92	19.0	16.4631	86	6	30	55-155
2-Amino-4,6-dinit rotoluene	0	19.0	18.6975	98	19.0	17.6757	93	6	30	50-155
2,6-Dinitrotoluen e	0	19.0	18.2541	96	19.0	17.2497	91	6	30	60-135
2,4-Dinitrotoluen e	0	19.0	17.5969	92	19.0	16.6607	87	6	30	60-135
2-Nitrotoluene	0	19.0	17.5959	92	19.0	16.9292	89	4	30	45-135
4-Nitrotoluene	0	19.0	17.6135	92	19.0	16.9112	89	4	30	50-130
3-Nitrotoluene	0	19.0	17.2972	91	19.0	16.7176	88	3	30	50-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
@ This RPD or percent recovery is not flagged as an exceedence because the Sample Found amount is five times or more than the Spike Added amount.

RPD: 0 out of 14 outside limits
Spike Recovery: 0 out of 28 outside limits

COMMENTS:

WATER ORDNANCE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

MS Run Sequence: R022105 MSD Run Sequence: R021944 SDG No.: CAB37

MS Client Sample No.: 16LCMW04DWMS-RX MSD Client Sample No.: 16LCMW04DWMSD

MS Lab Sample ID: CAB37-003MSRX MSD Lab Sample ID: CAB37-003MSD

Level: N/A Units: ug/L

COMPOUND	SAMPLE CONC	MS SPIKE ADDED	MS CONC	MS % REC #	MSD SPIKE ADDED	MSD CONC	MSD % REC #	%RPD #	QC LIMITS	
									RPD	REC.
HMX	0	19.0	20.8475	109	19.0	19.5263	103	8	30	80-115
RDX	0	19.0	20.558	108	19.0	19.4025	102	7	30	50-160
1,3,5-Trinitrobenzene	0	19.0	18.6527	98	19.0	18.3463	96	6	30	65-140
1,3-Dinitrobenzene	0	19.0	19.076	100	19.0	18.5089	97	6	30	45-160
Nitrobenzene	0	19.0	19.141	100	19.0	18.69	98	4	30	50-140
Tetryl	0	19.0	16.725	88	19.0	15.6768	82	6	30	20-175
2,4,6-Trinitrotoluene	0	19.0	17.2316	90	19.0	17.1614	90	5	30	50-145
4-Amino-2,6-dinitrotoluene	0	19.0	16.6924	88	19.0	16.4631	86	6	30	55-155
2-Amino-4,6-dinitrotoluene	0	19.0	18.0944	95	19.0	17.6757	93	6	30	50-155
2,6-Dinitrotoluene	0	19.0	17.4985	92	19.0	17.2497	91	6	30	60-135
2,4-Dinitrotoluene	0	19.0	16.8579	89	19.0	16.6607	87	6	30	60-135
2-Nitrotoluene	0	19.0	17.0863	90	19.0	16.9292	89	4	30	45-135
4-Nitrotoluene	0	19.0	17.1209	90	19.0	16.9112	89	4	30	50-130
3-Nitrotoluene	0	19.0	16.777	88	19.0	16.7176	88	3	30	50-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
@ This RPD or percent recovery is not flagged as an exceedence because the Sample Found amount is five times or more than the Spike Added amount.

RPD: 0 out of 14 outside limits
Spike Recovery: 0 out of 28 outside limits

COMMENTS:

ORDNANCE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.
B092607HORWLG

Lab Name: Laucks Testing Labs Contract: N/A

Lab Sample ID: B092607HORWLG SDG No.: CAB37

Matrix: (SOIL/WATER) Water Date Prepared: 09/26/2007

Lab File ID (1): O92607.b-O9260704.D Lab File ID (2): F92707.b-F9270704.D

Date Analyzed (1): 09/26/2007 Date Analyzed (2):

Time Analyzed (1): 15:15 Time Analyzed (2):

Instrument ID (1): HPLC5 (Oscar) Instrument ID (2): HPLC3 (Felix)

Column(1): Allure C18 ID: 4.60 (mm) Column(2): Synergi - EtPH ID: 4.60 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC SAMPLES:

CLIENT SAMPLE NO.	LAB SAMPLE ID	COL	LAB FILE ID	DATE/TIME ANALYZED	RUN SEQUENCE
16LCMW04SW	CAB37-002	1	O9260710.D	09/26/2007 19:09	R021944
		2			
16LCMW04DW	CAB37-003	1	O9260711.D	09/26/2007 19:48	R021944
		2			
16LCMW04DWMS	CAB37-003MS	1	O9260712.D	09/26/2007 20:27	R021944
		2			
16LCMW04DWMSD	CAB37-003MSD	1	O9260713.D	09/26/2007 21:06	R021944
		2			
16LCMW03DW	CAB37-004	1	O9260714.D	09/26/2007 21:45	R021944
		2			
16LCMW03SW	CAB37-005	1	O9260715.D	09/26/2007 22:24	R021944
		2			
S092607HORWLG	S092607HORWLG	1	O9260705.D	09/26/2007 15:54	R021944
		2	F9270705.D	09/27/2007 13:17	R021944
16LCMW04DWMS-RX	CAB37-003MSRX	1	OA010721.D	10/02/2007 00:39	R022105
		2			
16LCMW04DWMSD-RX	CAB37-003MSDRX	1	OA010722.D	10/02/2007 01:18	R022105
		2			

COMMENTS:

ORDNANCE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.
B100107HORWLG

Lab Name: Laucks Testing Labs Contract: N/A

Lab Sample ID: B100107HORWLG SDG No.: CAB37

Matrix: (SOIL/WATER) Water Date Prepared: 10/01/2007

Lab File ID (1): OA0107A.b-OA010715.D Lab File ID (2): FA0207.b-FA020711.D

Date Analyzed (1): 10/01/2007 Date Analyzed (2):

Time Analyzed (1): 20:45 Time Analyzed (2):

Instrument ID (1): HPLC5 (Oscar) Instrument ID (2): HPLC3 (Felix)

Column(1): Allure C18 ID: 4.60 (mm) Column(2): Synergi - EtPH ID: 4.60 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC SAMPLES:

CLIENT SAMPLE NO.	LAB SAMPLE ID	COL	LAB FILE ID	DATE/TIME ANALYZED	RUN SEQUENCE
16LCMW04SWRX	CAB37-002RX	1	OA010719.D	10/01/2007 23:21	R022105
		2			
16LCMW04DWRX	CAB37-003RX	1	OA010720.D	10/02/2007 00:00	R022105
		2			
16LCMW03DWRX	CAB37-004RX	1	OA010723.D	10/02/2007 01:57	R022105
		2			
16LCMW03SWRX	CAB37-005RX	1	OA010724.D	10/02/2007 02:36	R022105
		2			
S100107HORWLG	S100107HORWLG	1	OA010716.D	10/01/2007 21:24	R022105
		2	FA020712.D	10/02/2007 17:24	R022105

COMMENTS:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04SW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R021944

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-002

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: O9260710.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/19/2007

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/26/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.48	U
121-82-4	RDX	0.48	U
99-35-4	1,3,5-Trinitrobenzene	0.48	U
99-65-0	1,3-Dinitrobenzene	0.48	U
98-95-3	Nitrobenzene	0.48	U
479-45-8	Tetryl	0.48	U
118-96-7	2,4,6-Trinitrotoluene	0.48	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.48	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.48	U
606-20-2	2,6-Dinitrotoluene	0.48	U
121-14-2	2,4-Dinitrotoluene	0.48	U
88-72-2	2-Nitrotoluene	0.48	U
99-99-0	4-Nitrotoluene	0.48	U
99-08-1	3-Nitrotoluene	0.48	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04SWRX

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R022105

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-002RX

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: OA010719.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/19/2007

Extraction: (Type) SPE

Date Extracted: 10/01/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 10/01/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.48	U
121-82-4	RDX	0.48	U
99-35-4	1,3,5-Trinitrobenzene	0.48	U
99-65-0	1,3-Dinitrobenzene	0.48	U
98-95-3	Nitrobenzene	0.48	U
479-45-8	Tetryl	0.48	U
118-96-7	2,4,6-Trinitrotoluene	0.48	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.48	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.48	U
606-20-2	2,6-Dinitrotoluene	0.48	U
121-14-2	2,4-Dinitrotoluene	0.48	U
88-72-2	2-Nitrotoluene	0.48	U
99-99-0	4-Nitrotoluene	0.48	U
99-08-1	3-Nitrotoluene	0.48	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04DW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R021944

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-003

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: O9260711.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/19/2007

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/26/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.48	U
121-82-4	RDX	0.48	U
99-35-4	1,3,5-Trinitrobenzene	0.48	U
99-65-0	1,3-Dinitrobenzene	0.48	U
98-95-3	Nitrobenzene	0.48	U
479-45-8	Tetryl	0.48	U
118-96-7	2,4,6-Trinitrotoluene	0.48	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.48	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.48	U
606-20-2	2,6-Dinitrotoluene	0.48	U
121-14-2	2,4-Dinitrotoluene	0.48	U
88-72-2	2-Nitrotoluene	0.48	U
99-99-0	4-Nitrotoluene	0.48	U
99-08-1	3-Nitrotoluene	0.48	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04DWRX

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R022105

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-003RX

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: OA010720.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/19/2007

Extraction: (Type) SPE

Date Extracted: 10/01/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 10/02/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.48	U
121-82-4	RDX	0.48	U
99-35-4	1,3,5-Trinitrobenzene	0.48	U
99-65-0	1,3-Dinitrobenzene	0.48	U
98-95-3	Nitrobenzene	0.48	U
479-45-8	Tetryl	0.48	U
118-96-7	2,4,6-Trinitrotoluene	0.48	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.48	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.48	U
606-20-2	2,6-Dinitrotoluene	0.48	U
121-14-2	2,4-Dinitrotoluene	0.48	U
88-72-2	2-Nitrotoluene	0.48	U
99-99-0	4-Nitrotoluene	0.48	U
99-08-1	3-Nitrotoluene	0.48	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW03DW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R021944

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-004

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: O9260714.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/19/2007

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/26/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.48	U
121-82-4	RDX	0.48	U
99-35-4	1,3,5-Trinitrobenzene	0.48	U
99-65-0	1,3-Dinitrobenzene	0.48	U
98-95-3	Nitrobenzene	0.48	U
479-45-8	Tetryl	0.48	U
118-96-7	2,4,6-Trinitrotoluene	0.48	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.48	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.48	U
606-20-2	2,6-Dinitrotoluene	0.48	U
121-14-2	2,4-Dinitrotoluene	0.48	U
88-72-2	2-Nitrotoluene	0.48	U
99-99-0	4-Nitrotoluene	0.48	U
99-08-1	3-Nitrotoluene	0.48	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW03DWRX

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R022105

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-004RX

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: OA010723.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/19/2007

Extraction: (Type) SPE

Date Extracted: 10/01/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 10/02/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.48	U
121-82-4	RDX	0.48	U
99-35-4	1,3,5-Trinitrobenzene	0.48	U
99-65-0	1,3-Dinitrobenzene	0.48	U
98-95-3	Nitrobenzene	0.48	U
479-45-8	Tetryl	0.48	U
118-96-7	2,4,6-Trinitrotoluene	0.48	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.48	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.48	U
606-20-2	2,6-Dinitrotoluene	0.48	U
121-14-2	2,4-Dinitrotoluene	0.48	U
88-72-2	2-Nitrotoluene	0.48	U
99-99-0	4-Nitrotoluene	0.48	U
99-08-1	3-Nitrotoluene	0.48	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW03SW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R021944

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-005

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: O9260715.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/19/2007

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/26/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.48	U
121-82-4	RDX	0.48	U
99-35-4	1,3,5-Trinitrobenzene	0.48	U
99-65-0	1,3-Dinitrobenzene	0.48	U
98-95-3	Nitrobenzene	0.48	U
479-45-8	Tetryl	0.48	U
118-96-7	2,4,6-Trinitrotoluene	0.48	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.48	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.48	U
606-20-2	2,6-Dinitrotoluene	0.48	U
121-14-2	2,4-Dinitrotoluene	0.48	U
88-72-2	2-Nitrotoluene	0.48	U
99-99-0	4-Nitrotoluene	0.48	U
99-08-1	3-Nitrotoluene	0.48	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW03SWRX

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R022105

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-005RX

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: OA010724.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/19/2007

Extraction: (Type) SPE

Date Extracted: 10/01/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 10/02/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.48	U
121-82-4	RDX	0.48	U
99-35-4	1,3,5-Trinitrobenzene	0.48	U
99-65-0	1,3-Dinitrobenzene	0.48	U
98-95-3	Nitrobenzene	0.48	U
479-45-8	Tetryl	0.48	U
118-96-7	2,4,6-Trinitrotoluene	0.48	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.48	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.48	U
606-20-2	2,6-Dinitrotoluene	0.48	U
121-14-2	2,4-Dinitrotoluene	0.48	U
88-72-2	2-Nitrotoluene	0.48	U
99-99-0	4-Nitrotoluene	0.48	U
99-08-1	3-Nitrotoluene	0.48	U

Comments:

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Laucks Testing Labs
Initial Calibration Linearity Summary

Start Cal Date: 18-JUL-2007 22:47
End Cal Date : 19-JUL-2007 01:27
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\071807A.b\8330JUL1807.m
Sublist : 8330MNX.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180720.D
Level 2: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180721.D
Level 3: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180722.D
Level 4: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180723.D
Level 5: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180724.D

	Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave CF	%RSD
1	HMX	10.36000	9.720000	10.52600	9.451000	9.429400	9.897280	5.2
4	MNX	12.62000	13.21000	12.95400	13.11200	11.23400	12.62600	6.4
5	RDX	7.440000	7.200000	8.314000	7.449000	7.510600	7.582720	5.6
6	1,3,5-Trinitrobenzene	14.28000	13.64000	14.83000	13.44500	13.59720	13.95844	4.2
7	1,3-Dinitrobenzene	15.30000	14.46000	15.94800	14.62100	14.89880	15.04556	4.0
8	Tetryl	7.940000	7.440000	8.250000	7.503000	7.571600	7.740920	4.4
9	Nitrobenzene	8.460000	8.220000	8.566000	8.386000	8.601000	8.446600	1.8
11	2,4,6-Trinitrotoluene	9.060000	8.520000	9.394000	8.528000	8.622400	8.824880	4.4
12	4-Amino-2,6-Dinitrotoluene	6.100000	5.860000	6.518000	5.900000	5.938000	6.063200	4.5
13	2-Amino-4,6-Dinitrotoluene	8.200000	7.750000	8.562000	7.731000	7.787800	8.006160	4.6
14	2,6-Dinitrotoluene	5.180000	4.970000	5.502000	5.056000	5.131000	5.167800	3.9

Amount = Response divided by CF

CF - Calibration Factor (response divided by concentration).
RSD - Relative Standard Deviation.

Laucks Testing Labs
Initial Calibration Linearity Summary

SUM - 127

	Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave CF	%RSD
15	2,4-Dinitrotoluene	9.600000	9.110000	10.15000	9.291000	9.409000	9.512000	4.2
16	2-Nitrotoluene	3.520000	3.370000	3.482000	3.410000	3.505600	3.457520	1.9
17	4-Nitrotoluene	2.860000	2.590000	2.744000	2.672000	2.762600	2.725720	3.7
18	3-Nitrotoluene	3.280000	3.130000	3.220000	3.141000	3.248600	3.203920	2.1
10	3,4-Dinitrotoluene	7.560000	7.250000	7.912000	7.363000	7.424600	7.501920	3.4
	Average RSD :							4.0

Amount = Response divided by CF

CF - Calibration Factor (response divided by concentration).
RSD - Relative Standard Deviation.

SUM - 128

Laucks Testing Labs
Initial Calibration Retention Time Summary

Start Cal Date: 18-JUL-2007 22:47
End Cal Date : 19-JUL-2007 01:27
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\071807A.b\8330JUL1807.m
Sublist : 8330MNX.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180720.D
Level 2: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180721.D
Level 3: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180722.D
Level 4: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180723.D
Level 5: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180724.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave RT
1 HMX	4.54	4.54	4.54	4.54	4.55	4.543
4 MNX	6.76	6.76	6.77	6.76	6.77	6.764
5 RDX	7.92	7.92	7.92	7.92	7.92	7.918
6 1,3,5-Trinitrobenzene	11.44	11.45	11.45	11.45	11.45	11.448
7 1,3-Dinitrobenzene	14.16	14.16	14.18	14.16	14.15	14.161
8 Tetryl	15.83	15.84	15.85	15.82	15.82	15.831
9 Nitrobenzene	16.66	16.67	16.68	16.65	16.65	16.662
11 2,4,6-Trinitrotoluene	19.26	19.26	19.27	19.24	19.24	19.252
12 4-Amino-2,6-Dinitrotoluene	19.97	19.98	19.99	19.96	19.96	19.972
13 2-Amino-4,6-Dinitrotoluene	21.06	21.07	21.08	21.04	21.04	21.057
14 2,6-Dinitrotoluene	22.41	22.41	22.42	22.39	22.39	22.405

Retention times are expressed as minutes.

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Laucks Testing Labs
Initial Calibration Retention Time Summary

Start Cal Date: 18-JUL-2007 22:47
End Cal Date : 19-JUL-2007 01:27
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\071807A.b\8330JUL1807.m
Sublist : 8330MNX.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave RT
15 2,4-Dinitrotoluene	23.30	23.31	23.31	23.28	23.28	23.295
16 2-Nitrotoluene	28.25	28.24	28.25	28.22	28.22	28.235
17 4-Nitrotoluene	30.68	30.69	30.70	30.67	30.66	30.682
18 3-Nitrotoluene	33.03	33.02	33.02	32.99	33.00	33.012
10 3,4-Dinitrotoluene	17.00	17.01	17.03	17.00	17.00	17.007

Retention times are expressed as minutes.

SUM - 130

Laucks Testing Labs
Initial Calibration Amounts Summary

Start Cal Date: 18-JUL-2007 22:47
End Cal Date : 19-JUL-2007 01:27
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\O71807A.b\8330JUL1807.m
Sublist : 8330MNX.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180720.D
Level 2: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180721.D
Level 3: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180722.D
Level 4: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180723.D
Level 5: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180724.D

	Compound	Level 1	Level 2	Level 3	Level 4	Level 5
1	HMX	50.00	100.00	500.00	1000.00	5000.00
4	MNX	50.00	100.00	500.00	1000.00	5000.00
5	RDX	50.00	100.00	500.00	1000.00	5000.00
6	1,3,5-Trinitrobenzene	50.00	100.00	500.00	1000.00	5000.00
7	1,3-Dinitrobenzene	50.00	100.00	500.00	1000.00	5000.00
8	Tetryl	50.00	100.00	500.00	1000.00	5000.00
9	Nitrobenzene	50.00	100.00	500.00	1000.00	5000.00
11	2,4,6-Trinitrotoluene	50.00	100.00	500.00	1000.00	5000.00
12	4-Amino-2,6-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00
13	2-Amino-4,6-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00
14	2,6-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00

Standard concentrations are expressed as ng/mL.

Laucks Testing Labs
Initial Calibration Amounts Summary

SUM - 131

Start Cal Date: 18-JUL-2007 22:47
End Cal Date : 19-JUL-2007 01:27
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\071807A.b\8330JUL1807.m
Sublist : 8330MNX.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
15 2,4-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00
16 2-Nitrotoluene	50.00	100.00	500.00	1000.00	5000.00
17 4-Nitrotoluene	50.00	100.00	500.00	1000.00	5000.00
18 3-Nitrotoluene	50.00	100.00	500.00	1000.00	5000.00
10 3,4-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00

Standard concentrations are expressed as ng/mL.

SUM - 132

Laucks Testing Labs
Initial Calibration Response Summary

Start Cal Date: 18-JUL-2007 22:47
End Cal Date : 19-JUL-2007 01:27
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\O71807A.b\8330JUL1807.m
Sublist : 8330MNX.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180720.D
Level 2: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180721.D
Level 3: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180722.D
Level 4: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180723.D
Level 5: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180724.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
1 HMX	518.00000	972.00000	5263.0000	9451.0000	47147.000
4 MNX	631.00000	1321.0000	6477.0000	13112.000	56170.000
5 RDX	372.00000	720.00000	4157.0000	7449.0000	37553.000
6 1,3,5-Trinitrobenzene	714.00000	1364.0000	7415.0000	13445.000	67986.000
7 1,3-Dinitrobenzene	765.00000	1446.0000	7974.0000	14621.000	74494.000
8 Tetryl	397.00000	744.00000	4125.0000	7503.0000	37858.000
9 Nitrobenzene	423.00000	822.00000	4283.0000	8386.0000	43005.000
11 2,4,6-Trinitrotoluene	453.00000	852.00000	4697.0000	8528.0000	43112.000
12 4-Amino-2,6-Dinitrotoluene	305.00000	586.00000	3259.0000	5900.0000	29690.000
13 2-Amino-4,6-Dinitrotoluene	410.00000	775.00000	4281.0000	7731.0000	38939.000
14 2,6-Dinitrotoluene	259.00000	497.00000	2751.0000	5056.0000	25655.000

Response is in Height units.

Laucks Testing Labs
Initial Calibration Response Summary

SUM - 133

Start Cal Date: 18-JUL-2007 22:47
End Cal Date : 19-JUL-2007 01:27
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\071807A.b\8330JUL1807.m
Sublist : 8330MNX.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
15 2,4-Dinitrotoluene	480.00000	911.00000	5075.0000	9291.0000	47045.000
16 2-Nitrotoluene	176.00000	337.00000	1741.0000	3410.0000	17528.000
17 4-Nitrotoluene	143.00000	259.00000	1372.0000	2672.0000	13813.000
18 3-Nitrotoluene	164.00000	313.00000	1610.0000	3141.0000	16243.000
10 3,4-Dinitrotoluene	378.00000	725.00000	3956.0000	7363.0000	37123.000

Response is in Height units.

Laucks Testing Labs
Initial Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/092607.b/09260703.D		
Injection Date	: 26-SEP-2007 14:19		
Sample Info	: STD04 1000PPB METHOD 8330		
Misc. Info	: ICV		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-02 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: 8330JUL1807.m	Sublist	: 8330
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_4
Column	: C18	Column Size	: 0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	ICV CF	%D	Flag
HMX	4.59 #	4.34 - 4.84	9.897280	9.718000	1.8	
RDX	8.05 #	7.80 - 8.30	7.582720	7.530000	0.7	
1,3,5-Trinitrobenzene	11.68 #	11.43 - 11.93	13.95844	13.52100	3.1	
1,3-Dinitrobenzene	14.44 #	14.20 - 14.70	15.04556	14.79800	1.6	
Tetryl	16.22 #	15.98 - 16.48	7.740920	7.106000	8.2	
Nitrobenzene	16.96 #	16.71 - 17.21	8.446600	8.799000	-4.2	
3,4-Dinitrotoluene	17.44 #	17.19 - 17.69	7.501920	6.380000	15.0	
2,4,6-Trinitrotoluene	19.70 #	19.45 - 19.95	8.824880	7.910000	10.4	
4-Amino-2,6-Dinitrotoluene	20.45 #	20.15 - 20.75	6.063200	5.852000	3.5	
2-Amino-4,6-Dinitrotoluene	21.56 #	21.26 - 21.86	8.006160	7.750000	3.2	
2,6-Dinitrotoluene	22.90 #	22.61 - 23.19	5.167800	5.098000	1.4	
2,4-Dinitrotoluene	23.82 #	23.53 - 24.11	9.512000	9.301000	2.2	
2-Nitrotoluene	28.81 #	28.45 - 29.17	3.457520	3.586000	-3.7	
4-Nitrotoluene	31.33 #	30.93 - 31.73	2.725720	2.830000	-3.8	
3-Nitrotoluene	33.68 #	33.24 - 34.12	3.203920	3.344000	-4.4	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - ICV CF) divided by Ave CF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/092607.b/09260709.D		
Injection Date	: 26-SEP-2007 18:30		
Sample Info	: STD04 1000PPB METHOD 8330		
Misc. Info	: Method 8330		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-02 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: 8330JUL1807.m	Sublist	: 8330
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 2.00	Sample Type	: CCALIB_4
Column	: C18	Column Size	: 0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
HMX	4.60	4.34 - 4.84	9.897280	9.748000	1.5	
RDX	8.06	7.80 - 8.30	7.582720	7.499000	1.1	
1,3,5-Trinitrobenzene	11.69	11.43 - 11.93	13.95844	13.52600	3.1	
1,3-Dinitrobenzene	14.45	14.20 - 14.70	15.04556	14.87000	1.2	
Tetryl	16.22	15.98 - 16.48	7.740920	7.025000	9.2	
Nitrobenzene	16.96	16.71 - 17.21	8.446600	8.731000	-3.4	
3,4-Dinitrotoluene	17.44	17.19 - 17.69	7.501920	6.337000	15.5	
2,4,6-Trinitrotoluene	19.70	19.45 - 19.95	8.824880	7.879000	10.7	
4-Amino-2,6-Dinitrotoluene	20.43	20.15 - 20.75	6.063200	5.847000	3.6	
2-Amino-4,6-Dinitrotoluene	21.54	21.26 - 21.86	8.006160	7.680000	4.1	
2,6-Dinitrotoluene	22.91	22.61 - 23.19	5.167800	5.034000	2.6	
2,4-Dinitrotoluene	23.82	23.53 - 24.11	9.512000	9.219000	3.1	
2-Nitrotoluene	28.83	28.45 - 29.17	3.457520	3.578000	-3.5	
4-Nitrotoluene	31.35	30.93 - 31.73	2.725720	2.775000	-1.8	
3-Nitrotoluene	33.72	33.24 - 34.12	3.203920	3.356000	-4.7	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/O92607.b/O9260716.D		
Injection Date	: 26-SEP-2007 23:03		
Sample Info	: STD04 1000PPB METHOD 8330		
Misc. Info	: Method 8330		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-02 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: 8330JUL1807.m	Sublist	: 8330
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 2.00	Sample Type	: CCALIB_4
Column	: C18	Column Size	: 0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
HMX	4.59	4.34 - 4.84	9.897280	9.709000	1.9	
RDX	8.05	7.80 - 8.30	7.582720	7.595000	-0.2	
1,3,5-Trinitrobenzene	11.66	11.43 - 11.93	13.95844	13.68800	1.9	
1,3-Dinitrobenzene	14.40	14.20 - 14.70	15.04556	14.87200	1.2	
Tetryl	16.16	15.98 - 16.48	7.740920	7.132000	7.9	
Nitrobenzene	16.92	16.71 - 17.21	8.446600	8.728000	-3.3	
3,4-Dinitrotoluene	17.38	17.19 - 17.69	7.501920	6.428000	14.3	
2,4,6-Trinitrotoluene	19.64	19.45 - 19.95	8.824880	7.856000	11.0	
4-Amino-2,6-Dinitrotoluene	20.37	20.15 - 20.75	6.063200	5.817000	4.1	
2-Amino-4,6-Dinitrotoluene	21.48	21.26 - 21.86	8.006160	7.668000	4.2	
2,6-Dinitrotoluene	22.85	22.61 - 23.19	5.167800	5.052000	2.2	
2,4-Dinitrotoluene	23.76	23.53 - 24.11	9.512000	9.224000	3.0	
2-Nitrotoluene	28.77	28.45 - 29.17	3.457520	3.518000	-1.7	
4-Nitrotoluene	31.29	30.93 - 31.73	2.725720	2.766000	-1.5	
3-Nitrotoluene	33.65	33.24 - 34.12	3.203920	3.279000	-2.3	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Initial Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/OA0107A.b/OA010710.D		
Injection Date	: 01-OCT-2007 17:29		
Sample Info	: STD04 1000PPB METHOD 8330		
Misc. Info	: ICV		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-02 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: 8330JUL1807.m	Sublist	: 8330
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type:	CCALIB_4
Column	: C18	Column Size:	0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	ICV CF	%D	Flag
HMX	4.57 #	4.32 - 4.82	9.897280	9.558000	3.4	
RDX	7.99 #	7.74 - 8.24	7.582720	7.526000	0.7	
1,3,5-Trinitrobenzene	11.57 #	11.32 - 11.82	13.95844	13.64200	2.3	
1,3-Dinitrobenzene	14.29 #	14.04 - 14.54	15.04556	14.68900	2.4	
Tetryl	16.00 #	15.75 - 16.25	7.740920	7.032000	9.2	
Nitrobenzene	16.78 #	16.53 - 17.03	8.446600	8.714000	-3.2	
3,4-Dinitrotoluene	17.19 #	16.94 - 17.44	7.501920	6.533000	12.9	
2,4,6-Trinitrotoluene	19.45 #	19.20 - 19.70	8.824880	7.826000	11.3	
4-Amino-2,6-Dinitrotoluene	20.15 #	19.85 - 20.45	6.063200	5.871000	3.2	
2-Amino-4,6-Dinitrotoluene	21.25 #	20.95 - 21.55	8.006160	7.769000	3.0	
2,6-Dinitrotoluene	22.59 #	22.30 - 22.88	5.167800	5.087000	1.6	
2,4-Dinitrotoluene	23.49 #	23.20 - 23.78	9.512000	9.269000	2.6	
2-Nitrotoluene	28.42 #	28.06 - 28.78	3.457520	3.503000	-1.3	
4-Nitrotoluene	30.90 #	30.50 - 31.30	2.725720	2.762000	-1.3	
3-Nitrotoluene	33.22 #	32.78 - 33.66	3.203920	3.263000	-1.8	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - ICV CF) divided by Ave CF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/OA0107A.b/OA010718.D		
Injection Date	: 01-OCT-2007 22:42		
Sample Info	: STD04 1000PPB METHOD 8330		
Misc. Info	: Method 8330		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-02 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: 8330JUL1807.m	Sublist	: 8330
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type:	CCALIB_4
Column	: C18	Column Size:	0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
HMX	4.57	4.32 - 4.82	9.897280	9.472000	4.3	
RDX	7.99	7.74 - 8.24	7.582720	7.430000	2.0	
1,3,5-Trinitrobenzene	11.56	11.32 - 11.82	13.95844	13.36200	4.3	
1,3-Dinitrobenzene	14.29	14.04 - 14.54	15.04556	14.53900	3.4	
Tetryl	16.00	15.75 - 16.25	7.740920	6.827000	11.8	
Nitrobenzene	16.78	16.53 - 17.03	8.446600	8.455000	-0.1	
3,4-Dinitrotoluene	17.20	16.94 - 17.44	7.501920	6.333000	15.6	
2,4,6-Trinitrotoluene	19.46	19.20 - 19.70	8.824880	7.628000	13.6	
4-Amino-2,6-Dinitrotoluene	20.18	19.85 - 20.45	6.063200	5.709000	5.8	
2-Amino-4,6-Dinitrotoluene	21.29	20.95 - 21.55	8.006160	7.496000	6.4	
2,6-Dinitrotoluene	22.63	22.30 - 22.88	5.167800	4.888000	5.4	
2,4-Dinitrotoluene	23.54	23.20 - 23.78	9.512000	9.011000	5.3	
2-Nitrotoluene	28.47	28.06 - 28.78	3.457520	3.441000	0.5	
4-Nitrotoluene	30.96	30.50 - 31.30	2.725720	2.682000	1.6	
3-Nitrotoluene	33.29	32.78 - 33.66	3.203920	3.198000	0.2	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/OA0107A.b/OA010725.D		
Injection Date	: 02-OCT-2007 03:15		
Sample Info	: STD04 1000PPB METHOD 8330		
Misc. Info	: Method 8330		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-02 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: 8330JUL1807.m	Sublist	: 8330
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type:	CCALIB_4
Column	: C18	Column Size:	0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
HMX	4.58	4.32 - 4.82	9.897280	9.582000	3.2	
RDX	8.01	7.74 - 8.24	7.582720	7.532000	0.7	
1,3,5-Trinitrobenzene	11.59	11.32 - 11.82	13.95844	13.53100	3.1	
1,3-Dinitrobenzene	14.32	14.04 - 14.54	15.04556	14.67800	2.4	
Tetryl	16.05	15.75 - 16.25	7.740920	6.959000	10.1	
Nitrobenzene	16.82	16.53 - 17.03	8.446600	8.457000	-0.1	
3,4-Dinitrotoluene	17.25	16.94 - 17.44	7.501920	6.404000	14.6	
2,4,6-Trinitrotoluene	19.51	19.20 - 19.70	8.824880	7.720000	12.5	
4-Amino-2,6-Dinitrotoluene	20.26	19.85 - 20.45	6.063200	5.767000	4.9	
2-Amino-4,6-Dinitrotoluene	21.37	20.95 - 21.55	8.006160	7.607000	5.0	
2,6-Dinitrotoluene	22.69	22.30 - 22.88	5.167800	4.968000	3.9	
2,4-Dinitrotoluene	23.61	23.20 - 23.78	9.512000	9.087000	4.5	
2-Nitrotoluene	28.55	28.06 - 28.78	3.457520	3.410000	1.4	
4-Nitrotoluene	31.06	30.50 - 31.30	2.725720	2.704000	0.8	
3-Nitrotoluene	33.40	32.78 - 33.66	3.203920	3.172000	1.0	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B092607HORWLG

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R021944

Matrix: (SOIL/WATER) Water

Lab Sample ID: B092607HORWLG

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: O9260704.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/26/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.50	U
121-82-4	RDX	0.50	U
99-35-4	1,3,5-Trinitrobenzene	0.50	U
99-65-0	1,3-Dinitrobenzene	0.50	U
98-95-3	Nitrobenzene	0.50	U
479-45-8	Tetryl	0.50	U
118-96-7	2,4,6-Trinitrotoluene	0.50	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.50	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.50	U
606-20-2	2,6-Dinitrotoluene	0.50	U
121-14-2	2,4-Dinitrotoluene	0.50	U
88-72-2	2-Nitrotoluene	0.50	U
99-99-0	4-Nitrotoluene	0.50	U
99-08-1	3-Nitrotoluene	0.50	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B100107HORWLG

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R022105

Matrix: (SOIL/WATER) Water

Lab Sample ID: B100107HORWLG

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: OA010715.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SPE

Date Extracted: 10/01/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 10/01/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.50	U
121-82-4	RDX	0.50	U
99-35-4	1,3,5-Trinitrobenzene	0.50	U
99-65-0	1,3-Dinitrobenzene	0.50	U
98-95-3	Nitrobenzene	0.50	U
479-45-8	Tetryl	0.50	U
118-96-7	2,4,6-Trinitrotoluene	0.50	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.50	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.50	U
606-20-2	2,6-Dinitrotoluene	0.50	U
121-14-2	2,4-Dinitrotoluene	0.50	U
88-72-2	2-Nitrotoluene	0.50	U
99-99-0	4-Nitrotoluene	0.50	U
99-08-1	3-Nitrotoluene	0.50	U

Comments:

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S092607HORWLG

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R021944

Matrix: (SOIL/WATER) Water

Lab Sample ID: S092607HORWLG

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: O9260705.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/26/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
2691-41-0	HMX	8.71	
121-82-4	RDX	7.54	
99-35-4	1,3,5-Trinitrobenzene	18.7	
99-65-0	1,3-Dinitrobenzene	19.5	
98-95-3	Nitrobenzene	19.5	
479-45-8	Tetryl	17.7	
118-96-7	2,4,6-Trinitrotoluene	19.2	
19406-51-0	4-Amino-2,6-dinitrotoluene	18.3	
35572-78-2	2-Amino-4,6-dinitrotoluene	19.6	
606-20-2	2,6-Dinitrotoluene	19.5	
121-14-2	2,4-Dinitrotoluene	18.9	
88-72-2	2-Nitrotoluene	19.2	
99-99-0	4-Nitrotoluene	19.3	
99-08-1	3-Nitrotoluene	19.0	

Comments:

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S100107HORWLG

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R022105

Matrix: (SOIL/WATER) Water

Lab Sample ID: S100107HORWLG

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: OA010716.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SPE

Date Extracted: 10/01/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 10/01/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
2691-41-0	HMX	22.5	
121-82-4	RDX	22.2	
99-35-4	1,3,5-Trinitrobenzene	21.6	
99-65-0	1,3-Dinitrobenzene	22.0	
98-95-3	Nitrobenzene	22.3	
479-45-8	Tetryl	19.6	
118-96-7	2,4,6-Trinitrotoluene	20.4	
19406-51-0	4-Amino-2,6-dinitrotoluene	19.3	
35572-78-2	2-Amino-4,6-dinitrotoluene	20.8	
606-20-2	2,6-Dinitrotoluene	20.7	
121-14-2	2,4-Dinitrotoluene	20.0	
88-72-2	2-Nitrotoluene	20.4	
99-99-0	4-Nitrotoluene	20.4	
99-08-1	3-Nitrotoluene	20.1	

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04DWMS

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R021944

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-003MS

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: O9260712.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/19/2007

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/26/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	21.1	
121-82-4	RDX	20.9	
99-35-4	1,3,5-Trinitrobenzene	19.4	
99-65-0	1,3-Dinitrobenzene	19.7	
98-95-3	Nitrobenzene	19.5	
479-45-8	Tetryl	16.6	
118-96-7	2,4,6-Trinitrotoluene	18.1	
19406-51-0	4-Amino-2,6-dinitrotoluene	17.4	
35572-78-2	2-Amino-4,6-dinitrotoluene	18.7	
606-20-2	2,6-Dinitrotoluene	18.3	
121-14-2	2,4-Dinitrotoluene	17.6	
88-72-2	2-Nitrotoluene	17.6	
99-99-0	4-Nitrotoluene	17.6	
99-08-1	3-Nitrotoluene	17.3	

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04DWMS-RX

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R022105

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-003MSRX

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: OA010721.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/19/2007

Extraction: (Type) SPE

Date Extracted: 10/01/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 10/02/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	20.8	
121-82-4	RDX	20.6	
99-35-4	1,3,5-Trinitrobenzene	18.7	
99-65-0	1,3-Dinitrobenzene	19.1	
98-95-3	Nitrobenzene	19.1	
479-45-8	Tetryl	16.7	
118-96-7	2,4,6-Trinitrotoluene	17.2	
19406-51-0	4-Amino-2,6-dinitrotoluene	16.7	
35572-78-2	2-Amino-4,6-dinitrotoluene	18.1	
606-20-2	2,6-Dinitrotoluene	17.5	
121-14-2	2,4-Dinitrotoluene	16.9	
88-72-2	2-Nitrotoluene	17.1	
99-99-0	4-Nitrotoluene	17.1	
99-08-1	3-Nitrotoluene	16.8	

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04DWMSD

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R021944

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-003MSD

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: O9260713.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/19/2007

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/26/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	19.5	
121-82-4	RDX	19.4	
99-35-4	1,3,5-Trinitrobenzene	18.3	
99-65-0	1,3-Dinitrobenzene	18.5	
98-95-3	Nitrobenzene	18.7	
479-45-8	Tetryl	15.7	
118-96-7	2,4,6-Trinitrotoluene	17.2	
19406-51-0	4-Amino-2,6-dinitrotoluene	16.5	
35572-78-2	2-Amino-4,6-dinitrotoluene	17.7	
606-20-2	2,6-Dinitrotoluene	17.2	
121-14-2	2,4-Dinitrotoluene	16.7	
88-72-2	2-Nitrotoluene	16.9	
99-99-0	4-Nitrotoluene	16.9	
99-08-1	3-Nitrotoluene	16.7	

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04DWMSD-RX

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R022105

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-003MSDRX

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: OA010722.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/19/2007

Extraction: (Type) SPE

Date Extracted: 10/01/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 10/02/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	19.2	
121-82-4	RDX	18.8	
99-35-4	1,3,5-Trinitrobenzene	16.3	
99-65-0	1,3-Dinitrobenzene	16.8	
98-95-3	Nitrobenzene	16.7	
479-45-8	Tetryl	14.7	
118-96-7	2,4,6-Trinitrotoluene	15.0	
19406-51-0	4-Amino-2,6-dinitrotoluene	14.8	
35572-78-2	2-Amino-4,6-dinitrotoluene	16.1	
606-20-2	2,6-Dinitrotoluene	15.3	
121-14-2	2,4-Dinitrotoluene	14.7	
88-72-2	2-Nitrotoluene	14.5	
99-99-0	4-Nitrotoluene	14.6	
99-08-1	3-Nitrotoluene	14.2	

Comments:

Forms Summary

CAB37

Ordnance by Method 8332

2

WATER ORDNANCE SURROGATE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

SDG No.: CAB37 Run Sequence: R021967

(LAB SAMPLE ID) CLIENT SAMPLE NUMBER	S1 (DNT) #	S2 () #	S3 () #	S4 () #	TOT OUT
(CAB37-005) 16LCMW03SW	143 *				1
(CAB37-004) 16LCMW03DW	142 *				1
(CAB37-003MSD) 16LCMW04DWMSD	124				0
(CAB37-003MS) 16LCMW04DWMS	108				0
(CAB37-003) 16LCMW04DW	137				0
(CAB37-002) 16LCMW04SW	145 *				1
(S092607HORWLG2) S092607HORWLG2	143 *				1
(B092607HORWLG) B092607HORWLG	133				0

QC LIMITS

S1 (DNT) = 3,4-Dinitrotoluene 60-140

S2 () =

S3 () =

S4 () =

Column to be used to flag recovery values

* Values outside of contract required QC limits

3B
WATER ORDNANCE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R021967 SDG No.: CAB37

BS Lab Sample ID: S092607HORWLG2

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
Nitroglycerin	10.0	11.3271	113	60-140
PETN	5.00	5.2926	106	60-140

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

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

WATER ORDNANCE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

MS Run Sequence: R021967 MSD Run Sequence: R021967 SDG No.: CAB37

MS Client Sample No.: 16LCMW04DWMS MSD Client Sample No.: 16LCMW04DWMSD

MS Lab Sample ID: CAB37-003MS MSD Lab Sample ID: CAB37-003MSD

Level: N/A Units: ug/L

COMPOUND	SAMPLE CONC	MS SPIKE ADDED	MS CONC	MS % REC #	MSD SPIKE ADDED	MSD CONC	MSD % REC #	%RPD #	QC LIMITS	
									RPD	REC.
Nitroglycerin	0	9.52	9.3392	98	9.52	10.0386	105	7	30	60-140
PETN	0	4.76	4.232	89	4.76	4.6451	98	9	30	60-140

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
@ This RPD or percent recovery is not flagged as an exceedence because the Sample Found amount is five times or more than the Spike Added amount.

RPD: 0 out of 2 outside limits
Spike Recovery: 0 out of 4 outside limits

COMMENTS:

ORDNANCE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.
B092607HORWLG

Lab Name: Laucks Testing Labs Contract: N/A

Lab Sample ID: B092607HORWLG SDG No.: CAB37

Matrix: (SOIL/WATER) Water Date Prepared: 09/26/2007

Lab File ID (1): O92709.b-09270704.D Lab File ID (2): _____

Date Analyzed (1): 09/27/2007 Date Analyzed (2): _____

Time Analyzed (1): 12:10 Time Analyzed (2): _____

Instrument ID (1): HPLC5 (Oscar) Instrument ID (2): _____

Column(1): Varian C18 ID: 4.60 (mm) Column(2): _____ ID: _____ (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC SAMPLES:

CLIENT SAMPLE NO.	LAB SAMPLE ID	COL	LAB FILE ID	DATE/TIME ANALYZED	RUN SEQUENCE
16LCMW04SW	CAB37-002	1	O9270721.D	09/27/2007 19:32	R021967
16LCMW04DW	CAB37-003	1	O9270722.D	09/27/2007 19:58	R021967
16LCMW04DWMS	CAB37-003MS	1	O9270723.D	09/27/2007 20:24	R021967
16LCMW04DWMSD	CAB37-003MSD	1	O9270724.D	09/27/2007 20:50	R021967
16LCMW03DW	CAB37-004	1	O9270725.D	09/27/2007 21:16	R021967
16LCMW03SW	CAB37-005	1	O9270726.D	09/27/2007 21:42	R021967
S092607HORWLG2	S092607HORWLG2	1	O9270705.D	09/27/2007 12:36	R021967

COMMENTS: _____

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04SW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R021967

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-002

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: 09270721.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/19/2007

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/27/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
55-63-0	Nitroglycerin	2.4	U
78-11-5	PETN	1.1	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04DW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R021967

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-003

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: O9270722.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/19/2007

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/27/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
55-63-0	Nitroglycerin	2.4	U
78-11-5	PETN	1.1	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW03DW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R021967

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-004

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: O9270725.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/19/2007

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/27/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
55-63-0	Nitroglycerin	2.4	U
78-11-5	PETN	1.1	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW03SW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R021967

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-005

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: O9270726.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/19/2007

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/27/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
55-63-0	Nitroglycerin	2.4	U
78-11-5	PETN	1.1	U

Comments:

SUM - 157

Laucks Testing Labs
Initial Calibration Linearity Summary

Start Cal Date: 10-JUL-2006 11:17
End Cal Date : 10-JUL-2006 13:05
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\SNAP568564B\tek4\Oscar.i\O71006ng.b\071006NG.m
Sublist : all.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100601.D
Level 2: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100602.D
Level 3: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100603.D
Level 4: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100604.D
Level 5: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100605.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave CF	%RSD
1 Nitroglycerin	348.3440	362.3640	357.0210	378.5100	373.9440	364.0366	3.4
3 PETN	384.2240	428.2400	383.0820	416.1968	409.5208	404.2527	4.9
2 3,4-Dinitrotoluene	833.5840	891.7440	836.9660	887.3984	879.7140	865.8817	3.3
Average RSD :							3.9

Amount = Response divided by CF

CF - Calibration Factor (response divided by concentration).
RSD - Relative Standard Deviation.

Laucks Testing Labs
Initial Calibration Retention Time Summary

SUM - 158

Start Cal Date: 10-JUL-2006 11:17
End Cal Date : 10-JUL-2006 13:05
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\SNAP568564B\tek4\Oscar.i\071006ng.b\071006NG.m
Sublist : all.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //SNAP568564B/tek4/Oscar.i/071006ng.b/07100601.D
Level 2: //SNAP568564B/tek4/Oscar.i/071006ng.b/07100602.D
Level 3: //SNAP568564B/tek4/Oscar.i/071006ng.b/07100603.D
Level 4: //SNAP568564B/tek4/Oscar.i/071006ng.b/07100604.D
Level 5: //SNAP568564B/tek4/Oscar.i/071006ng.b/07100605.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave RT
1 Nitroglycerin	9.46	9.44	9.45	9.45	9.44	9.449
3 PETN	17.39	17.36	17.36	17.36	17.36	17.369
2 3,4-Dinitrotoluene	10.33	10.31	10.32	10.32	10.31	10.316

Retention times are expressed as minutes.

SUM - 159

Laucks Testing Labs
Initial Calibration Amounts Summary

Start Cal Date: 10-JUL-2006 11:17
End Cal Date : 10-JUL-2006 13:05
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\SNAP568564B\tek4\Oscar.i\071006ng.b\071006NG.m
Sublist : all.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //SNAP568564B/tek4/Oscar.i/071006ng.b/07100601.D
Level 2: //SNAP568564B/tek4/Oscar.i/071006ng.b/07100602.D
Level 3: //SNAP568564B/tek4/Oscar.i/071006ng.b/07100603.D
Level 4: //SNAP568564B/tek4/Oscar.i/071006ng.b/07100604.D
Level 5: //SNAP568564B/tek4/Oscar.i/071006ng.b/07100605.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
1 Nitroglycerin	250.00	500.00	1000.00	2500.00	5000.00
3 PETN	125.00	250.00	500.00	1250.00	2500.00
2 3,4-Dinitrotoluene	125.00	250.00	500.00	1250.00	2500.00

Standard concentrations are expressed as ng/mL.

SUM - 160

Laucks Testing Labs
Initial Calibration Response Summary

Start Cal Date: 10-JUL-2006 11:17
End Cal Date : 10-JUL-2006 13:05
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\SNAP568564B\tek4\Oscar.i\071006ng.b\071006NG.m
Sublist : all.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //SNAP568564B/tek4/Oscar.i/071006ng.b/07100601.D
Level 2: //SNAP568564B/tek4/Oscar.i/071006ng.b/07100602.D
Level 3: //SNAP568564B/tek4/Oscar.i/071006ng.b/07100603.D
Level 4: //SNAP568564B/tek4/Oscar.i/071006ng.b/07100604.D
Level 5: //SNAP568564B/tek4/Oscar.i/071006ng.b/07100605.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
1 Nitroglycerin	87086.000	181182.00	357021.00	946275.00	1869720.0
3 PETN	48028.000	107060.00	191541.00	520246.00	1023802.0
2 3,4-Dinitrotoluene	104198.00	222936.00	418483.00	1109248.0	2199285.0

Response is in Area units.

Laucks Testing Labs
Initial Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/O92709.b/O9270703.D		
Injection Date	: 27-SEP-2007 11:38		
Sample Info	: STD04 1000PPB METHOD 8332		
Misc. Info	: ICV		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-16-04 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: 071006NG.m	Sublist	: all
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: C18	Column Size	: 0.15m L- 4.60mm ID

Compound	RT	RT Window	Average CF	ICV CF	%D	Flag
Nitroglycerin	9.49 #	9.24 - 9.74	364.0366	364.7480	-0.2	
3,4-Dinitrotoluene	10.48 #	10.22 - 10.72	865.8817	880.6080	-1.7	
PETN	17.64 #	17.39 - 17.89	404.2527	394.1900	2.5	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - ICV CF) divided by Ave CF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/O92709.b/O9270712.D		
Injection Date	: 27-SEP-2007 15:38		
Sample Info	: STD04 1000PPB METHOD 8332		
Misc. Info	: Method 8332		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-16-04 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: 071006NG.m	Sublist	: all
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: C18	Column Size	: 0.15m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
Nitroglycerin	9.49	9.24 - 9.74	364.0366	367.6340	-1.0	
3,4-Dinitrotoluene	10.49	10.22 - 10.72	865.8817	896.1320	-3.5	
PETN	17.69	17.39 - 17.89	404.2527	402.5080	0.4	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/O92709.b/O9270720.D		
Injection Date	: 27-SEP-2007 19:06		
Sample Info	: STD04 1000PPB METHOD 8332		
Misc. Info	: Method 8332		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-16-04 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: 071006NG.m	Sublist	: all
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: C18	Column Size	: 0.15m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
Nitroglycerin	9.54	9.24 - 9.74	364.0366	364.1570	-0.0	
3,4-Dinitrotoluene	10.56	10.22 - 10.72	865.8817	884.6200	-2.2	
PETN	17.77	17.39 - 17.89	404.2527	382.1480	5.5	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/092709.b/09270727.D		
Injection Date	: 27-SEP-2007 22:08		
Sample Info	: STD04 1000PPB METHOD 8332		
Misc. Info	: Method 8332		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-16-04 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: 071006NG.m	Sublist	: all
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: C18	Column Size	: 0.15m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
Nitroglycerin	9.55	9.24 - 9.74	364.0366	370.7870	-1.9	
3,4-Dinitrotoluene	10.58	10.22 - 10.72	865.8817	887.0640	-2.4	
PETN	17.81	17.39 - 17.89	404.2527	390.5080	3.4	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B092607HORWLG

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R021967

Matrix: (SOIL/WATER) Water

Lab Sample ID: B092607HORWLG

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: O9270704.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/27/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
55-63-0	Nitroglycerin	2.5	U
78-11-5	PETN	1.2	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S092607HORWLG2

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R021967

Matrix: (SOIL/WATER) Water

Lab Sample ID: S092607HORWLG2

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: O9270705.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/27/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
55-63-0	Nitroglycerin	11.3	
78-11-5	PETN	5.29	

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04DWMS

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R021967

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-003MS

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: O9270723.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/19/2007

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/27/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
55-63-0	Nitroglycerin	9.34	
78-11-5	PETN	4.23	

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04DWMSD

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R021967

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-003MSD

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: O9270724.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/19/2007

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/27/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
55-63-0	Nitroglycerin	10.0	
78-11-5	PETN	4.65	

Comments:

Forms Summary

CAB37

Ordnance by Method 8303

2

WATER ORDNANCE SURROGATE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

SDG No.: CAB37 Run Sequence: R022359

(LAB SAMPLE ID) CLIENT SAMPLE NUMBER	S1 (D2M) #	S2 () #	S3 () #	S4 () #	TOT OUT
(CAB37-005RX) 16LCMW03SWRX	81				0
(CAB37-004RX) 16LCMW03DWRX	84				0
(CAB37-003RX) 16LCMW04DWRX	83				0
(CAB37-002RX) 16LCMW04SWRX	81				0
(S100507HSVWLS) S100507HSVWLS	70				0
(B100507HSVWLS) B100507HSVWLS	92				0
(CAB37-002) 16LCMW04SW	165 *				1
(S092507HSVWLO) S092507HSVWLO	153 *				1
(B092507HSVWLO) B092507HSVWLO	112				0
(CAB37-003MSD) 16LCMW04DWMSD	179 *				1
(CAB37-003MS) 16LCMW04DWMS	146 *				1
(CAB37-005) 16LCMW03SW	191 *				1
(CAB37-004) 16LCMW03DW	79				0
(CAB37-003) 16LCMW04DW	147 *				1

QC LIMITS

S1 (D2M) = 4,6-Dinitro-2-methylpheno 70-115

S2 () =

S3 () =

S4 () =

Column to be used to flag recovery values

* Values outside of contract required QC limits

3B
WATER ORDNANCE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R022059 SDG No.: CAB37

BS Lab Sample ID: S092507HSVWLO

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec	#	Rec Limit
Picric Acid	4.00	0	0	*	61-128
Picramic Acid	4.00	4.8867	122	*	47-110

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

Spike Recovery: 2 out of 2 outside limits

COMMENTS:

3B
WATER ORDNANCE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R022359 SDG No.: CAB37

BS Lab Sample ID: S100507HSVWLS

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
Picric Acid	4.00	2.8945	72	61-128
Picramic Acid	4.00	2.2004	55	47-110

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

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

3

WATER ORDNANCE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

MS Run Sequence: R022059 MSD Run Sequence: R022059 SDG No.: CAB37

MS Client Sample No.: 16LCMW04DWMS MSD Client Sample No.: 16LCMW04DWMSD

MS Lab Sample ID: CAB37-003MS MSD Lab Sample ID: CAB37-003MSD

Level: N/A Units: ug/L

COMPOUND	SAMPLE CONC	MS SPIKE ADDED	MS CONC	MS % REC #	MSD SPIKE ADDED	MSD CONC	MSD % REC #	%RPD #	QC LIMITS	
									RPD	REC.
Picric Acid	0	3.77	0.8678	23 *	3.81	0.391	10 *	77 *	50	55-113
Picramic Acid	0	3.77	5.0576	134 *	3.81	7.504	197 *	38	50	59-112

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
@ This RPD or percent recovery is not flagged as an exceedence because the Sample Found amount is five times or more than the Spike Added amount.

RPD: 1 out of 2 outside limits
Spike Recovery: 4 out of 4 outside limits

COMMENTS:

ORDNANCE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.
B092507HSVWLO

Lab Name: Laucks Testing Labs Contract: N/A

Lab Sample ID: B092507HSVWLO SDG No.: CAB37

Matrix: (SOIL/WATER) Water Date Prepared: 09/25/2007

Lab File ID (1): FA0107A.b-FA010716.D Lab File ID (2): OA0607.b-OA060705.D

Date Analyzed (1): 10/01/2007 Date Analyzed (2):

Time Analyzed (1): 14:23 Time Analyzed (2):

Instrument ID (1): HPLC3 (Felix) Instrument ID (2): HPLC5 (Oscar)

Column(1): Allure C18 ID: 4.60 (mm) Column(2): Synergi - EtPH ID: 4.60 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC SAMPLES:

CLIENT SAMPLE NO.	LAB SAMPLE ID	COL	LAB FILE ID	DATE/TIME ANALYZED	RUN SEQUENCE
16LCMW04SW	CAB37-002	1	FA010721.D	10/01/2007 15:23	R022059
		2	OA060707.D	10/06/2007 12:21	R022059
16LCMW04DW	CAB37-003	1	FA010723.D	10/01/2007 15:47	R022059
		2			
16LCMW03DW	CAB37-004	1	FA010724.D	10/01/2007 15:59	R022059
		2	OA060709.D	10/06/2007 13:05	R022059
16LCMW03SW	CAB37-005	1	FA010725.D	10/01/2007 16:12	R022059
		2	OA060710.D	10/06/2007 13:27	R022059
16LCMW04DWMS	CAB37-003MS	1	FA010726.D	10/01/2007 16:24	R022059
		2			
16LCMW04DWMSD	CAB37-003MSD	1	FA010727.D	10/01/2007 16:36	R022059
		2			
S092507HSVWLO	S092507HSVWLO	1	FA010717.D	10/01/2007 14:35	R022059
		2	OA060706.D	10/06/2007 11:59	R022059

COMMENTS:

ORDNANCE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.
B100507HSVWLS

Lab Name: Laucks Testing Labs Contract: N/A

Lab Sample ID: B100507HSVWLS SDG No.: CAB37

Matrix: (SOIL/WATER) Water Date Prepared: 10/05/2007

Lab File ID (1): OA1007.b-OA100704.D Lab File ID (2):

Date Analyzed (1): 10/10/2007 Date Analyzed (2):

Time Analyzed (1): 10:26 Time Analyzed (2):

Instrument ID (1): HPLC5 (Oscar) Instrument ID (2):

Column(1): Varian C18 ID: 4.60 (mm) Column(2): ID: (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC SAMPLES:

CLIENT SAMPLE NO.	LAB SAMPLE ID	COL	LAB FILE ID	DATE/TIME ANALYZED	RUN SEQUENCE
16LCMW04SWRX	CAB37-002RX	1	OA100710.D	10/10/2007 12:38	R022359
16LCMW04DWRX	CAB37-003RX	1	OA100711.D	10/10/2007 13:00	R022359
16LCMW03DWRX	CAB37-004RX	1	OA100712.D	10/10/2007 13:22	R022359
16LCMW03SWRX	CAB37-005RX	1	OA100713.D	10/10/2007 13:44	R022359
S100507HSVWLS	S100507HSVWLS	1	OA100705.D	10/10/2007 10:48	R022359

COMMENTS:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04SW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R022059

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-002

Sample wt/vol: 1060.0 (g/mL) mL

Lab File ID: OA060707.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/19/2007

Extraction: (Type) SEPF

Date Extracted: 09/25/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/01/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-89-1	Picric Acid	1.0	U
96-91-3	Picramic Acid	1.0	U

Comments:

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04SWRX

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R022359

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-002RX

Sample wt/vol: 1060.0 (g/mL) mL

Lab File ID: OA100710.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/19/2007

Extraction: (Type) SEPF

Date Extracted: 10/05/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/10/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 8.5-9

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-89-1	Picric Acid	1.0	U
96-91-3	Picramic Acid	1.0	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04DW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R022059

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-003

Sample wt/vol: 1060.0 (g/mL) mL

Lab File ID: FA010723.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/19/2007

Extraction: (Type) SEPF

Date Extracted: 09/25/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/01/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-89-1	Picric Acid	1.0	U
96-91-3	Picramic Acid	1.0	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04DWRX

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R022359

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-003RX

Sample wt/vol: 1060.0 (g/mL) mL

Lab File ID: OA100711.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/19/2007

Extraction: (Type) SEPF

Date Extracted: 10/05/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/10/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 8.5-9

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-89-1	Picric Acid	1.0	U
96-91-3	Picramic Acid	1.0	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW03DW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R022059

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-004

Sample wt/vol: 1060.0 (g/mL) mL

Lab File ID: OA060709.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/19/2007

Extraction: (Type) SEPF

Date Extracted: 09/25/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/01/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-89-1	Picric Acid	1.0	U
96-91-3	Picramic Acid	1.0	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW03DWRX

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R022359

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-004RX

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: OA100712.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/19/2007

Extraction: (Type) SEPF

Date Extracted: 10/05/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/10/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 8.5-9

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-89-1	Picric Acid	1.0	U
96-91-3	Picramic Acid	1.0	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW03SW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R022059

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-005

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: OA060710.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/19/2007

Extraction: (Type) SEPF

Date Extracted: 09/25/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/01/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-89-1	Picric Acid	1.0	U
96-91-3	Picramic Acid	1.0	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW03SWRX

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R022359

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-005RX

Sample wt/vol: 1020.0 (g/mL) mL

Lab File ID: OA100713.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/19/2007

Extraction: (Type) SEPF

Date Extracted: 10/05/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/10/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 8.5-9

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-89-1	Picric Acid	1.1	U
96-91-3	Picramic Acid	1.1	U

Comments:

SUM - 184

Laucks Testing Labs
Initial Calibration Linearity Summary

Start Cal Date: 01-OCT-2007 12:23
End Cal Date : 01-OCT-2007 13:11
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\felix\Felix.i\FA0107.b\FA0107PICCN.m
Sublist : all.sub
Column : CN
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010706.D
Level 2: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010707.D
Level 3: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010708.D
Level 4: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010709.D
Level 5: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010710.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave CF	%RSD
1 Picramic Acid	297.8460	297.9180	280.0012	292.0760	280.9708	289.7626	3.0
2 Picric Acid	93.19600	93.87100	97.22240	102.0555	101.7414	97.61726	4.3
3 4,6-Dinitro-o-Cresol	293.4760	304.3070	288.0140	301.4982	292.0792	295.8751	2.3
Average RSD :							3.2

Amount = Response divided by CF

CF - Calibration Factor (response divided by concentration).
RSD - Relative Standard Deviation.

SUM - 185

Laucks Testing Labs
Initial Calibration Retention Time Summary

Start Cal Date: 01-OCT-2007 12:23
End Cal Date : 01-OCT-2007 13:11
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\felix\Felix.i\FA0107.b\FA0107PICCN.m
Sublist : all.sub
Column : CN
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010706.D
Level 2: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010707.D
Level 3: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010708.D
Level 4: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010709.D
Level 5: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010710.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave RT
1 Picramic Acid	3.01	3.00	2.99	2.99	2.99	2.999
2 Picric Acid	2.25	2.24	2.22	2.22	2.22	2.230
3 4,6-Dinitro-o-Cresol	5.29	5.19	5.06	4.99	4.96	5.097

Retention times are expressed as minutes.

Laucks Testing Labs
Initial Calibration Amounts Summary

Start Cal Date: 01-OCT-2007 12:23
End Cal Date : 01-OCT-2007 13:11
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\felix\Felix.i\FA0107.b\FA0107PICCN.m
Sublist : all.sub
Column : CN
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010706.D
Level 2: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010707.D
Level 3: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010708.D
Level 4: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010709.D
Level 5: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010710.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
1 Picramic Acid	500.00	1000.00	2500.00	4000.00	5000.00
2 Picric Acid	500.00	1000.00	2500.00	4000.00	5000.00
3 4,6-Dinitro-o-Cresol	500.00	1000.00	2500.00	4000.00	5000.00

Standard concentrations are expressed as ng/mL.

Laucks Testing Labs
Initial Calibration Response Summary

SUM - 187

Start Cal Date: 01-OCT-2007 12:23
End Cal Date : 01-OCT-2007 13:11
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\felix\Felix.i\FA0107.b\FA0107PICCN.m
Sublist : all.sub
Column : CN
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010706.D
Level 2: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010707.D
Level 3: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010708.D
Level 4: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010709.D
Level 5: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010710.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
1 Picramic Acid	148923.00	297918.00	700003.00	1168304.0	1404854.0
2 Picric Acid	46598.000	93871.000	243056.00	408222.00	508707.00
3 4,6-Dinitro-o-Cresol	146738.00	304307.00	720035.00	1205993.0	1460396.0

Response is in Area units.

SUM - 188

Laucks Testing Labs
Initial Calibration Linearity Summary

Start Cal Date: 21-FEB-2007 14:01
End Cal Date : 21-FEB-2007 15:29
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\O22107.b\O22107PIC-PICc18.m
Sublist : all.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210703.D
Level 2: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210704.D
Level 3: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210705.D
Level 4: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210706.D
Level 5: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210707.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave CF	%RSD
1 Picric Acid	528.9580	531.7890	536.5584	543.2215	538.2520	535.7558	1.0
2 Picramic Acid	445.5700	446.5070	441.5712	452.0638	442.9476	445.7320	0.9
3 4,6-Dinitro-o-Cresol	788.6420	795.8200	790.6376	811.7342	795.7866	796.5241	1.1
Average RSD :							1.0

Amount = Response divided by CF

CF - Calibration Factor (response divided by concentration).
RSD - Relative Standard Deviation.

SUM - 189

Laucks Testing Labs
Initial Calibration Retention Time Summary

Start Cal Date: 21-FEB-2007 14:01
End Cal Date : 21-FEB-2007 15:29
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\O22107.b\O22107PIC-PICc18.m
Sublist : all.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210703.D
Level 2: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210704.D
Level 3: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210705.D
Level 4: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210706.D
Level 5: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210707.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave RT
1 Picric Acid	2.35	2.34	2.32	2.30	2.31	2.324
2 Picramic Acid	6.27	6.27	6.27	6.29	6.29	6.279
3 4,6-Dinitro-o-Cresol	13.61	13.60	13.65	13.68	13.69	13.646

Retention times are expressed as minutes.

SUM - 190

Laucks Testing Labs
Initial Calibration Amounts Summary

Start Cal Date: 21-FEB-2007 14:01
End Cal Date : 21-FEB-2007 15:29
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\O22107.b\O22107PIC-PICc18.m
Sublist : all.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210703.D
Level 2: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210704.D
Level 3: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210705.D
Level 4: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210706.D
Level 5: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210707.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
1 Picric Acid	500.00	1000.00	2500.00	4000.00	5000.00
2 Picramic Acid	500.00	1000.00	2500.00	4000.00	5000.00
3 4,6-Dinitro-o-Cresol	500.00	1000.00	2500.00	4000.00	5000.00

Standard concentrations are expressed as ng/mL.

SUM - 191

Laucks Testing Labs
Initial Calibration Response Summary

Start Cal Date: 21-FEB-2007 14:01
End Cal Date : 21-FEB-2007 15:29
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\O22107.b\O22107PIC-PICc18.m
Sublist : all.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210703.D
Level 2: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210704.D
Level 3: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210705.D
Level 4: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210706.D
Level 5: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210707.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
1 Picric Acid	264479.00	531789.00	1341396.0	2172886.0	2691260.0
2 Picramic Acid	222785.00	446507.00	1103928.0	1808255.0	2214738.0
3 4,6-Dinitro-o-Cresol	394321.00	795820.00	1976594.0	3246937.0	3978933.0

Response is in Area units.

Laucks Testing Labs
Initial Calibration Verification Summary

Data File	: //ceres/labdata/hplc/felix/Felix.i/FA0107A.b/FA010715.D		
Injection Date	: 01-OCT-2007 14:11		
Sample Info	: STD03 2500PPB LTL 8303		
Misc. Info	: ICV		
Laboratory ID	: STD03 2500PPB	Client ID	: HPLC1-17-8 4X
Instrument ID	: Felix.i	Operator	: MY
Method	: FA0107PICCN.m	Sublist	: all
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: CN	Column Size	: 0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	ICV CF	%D	Flag
Picric Acid	2.21 #	1.31 - 3.11	97.61726	100.0832	-2.5	
Picramic Acid	3.00 #	2.75 - 3.25	289.7626	287.9552	0.6	
4,6-Dinitro-o-Cresol	5.13 #	4.17 - 6.09	295.8751	297.5648	-0.6	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - ICV CF) divided by Ave CF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/felix/Felix.i/FA0107A.b/FA010718.D		
Injection Date	: 01-OCT-2007 14:47		
Sample Info	: STD03 2500PPB		
Misc. Info	: SOP#:LTL-8303		
Laboratory ID	: STD03 2500PPB	Client ID	: HPLC1-17-8
Instrument ID	: Felix.i	Operator	: MY
Method	: FA0107PICCN.m	Sublist	: all
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: CN	Column Size	: 0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
Picric Acid	2.23	1.33 - 3.13	97.61726	107.4256	-10.0	
Picramic Acid	3.00	2.75 - 3.25	289.7626	281.5476	2.8	
4,6-Dinitro-o-Cresol	5.15	4.19 - 6.11	295.8751	293.1496	0.9	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/felix/Felix.i/FA0107A.b/FA010728.D		
Injection Date	: 01-OCT-2007 16:48		
Sample Info	: STD03 2500PPB LTL 8303		
Misc. Info	: SOP#:LTL-8303		
Laboratory ID	: STD03 2500PPB	Client ID	: HPLC1-17-8
Instrument ID	: Felix.i	Operator	: MY
Method	: FA0107PICCN.m	Sublist	: all
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: CN	Column Size	: 0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
Picric Acid	2.27	1.37 - 3.17	97.61726	111.1580	-13.9	
Picramic Acid	3.00	2.75 - 3.25	289.7626	281.3964	2.9	
4,6-Dinitro-o-Cresol	5.07	4.11 - 6.03	295.8751	290.9232	1.7	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Initial Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/OA0607.b/OA060704.D		
Injection Date	: 06-OCT-2007 11:13		
Sample Info	: STD04 1000PPB METHOD 8303		
Misc. Info	: ICV		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-08 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: O22107PIC-PICc18.m	Sublist	: all
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: C18	Column Size	: 0.15m L- 4.60mm ID

Compound	RT	RT Window	Average CF	ICV CF	%D	Flag
Picric Acid	1.84 #	1.59 - 2.09	535.7558	528.7196	1.3	
Picramic Acid	5.81 #	5.56 - 6.06	445.7320	437.5512	1.8	
4,6-Dinitro-o-Cresol	12.10 #	11.64 - 12.56	796.5241	761.8536	4.4	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - ICV CF) divided by Ave CF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/OA0607.b/OA060712.D		
Injection Date	: 06-OCT-2007 14:11		
Sample Info	: STD04 1000PPB METHOD 8303		
Misc. Info	: PICRIC/PICRAMIC		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-08 20X
Instrument ID	: Oscar.i	Operator	: my
Method	: O22107PIC-PICc18.m	Sublist	: all
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: C18	Column Size	: 0.15m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
Picric Acid	1.85	1.59 - 2.09	535.7558	520.4868	2.8	
Picramic Acid	5.81	5.56 - 6.06	445.7320	435.6048	2.3	
4,6-Dinitro-o-Cresol	12.13	11.64 - 12.56	796.5241	771.1284	3.2	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Initial Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/OA1007.b/OA100703.D		
Injection Date	: 10-OCT-2007 10:03		
Sample Info	: STD03 1000PPB LTL8303		
Misc. Info	: ICV		
Laboratory ID	: STD03 1000PPB	Client ID	: HPLC1-17-08 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: O22107PIC-PICc18.m	Sublist	: all
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: C18	Column Size	: 0.15m L- 4.60mm ID

Compound	RT	RT Window	Average CF	ICV CF	%D	Flag
Picric Acid	1.85 #	1.60 - 2.10	535.7558	514.3316	4.0	
Picramic Acid	5.83 #	5.58 - 6.08	445.7320	459.7732	-3.2	
4,6-Dinitro-o-Cresol	12.15 #	11.69 - 12.61	796.5241	778.1068	2.3	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - ICV CF) divided by Ave CF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/OA1007.b/OA100714.D		
Injection Date	: 10-OCT-2007 14:06		
Sample Info	: STD03 1000PPB LTL8303		
Misc. Info	: PICRIC/PICRAMIC		
Laboratory ID	: STD03 1000PPB	Client ID	: HPLC1-17-08 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: O22107PIC-PICc18.m	Sublist	: all
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: C18	Column Size	: 0.15m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
Picric Acid	1.85	1.60 - 2.10	535.7558	524.1788	2.2	
Picramic Acid	5.82	5.58 - 6.08	445.7320	456.3420	-2.4	
4,6-Dinitro-o-Cresol	12.13	11.69 - 12.61	796.5241	788.0688	1.1	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B092507HSVWLO

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R022059

Matrix: (SOIL/WATER) Water

Lab Sample ID: B092507HSVWLO

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: FA010716.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SEPF

Date Extracted: 09/25/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/01/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-89-1	Picric Acid	1.1	U
96-91-3	Picramic Acid	1.1	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B100507HSVWLS

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R022359

Matrix: (SOIL/WATER) Water

Lab Sample ID: B100507HSVWLS

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: OA100704.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SEPF

Date Extracted: 10/05/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/10/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 8.5-9

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-89-1	Picric Acid	1.1	U
96-91-3	Picramic Acid	1.1	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S092507HSVWLO

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R022059

Matrix: (SOIL/WATER) Water

Lab Sample ID: S092507HSVWLO

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: OA060706.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SEPF

Date Extracted: 09/25/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/01/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-89-1	Picric Acid	1.1	U
96-91-3	Picramic Acid	4.9	P

Comments:

CONFIRMATION SUMMRY WORKSHEET FOR SINGLE COMPONENT ANALYTES

Client Sample ID

S092507HSVWLO

Lab Name: Laucks Testing Labs, Inc.

Lab Sample ID: S092507HSVWLO

Instrument ID: HPLC3 (Felix)

Run Sequence ID: R022059

Column (1): Allure C18

Column (2): Synergi - EtPH

File (1): FA0107A.b-FA010717.D

File (2): OA0607.b-OA060706.D

Date Analyzed (1): 10/1/2007 2:35:00 PM

Date Analyzed (2): 10/6/2007 11:59:00 AM

ANALYTE	COL	CONCENTRATION Final Units: ug/L	RPD	RT	RT Window
Picramic Acid	1	4.88666 X	96.1 %	3.07	2.75 - 3.25
	2	1.71529		5.61	5.56 - 6.06

X = Concentration Reported

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S100507HSVWLS

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R022359

Matrix: (SOIL/WATER) Water

Lab Sample ID: S100507HSVWLS

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: OA100705.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SEPF

Date Extracted: 10/05/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/10/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 8.5-9

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-89-1	Picric Acid	2.9	
96-91-3	Picramic Acid	2.2	

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04DWMS

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R022059

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-003MS

Sample wt/vol: 1060.0 (g/mL) mL

Lab File ID: FA010726.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/19/2007

Extraction: (Type) SEPF

Date Extracted: 09/25/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/01/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-89-1	Picric Acid	1.0	U
96-91-3	Picramic Acid	5.1	

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04DWMSD

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R022059

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-003MSD

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: FA010727.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/19/2007

Extraction: (Type) SEPF

Date Extracted: 09/25/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/01/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-89-1	Picric Acid	1.0	U
96-91-3	Picramic Acid	7.5	

Comments:

FORMS SUMMARY

SDG # CAB37

NWTPH-Gx

2

WATER GASOLINE SURROGATE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

SDG No.: CAB37 Run Sequence: R021922

(LAB SAMPLE ID) CLIENT SAMPLE NUMBER	S1 (BFB) #	S2 (TFT) #	S3 () #	S4 () #	TOT OUT
(CAB37-005) 16LCMW03SW	80	85			0
(CAB37-004) 16LCMW03DW	77	82			0
(CAB37-002) 16LCMW04SW	78	83			0
(CAB37-003MSD) 16LCMW04DWMSD	80	83			0
(CAB37-003MS) 16LCMW04DWMS	81	86			0
(CAB37-003) 16LCMW04DW	117	126			0
(S092507GVOWI1) S092507GVOWI1	83	87			0
(B092507GVOWI1) B092507GVOWI1	82	88			0

		QC LIMITS
S1 (BFB) =	4-Bromofluorobenzene	50-150
S2 (TFT) =	Trifluorotoluene	50-150
S3 () =		
S4 () =		

Column to be used to flag recovery values
* Values outside of contract required QC limits

3B
WATER GASOLINE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R021922 SDG No.: CAB37

BS Lab Sample ID: S092507GVOWI1

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
Gasoline Range Organics	100	80.1725	80	71-122

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

Spike Recovery: 0 out of 1 outside limits

COMMENTS:

3

WATER GASOLINE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

MS Run Sequence: R021922 MSD Run Sequence: R021922 SDG No.: CAB37

MS Client Sample No.: 16LCMW04DWMS MSD Client Sample No.: 16LCMW04DWMSD

MS Lab Sample ID: CAB37-003MS MSD Lab Sample ID: CAB37-003MSD

Level: N/A Units: ug/L

COMPOUND	SAMPLE CONC	MS SPIKE ADDED	MS CONC	MS % REC #	MSD SPIKE ADDED	MSD CONC	MSD % REC #	%RPD #	QC LIMITS	
									RPD	REC.
Gasoline Range Organics	0	100	77.7401	78	100	77.7127	78	0	20	67-125

AKB
11/9/07

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
@ This RPD or percent recovery is not flagged as an exceedence because the Sample Found amount is five times or more than the Spike Added amount.

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

COMMENTS:

GASOLINE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.
B092507GVOWI1

Lab Name: Laucks Testing Labs Contract: N/A

Lab Sample ID: B092507GVOWI1 SDG No.: CAB37

Matrix: (SOIL/WATER) Water Date Prepared: 09/25/2007

Lab File ID (1): I9257-2N.b-I925704.d Lab File ID (2):

Date Analyzed (1): 09/25/2007 Date Analyzed (2):

Time Analyzed (1): 12:08 Time Analyzed (2):

Instrument ID (1): HP 5890I Instrument ID (2):

Column(1): DB-VRX 30m/0.45u ID: 0.45 (mm) Column(2): ID: (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC SAMPLES:

CLIENT SAMPLE NO.	LAB SAMPLE ID	COL	LAB FILE ID	DATE/TIME ANALYZED	RUN SEQUENCE
16LCMW04SW	CAB37-002	1	I925725.d	09/26/2007 01:35	R021922
16LCMW04DW	CAB37-003	1	I925721.d	09/25/2007 23:01	R021922
16LCMW03DW	CAB37-004	1	I925726.d	09/26/2007 02:14	R021922
16LCMW03SW	CAB37-005	1	I925727.d	09/26/2007 02:52	R021922
S092507GVOWI1	S092507GVOWI1	1	I925705.d	09/25/2007 12:47	R021922
16LCMW04DWMS	CAB37-003MS	1	I925722.d	09/25/2007 23:40	R021922
16LCMW04DWMSD	CAB37-003MSD	1	I925723.d	09/26/2007 00:18	R021922

COMMENTS:

1

GASOLINE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04SW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R021922

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-002

Sample wt/vol: 10 (g/mL) mL

Lab File ID: I925725.d

pH: <2 Decanted: (Y/N) N

Date Collected: 09/19/2007

Percent Moisture:

Date Prepared: 09/25/2007

Extraction: (Type) PURGETRAP

Date Analyzed: 09/26/2007

Soil Extract Volume: (ul)

Dilution Factor: 1.00

Soil Aliquot Volume: (ul)

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
TPH-Gasoline	Gasoline Range Organics	25	U

Comments:

1

GASOLINE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04DW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R021922

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-003

Sample wt/vol: 10 (g/mL) mL

Lab File ID: I925721.d

pH: <2 Decanted: (Y/N) N

Date Collected: 09/19/2007

Percent Moisture:

Date Prepared: 09/25/2007

Extraction: (Type) PURGETRAP

Date Analyzed: 09/25/2007

Soil Extract Volume: (ul)

Dilution Factor: 1.00

Soil Aliquot Volume: (ul)

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
TPH-Gasoline	Gasoline Range Organics	25	U

Comments:

1

GASOLINE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW03DW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R021922

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-004

Sample wt/vol: 10 (g/mL) mL

Lab File ID: I925726.d

pH: <2 Decanted: (Y/N) N

Date Collected: 09/19/2007

Percent Moisture:

Date Prepared: 09/25/2007

Extraction: (Type) PURGETRAP

Date Analyzed: 09/26/2007

Soil Extract Volume: (ul)

Dilution Factor: 1.00

Soil Aliquot Volume: (ul)

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
TPH-Gasoline	Gasoline Range Organics	25	U

Comments:

1

GASOLINE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW03SW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R021922

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-005

Sample wt/vol: 10 (g/mL) mL

Lab File ID: I925727.d

pH: <2 Decanted: (Y/N) N

Date Collected: 09/19/2007

Percent Moisture:

Date Prepared: 09/25/2007

Extraction: (Type) PURGETRAP

Date Analyzed: 09/26/2007

Soil Extract Volume: (ul)

Dilution Factor: 1.00

Soil Aliquot Volume: (ul)

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
TPH-Gasoline	Gasoline Range Organics	25	U

Comments:

SUM - 215

Laucks Testing Labs
Initial Calibration Linearity Summary

Start Cal Date: 31-JUL-2007 10:05
End Cal Date : 31-JUL-2007 13:17
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : Falcon
Method File : \\Diana\Target\5890i.i\I7317N2.b\GN73101.m
Sublist : all-j.sub
Column : DB-VRX
Column Size : 30m L - 0.53mm ID

Calibration Files:
Level 1: //Diana/Target/5890i.i/I7317N2.b/I731703.d
Level 2: //Diana/Target/5890i.i/I7317N2.b/I731704.d
Level 3: //Diana/Target/5890i.i/I7317N2.b/I731705.d
Level 4: //Diana/Target/5890i.i/I7317N2.b/I731706.d
Level 5: //Diana/Target/5890i.i/I7317N2.b/I731707.d
Level 6: //Diana/Target/5890i.i/I7317N2.b/I731708.d

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Ave CF	%RSD
3 Gasoline	+++++++	419.5240	377.8620	358.0300	350.1500	347.2772	370.5686	8.1
1 Trifluorotoluene	+++++++	533.4600	509.0500	507.0600	496.0733	498.7425	508.8772	2.9
2 Bromofluorobenzene	+++++++	406.9000	377.4300	375.5300	377.7733	388.8450	385.2957	3.4
Average RSD :								4.8

Amount = Response divided by CF

+++ - Standard Level not used in linearity determination.

CF - Calibration Factor (response divided by concentration).
RSD - Relative Standard Deviation.

SUM - 216

Laucks Testing Labs
Initial Calibration Amounts Summary

Start Cal Date: 31-JUL-2007 10:05
End Cal Date : 31-JUL-2007 13:17
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : Falcon
Method File : \\Diana\Target\5890i.i\I7317N2.b\GN73101.m
Sublist : all-j.sub
Column : DB-VRX
Column Size : 30m L - 0.53mm ID

Calibration Files:
Level 1: //Diana/Target/5890i.i/I7317N2.b/I731703.d
Level 2: //Diana/Target/5890i.i/I7317N2.b/I731704.d
Level 3: //Diana/Target/5890i.i/I7317N2.b/I731705.d
Level 4: //Diana/Target/5890i.i/I7317N2.b/I731706.d
Level 5: //Diana/Target/5890i.i/I7317N2.b/I731707.d
Level 6: //Diana/Target/5890i.i/I7317N2.b/I731708.d

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
3 Gasoline	+++++++	250.00	500.00	1000.00	2500.00	5000.00
1 Trifluorotoluene	+++++++	50.00	100.00	200.00	300.00	400.00
2 Bromofluorobenzene	+++++++	50.00	100.00	200.00	300.00	400.00

+++ - Standard Level not used in linearity determination.
Standard concentrations are expressed as ng.

Laboratory Name
Continuing Calibration Verification Summary

Data File : //diana/target/5890i.i/I7317N2.b/I731712.d
Injection Date : 31-JUL-2007 15:51
Sample Info : ICV-1 500ng 2nd Source
Misc. Info : NWTPHGx
Laboratory ID : ICV-1 500ng
Client ID : 5ul VOA5-42-15
Instrument ID : 5890I.i
Method : GN73101.m
Sublist : all-j
Quantitation : ESTD
Integrator : Falcon
Dilution Factor : 1.00
Sample Type: CCALIB_3
Column : DB-VRX
Column Size: 30.00m L- 0.53mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
Trifluorotoluene	6.58	6.53 - 6.63	508.8772	499.6750	-1.8	
Bromofluorobenzene	12.07	12.02 - 12.12	385.2957	361.8850	-6.1	
Gasoline		8.07 - 18.54	370.5686	387.8120	4.7	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laboratory Name
Continuing Calibration Verification Summary

Data File : //diana/target/5890i.i/I7317N2.b/I731713.d
Injection Date : 31-JUL-2007 16:30
Sample Info : ICV-2 2500ng 2nd Source
Misc. Info : NWTPHGx
Laboratory ID : ICV-2 2500ng
Client ID : 25ul VOA5-42-15
Instrument ID : 5890I.i
Method : GN73101.m
Sublist : all-j
Quantitation : ESTD
Integrator : Falcon
Dilution Factor : 1.00
Sample Type: CCALIB_3
Column : DB-VRX
Column Size: 30.00m L- 0.53mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
Trifluorotoluene	6.58	6.53 - 6.63	508.8772	504.7800	-0.8	
Bromofluorobenzene	12.06	12.02 - 12.12	385.2957	393.4100	2.1	
Gasoline		8.07 - 18.54	370.5686	346.6040	-6.5	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laboratory Name
Initial Calibration Verification Summary

Data File	: //diana/target/5890i.i/I9257-2N.b/I925702.d		
Injection Date	: 25-SEP-2007 10:51		
Sample Info	: CCV_A_GAS		
Misc. Info	: ICV_NWTPHGx		
Laboratory ID	: CCV_A_GAS	Client ID	: 10ul VOA5-43-11
Instrument ID	: 5890I.i		
Method	: GN73106.m	Sublist	: all-j
Quantitation	: ESTD	Integrator	: Falcon
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: DB-VRX	Column Size	: 30.00m L- 0.53mm ID

Compound	RT	RT Window	Average CF	ICV CF	%D	Flag
Trifluorotoluene	6.65 #	6.60 - 6.70	508.8772	427.7350	-15.9	
Bromofluorobenzene	12.10 #	12.05 - 12.15	385.2957	311.3650	-19.2	
Gasoline		8.12 - 18.57	370.5686	342.6390	-7.5	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - ICV CF) divided by Ave CF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laboratory Name
Continuing Calibration Verification Summary

Data File : //diana/target/5890i.i/I9257-2N.b/I925713.d
Injection Date : 25-SEP-2007 17:54
Sample Info : CCV_B_GAS
Misc. Info : NWTPHGx
Laboratory ID : CCV_B_GAS
Client ID : 10ul VOA5-43-11
Instrument ID : 5890I.i
Method : GN73106.m
Sublist : all-j
Quantitation : ESTD
Integrator : Falcon
Dilution Factor : 1.00
Sample Type: CCALIB_3
Column : DB-VRX
Column Size: 30.00m L- 0.53mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
Trifluorotoluene	6.66	6.60 - 6.70	508.8772	429.8150	-15.5	
Bromofluorobenzene	12.11	12.05 - 12.15	385.2957	317.9100	-17.5	
Gasoline		8.12 - 18.57	370.5686	338.9730	-8.5	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laboratory Name
Continuing Calibration Verification Summary

Data File	: //diana/target/5890i.i/I9257-2N.b/I925724.d		
Injection Date	: 26-SEP-2007 00:57		
Sample Info	: CCV_C_GAS		
Misc. Info	: NWTPHGx		
Laboratory ID	: CCV_C_GAS	Client ID	: 10ul VOA5-43-11
Instrument ID	: 5890I.i		
Method	: GN73106.m	Sublist	: all-j
Quantitation	: ESTD	Integrator	: Falcon
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: DB-VRX	Column Size	: 30.00m L- 0.53mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
Trifluorotoluene	6.66	6.60 - 6.70	508.8772	423.7650	-16.7	
Bromofluorobenzene	12.11	12.05 - 12.15	385.2957	312.6150	-18.9	
Gasoline		8.12 - 18.57	370.5686	342.6330	-7.5	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laboratory Name
Continuing Calibration Verification Summary

Data File : //diana/target/5890i.i/I9257-2N.b/I925728.d
Injection Date : 26-SEP-2007 03:31
Sample Info : CCV_D_GAS
Misc. Info : NWTPHGx
Laboratory ID : CCV_D_GAS
Client ID : 10ul VOA5-43-11
Instrument ID : 5890I.i
Method : GN73106.m
Sublist : all-j
Quantitation : ESTD
Integrator : Falcon
Dilution Factor : 1.00
Sample Type: CCALIB_3
Column : DB-VRX
Column Size: 30.00m L- 0.53mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
Trifluorotoluene	6.66	6.60 - 6.70	508.8772	426.3150	-16.2	
Bromofluorobenzene	12.10	12.05 - 12.15	385.2957	312.1900	-19.0	
Gasoline		8.12 - 18.57	370.5686	343.5070	-7.3	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

1

GASOLINE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B092507GVOWI1

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R021922

Matrix: (SOIL/WATER) Water

Lab Sample ID: B092507GVOWI1

Sample wt/vol: 10 (g/mL) mL

Lab File ID: I925704.d

pH: _____ Decanted: (Y/N) N

Date Collected: _____

Percent Moisture: _____

Date Prepared: 09/25/2007

Extraction: (Type) PURGETRAP

Date Analyzed: 09/25/2007

Soil Extract Volume: _____(ul)

Dilution Factor: 1.00

Soil Aliquot Volume: _____(ul)

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
TPH-Gasoline	Gasoline Range Organics	25	U

Comments:

1

GASOLINE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S092507GVOWI1

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R021922

Matrix: (SOIL/WATER) Water

Lab Sample ID: S092507GVOWI1

Sample wt/vol: 10 (g/mL) mL

Lab File ID: I925705.d

pH: _____ Decanted: (Y/N) N

Date Collected: _____

Percent Moisture: _____

Date Prepared: 09/25/2007

Extraction: (Type) PURGETRAP

Date Analyzed: 09/25/2007

Soil Extract Volume: _____(ul)

Dilution Factor: 1.00

Soil Aliquot Volume: _____(ul)

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
TPH-Gasoline	Gasoline Range Organics	80	

Comments:

1

GASOLINE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04DWMS

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R021922

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-003MS

Sample wt/vol: 10 (g/mL) mL

Lab File ID: I925722.d

pH: <2 Decanted: (Y/N) N

Date Collected: 09/19/2007

Percent Moisture:

Date Prepared: 09/25/2007

Extraction: (Type) PURGETRAP

Date Analyzed: 09/25/2007

Soil Extract Volume: (ul)

Dilution Factor: 1.00

Soil Aliquot Volume: (ul)

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
TPH-Gasoline	Gasoline Range Organics	78	

Comments:

1

GASOLINE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04DWMSD

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R021922

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-003MSD

Sample wt/vol: 10 (g/mL) mL

Lab File ID: I925723.d

pH: <2 Decanted: (Y/N) N

Date Collected: 09/19/2007

Percent Moisture:

Date Prepared: 09/25/2007

Extraction: (Type) PURGETRAP

Date Analyzed: 09/26/2007

Soil Extract Volume: (ul)

Dilution Factor: 1.00

Soil Aliquot Volume: (ul)

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
TPH-Gasoline	Gasoline Range Organics	78	

Comments:

NWTPHD
FORMS PACKAGE

SDG : CAB37

2

WATER DIESEL SURROGATE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

SDG No.: CAB37 Run Sequence: R022927

(LAB SAMPLE ID) CLIENT SAMPLE NUMBER	S1 (2FB) #	S2 (TER) #	S3 () #	S4 () #	TOT OUT
(CAB37-005) 16LCMW03SW	81	97			0
(CAB37-004) 16LCMW03DW	78	93			0
(CAB37-003MS) 16LCMW04DWMS	89	97			0
(CAB37-003DUP) 16LCMW04DWD	88	103			0
(CAB37-003) 16LCMW04DW	78	95			0
(CAB37-002) 16LCMW04SW	84	102			0
(S092507GSVWLP) S092507GSVWLP	85	94			0
(B092507GSVWLP) B092507GSVWLP	80	97			0

		QC LIMITS
S1 (2FB) =	2-Fluorobiphenyl	50-150
S2 (TER) =	o-Terphenyl	50-150
S3 () =		
S4 () =		

Column to be used to flag recovery values
* Values outside of contract required QC limits

3B
WATER DIESEL BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R022927 SDG No.: CAB37

BS Lab Sample ID: S092507GSVWLP

Level: N/A Units: mg/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
Diesel Range Organics	1.25	1.2529	100	51-147

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

Spike Recovery: 0 out of 1 outside limits

COMMENTS:

Laucks Testing Laboratories

Duplicate Report

Test:	NWTPH Diesel	SDG ID:	CAB37
		Preparation Date:	9/25/2007
Lab Sample ID:	CAB37-003DUP	Run Sequence ID:	R022927
Client Sample ID:	16LCMW04DW	Analysis Date:	10/28/2007 14:40
		Units:	mg/L
		Matrix	Water

Analyte	Parent Found	Duplicate Found	RPD	Limit
Diesel Range Organics	0	0		50
Oil Range Organics	0	0		50

Associated Samples	
Lab Sample ID	Client Sample ID
CAB37-002	16LCMW04SW
CAB37-003	16LCMW04DW
CAB37-004	16LCMW03DW
CAB37-005	16LCMW03SW

= RPD Value is not flagged as an outlier because either the parent found amount or duplicate found amount or both are less than five times the reporting limit

* = Value exceeded established control limits

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

Laucks Testing Laboratories

Matrix Spike Report

Test:	NWTPH Diesel	SDG ID:	CAB37
		Preparation Date:	09/25/2007
Lab Sample ID:	CAB37-003MS	Run Sequence ID:	R022927
Client Sample ID:	16LCMW04DWMS	Analysis Date:	10/28/2007 3:27:00PM
		Units:	mg/L
		Matrix:	Water

Analyte	Sample Found	Spike Added	MS Found	Recovery	Limit
Diesel Range Organics	0	1.02	1.1225	110%	50-150

Associated Samples	
Lab Sample ID	Client Sample ID
CAB37-002	16LCMW04SW
CAB37-003	16LCMW04DW
CAB37-004	16LCMW03DW
CAB37-005	16LCMW03SW

= This Recovery is not flagged an an exceedence because the Sample Found amount is five times or more than the Spike added amount

* = RPD or percent recovery is outside the established control limits

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

DIESEL METHOD BLANK SUMMARY

CLIENT SAMPLE NO.
B092507GSVWLP

Lab Name: Laucks Testing Labs Contract: N/A

Lab Sample ID: B092507GSVWLP SDG No.: CAB37

Matrix: (SOIL/WATER) Water Date Prepared: 09/25/2007

Lab File ID (1): CA277WA.b-CA270728.d Lab File ID (2): _____

Date Analyzed (1): 10/28/2007 Date Analyzed (2): _____

Time Analyzed (1): 08:10 Time Analyzed (2): _____

Instrument ID (1): HP 5890C Instrument ID (2): _____

Column(1): RTX-5 ID: 0.25 (mm) Column(2): _____ ID: _____(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC SAMPLES:

CLIENT SAMPLE NO.	LAB SAMPLE ID	COL	LAB FILE ID	DATE/TIME ANALYZED	RUN SEQUENCE
16LCMW04SW	CAB37-002	1	CA270730.d	10/28/2007 09:45	R022927
16LCMW04DW	CAB37-003	1	CA270735.d	10/28/2007 13:51	R022927
16LCMW03DW	CAB37-004	1	CA270738.d	10/28/2007 16:15	R022927
16LCMW03SW	CAB37-005	1	CA270739.d	10/28/2007 17:03	R022927
16LCMW04DWD	CAB37-003DUP	1	CA270736.d	10/28/2007 14:40	R022927
16LCMW04DWMS	CAB37-003MS	1	CA270737.d	10/28/2007 15:27	R022927
S092507GSVWLP	S092507GSVWLP	1	CA270729.d	10/28/2007 08:57	R022927

COMMENTS: _____

1

DIESEL ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04SW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R022927

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-002

Sample wt/vol: 480.0 (g/mL) mL

Lab File ID: CA270730.d

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/19/2007

Extraction: (Type) SEPF

Date Extracted: 09/25/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/28/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: <2

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/L	Q
TPH-Diesel	Diesel Range Organics	0.10	U
TPH-Oil	Oil Range Organics	0.42	U

Comments:

1

DIESEL ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04DW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R022927

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-003

Sample wt/vol: 480.0 (g/mL) mL

Lab File ID: CA270735.d

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/19/2007

Extraction: (Type) SEPF

Date Extracted: 09/25/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/28/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: <2

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/L	Q
TPH-Diesel	Diesel Range Organics	0.10	U
TPH-Oil	Oil Range Organics	0.42	U

Comments:

1

DIESEL ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW03DW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R022927

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-004

Sample wt/vol: 490.0 (g/mL) mL

Lab File ID: CA270738.d

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/19/2007

Extraction: (Type) SEPF

Date Extracted: 09/25/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/28/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: <2

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/L	Q
TPH-Diesel	Diesel Range Organics	0.10	U
TPH-Oil	Oil Range Organics	0.41	U

Comments:

1

DIESEL ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW03SW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R022927

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-005

Sample wt/vol: 500.0 (g/mL) mL

Lab File ID: CA270739.d

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/19/2007

Extraction: (Type) SEPF

Date Extracted: 09/25/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/28/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: <2

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/L	Q
TPH-Diesel	Diesel Range Organics	0.10	U
TPH-Oil	Oil Range Organics	0.40	U

Comments:

SUM - 237

Laucks Testing Labs
Initial Calibration Linearity Summary

Start Cal Date: 18-SEP-2007 19:52
End Cal Date : 19-SEP-2007 00:37
Quant Method : ESTD
Cal Curve Type: Linear
Integrator : Falcon
Method File : \\diana\Target\5890c.i\C9187WA.b\CDX91801.m
Sublist : alld+.sub
Column : RTX-5
Column Size : 30m L - 0.25mm ID

Calibration Files:
Level 1: //diana/Target/5890c.i/C9187WA.b/C9180705.d
Level 2: //diana/Target/5890c.i/C9187WA.b/C9180706.d
Level 3: //diana/Target/5890c.i/C9187WA.b/C9180707.d
Level 4: //diana/Target/5890c.i/C9187WA.b/C9180708.d
Level 5: //diana/Target/5890c.i/C9187WA.b/C9180709.d
Level 6: //diana/Target/5890c.i/C9187WA.b/C9180710.d
Level 7: //diana/Target/5890c.i/C9187WA.b/C9180711.d/C9180711.dat

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Slope	Y-int	R^2
1 Diesel	340919.00	561105.00	953967.00	1789817.0	4035364.0	7702355.0	15461116	7612.30000	-25.991	0.99989
3 2-Fluorobiphenyl	13819.00	36627.00	76352.00	161839.00	392209.00	776456.00	1541266.0	7712.00000	-0.260	0.99994
4 o-Terphenyl	21991.00	51937.00	103552.00	212329.00	502897.00	976381.00	1977221.0	9837.70000	-0.568	0.99989
8 n-Octacosane	15972.00	39263.00	79930.00	168837.00	416583.00	824140.00	+++++++	8264.10000	0.013	0.99992
Average RSD :		1.0								

Amount = (Response divided by Slope) plus Y-int

+++ - Standard Level not used in linearity determination.

Responses expressed are Area units.
R^2 = The correlation co-efficient.

SUM - 238

Laucks Testing Labs
Initial Calibration Amounts Summary

Start Cal Date: 18-SEP-2007 19:52
End Cal Date : 19-SEP-2007 00:37
Quant Method : ESTD
Cal Curve Type: Linear
Integrator : Falcon
Method File : \\diana\Target\5890c.i\C9187WA.b\CDX91801.m
Sublist : alld+.sub
Column : RTX-5
Column Size : 30m L - 0.25mm ID

Calibration Files:
Level 1: //diana/Target/5890c.i/C9187WA.b/C9180705.d
Level 2: //diana/Target/5890c.i/C9187WA.b/C9180706.d
Level 3: //diana/Target/5890c.i/C9187WA.b/C9180707.d
Level 4: //diana/Target/5890c.i/C9187WA.b/C9180708.d
Level 5: //diana/Target/5890c.i/C9187WA.b/C9180709.d
Level 6: //diana/Target/5890c.i/C9187WA.b/C9180710.d
Level 7: //diana/Target/5890c.i/C9187WA.b/C9180711.d/C9180711.dat

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7
1 Diesel	20.00	50.00	100.00	200.00	500.00	1000.00	2000.00
3 2-Fluorobiphenyl	2.00	5.00	10.00	20.00	50.00	100.00	200.00
4 o-Terphenyl	2.00	5.00	10.00	20.00	50.00	100.00	200.00
8 n-Octacosane	2.00	5.00	10.00	20.00	50.00	100.00	+++++++

+++ - Standard Level not used in linearity determination.
Standard concentrations are expressed as ug/ml.

SUM - 239

Laucks Testing Labs
Initial Calibration Linearity Summary

Start Cal Date: 19-SEP-2007 03:48
End Cal Date : 19-SEP-2007 08:33
Quant Method : ESTD
Cal Curve Type: Linear
Integrator : Falcon
Method File : \\diana\Target\5890c.i\C9187WA.b\CDX91801.m
Sublist : mo.sub
Column : RTX-5
Column Size : 30m L - 0.25mm ID

Calibration Files:
Level 1: //diana/Target/5890c.i/C9187WA.b/C9180715.d
Level 2: //diana/Target/5890c.i/C9187WA.b/C9180716.d
Level 3: //diana/Target/5890c.i/C9187WA.b/C9180717.d
Level 4: //diana/Target/5890c.i/C9187WA.b/C9180718.d
Level 5: //diana/Target/5890c.i/C9187WA.b/C9180719.d
Level 6: //diana/Target/5890c.i/C9187WA.b/C9180720.d
Level 7: //diana/Target/5890c.i/C9187WA.b/C9180721.d

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Slope	Y-int	R^2
2 Motor Oil	1908908.0	2774389.0	5572728.0	9786421.0	17245692	20377001	+++++++	7763.40000	-187.962	0.99716
Average RSD :			1.0							

Amount = (Response divided by Slope) plus Y-int

+++ - Standard Level not used in linearity determination.

Responses expressed are Area units.
R^2 = The correlation co-efficient.

SUM - 240

Laucks Testing Labs
Initial Calibration Amounts Summary

Start Cal Date: 19-SEP-2007 03:48
End Cal Date : 19-SEP-2007 08:33
Quant Method : ESTD
Cal Curve Type: Linear
Integrator : Falcon
Method File : \\diana\Target\5890c.i\C9187WA.b\CDX91801.m
Sublist : mo.sub
Column : RTX-5
Column Size : 30m L - 0.25mm ID

Calibration Files:
Level 1: //diana/Target/5890c.i/C9187WA.b/C9180715.d
Level 2: //diana/Target/5890c.i/C9187WA.b/C9180716.d
Level 3: //diana/Target/5890c.i/C9187WA.b/C9180717.d
Level 4: //diana/Target/5890c.i/C9187WA.b/C9180718.d
Level 5: //diana/Target/5890c.i/C9187WA.b/C9180719.d
Level 6: //diana/Target/5890c.i/C9187WA.b/C9180720.d
Level 7: //diana/Target/5890c.i/C9187WA.b/C9180721.d

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7
2 Motor Oil	100.00	200.00	500.00	1000.00	2000.00	2500.00	+++++++

+++ - Standard Level not used in linearity determination.
Standard concentrations are expressed as ug/ml.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: \\diana\Target\5890c.i\C9187WA.b\C9180713.d		
Injection Date	: 19-SEP-2007 02:13		
Sample Info	: D400PPMICV		
Misc. Info	: NWTPHDx / 8015mod - Diesel		
Laboratory ID	: D400PPMICV	Client ID	: MA8-30-16
Instrument ID	: 5890c.i	Operator	: CMP
Method	: CDX91801.m	Sublist	: Donly
Quantitation	: ESTD	Integrator	: Falcon
Dilution Factor	: 1.00	Sample Type:	CCALIB_3
Column	: RTX-5	Column Size:	30.00m L- 0.25mm ID

Compound	RT	RT Window	Expected Amount	Continuing Amount	%D	Flag
Diesel		10.02 - 24.07	400.00	372.48	-6.9	

%Drift (%D) = Continuing Amount - Expected Amount divided by Expected Amount times 100

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: \\diana\Target\5890c.i\C9187WA.b\C9180723.d		
Injection Date	: 19-SEP-2007 10:08		
Sample Info	: O2500PPMICV		
Misc. Info	: NWTPHDx / 8015mod - Diesel		
Laboratory ID	: O2500PPMICV	Client ID	: MA8-32-15
Instrument ID	: 5890c.i	Operator	: CMP
Method	: CDX91801.m	Sublist	: mo
Quantitation	: ESTD	Integrator	: Falcon
Dilution Factor	: 1.00	Sample Type:	CCALIB_3
Column	: RTX-5	Column Size:	30.00m L- 0.25mm ID

Compound	RT	RT Window	Expected Amount	Continuing Amount	%D	Flag
Motor Oil		24.07 - 37.88	2500.0	2025.8	-19.0	

%Drift (%D) = Continuing Amount - Expected Amount divided by Expected Amount times 100

Laboratory Name
Continuing Calibration Verification Summary

Data File	: //diana/target/5890c.i/CA277WA.b/CA270725.d		
Injection Date	: 28-OCT-2007 05:47		
Sample Info	: D200PPM		
Misc. Info	: NWTPHDx / 8015mod - Diesel		
Laboratory ID	: D200PPM	Client ID	: MA8-34-01 10X
Instrument ID	: 5890C.i	Operator	: CMP
Method	: CDX91809.m	Sublist	: alld+
Quantitation	: ESTD	Integrator	: Falcon
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: RTX-5	Column Size	: 30.00m L- 0.25mm ID

Compound	RT	RT Window	Expected Amount	Continuing Amount	%D	Flag
2-Fluorobiphenyl	12.38	12.32 - 12.42	20.000	19.856	-0.7	
Diesel		9.69 - 23.68	200.00	199.03	-0.5	
o-Terphenyl	19.01	18.96 - 19.06	20.000	19.490	-2.5	
n-Octacosane	26.89	26.84 - 26.94	20.000	15.565	-22.2	* NTA

%Drift (%D) = Continuing Amount - Expected Amount divided by Expected Amount times 100
** = Percent Difference is outside the acceptance limits of +/-15%

Laboratory Name
Continuing Calibration Verification Summary

Data File	: //diana/target/5890c.i/CA277WA.b/CA270726.d		
Injection Date	: 28-OCT-2007 06:35		
Sample Info	: O2000PPM		
Misc. Info	: NWTPHDx / 8015mod - Diesel		
Laboratory ID	: O2000PPM	Client ID	: MA8-33-16 25X
Instrument ID	: 5890C.i	Operator	: CMP
Method	: CDX91809.m	Sublist	: mo
Quantitation	: ESTD	Integrator	: Falcon
Dilution Factor	: 1.00	Sample Type:	CCALIB_3
Column	: RTX-5	Column Size:	30.00m L- 0.25mm ID

Compound	RT	RT Window	Expected Amount	Continuing Amount	%D	Flag
Motor Oil		23.68 - 36.88	2000.0	1729.2	-13.5	

%Drift (%D) = Continuing Amount - Expected Amount divided by Expected Amount times 100

Laboratory Name
Continuing Calibration Verification Summary

Data File	: //diana/target/5890c.i/CA277WA.b/CA270732.d		
Injection Date	: 28-OCT-2007 11:28		
Sample Info	: D200PPM		
Misc. Info	: NWTPHDx / 8015mod - Diesel		
Laboratory ID	: D200PPM	Client ID	: MA8-34-01 10X
Instrument ID	: 5890C.i	Operator	: CMP
Method	: CDX91809.m	Sublist	: alld+
Quantitation	: ESTD	Integrator	: Falcon
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: RTX-5	Column Size	: 30.00m L- 0.25mm ID

Compound	RT	RT Window	Expected Amount	Continuing Amount	%D	Flag
2-Fluorobiphenyl	12.38	12.32 - 12.42	20.000	19.191	-4.0	
Diesel		9.69 - 23.68	200.00	197.31	-1.3	
o-Terphenyl	19.01	18.96 - 19.06	20.000	19.026	-4.9	
n-Octacosane	26.90	26.84 - 26.94	20.000	20.969	4.8	

%Drift (%D) = Continuing Amount - Expected Amount divided by Expected Amount times 100

Laboratory Name
Continuing Calibration Verification Summary

Data File	: //diana/target/5890c.i/CA277WA.b/CA270733.d		
Injection Date	: 28-OCT-2007 12:16		
Sample Info	: O2000PPM		
Misc. Info	: NWTPHDx / 8015mod - Diesel		
Laboratory ID	: O2000PPM	Client ID	: MA8-33-16 25X
Instrument ID	: 5890C.i	Operator	: CMP
Method	: CDX91809.m	Sublist	: mo
Quantitation	: ESTD	Integrator	: Falcon
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: RTX-5	Column Size	: 30.00m L- 0.25mm ID

Compound	RT	RT Window	Expected Amount	Continuing Amount	%D	Flag
Motor Oil		23.68 - 36.88	2000.0	1849.2	-7.5	

%Drift (%D) = Continuing Amount - Expected Amount divided by Expected Amount times 100

Laboratory Name
Continuing Calibration Verification Summary

Data File	: //diana/target/5890c.i/CA277WA.b/CA270741.d		
Injection Date	: 28-OCT-2007 18:38		
Sample Info	: D200PPM		
Misc. Info	: NWTPHDx / 8015mod - Diesel		
Laboratory ID	: D200PPM	Client ID	: MA8-34-01 10X
Instrument ID	: 5890C.i	Operator	: CMP
Method	: CDX91809.m	Sublist	: alld+
Quantitation	: ESTD	Integrator	: Falcon
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: RTX-5	Column Size	: 30.00m L- 0.25mm ID

Compound	RT	RT Window	Expected Amount	Continuing Amount	%D	Flag
2-Fluorobiphenyl	12.38	12.32 - 12.42	20.000	19.617	-1.9	
Diesel		9.69 - 23.68	200.00	199.77	-0.1	
o-Terphenyl	19.00	18.96 - 19.06	20.000	19.390	-3.0	
n-Octacosane	26.89	26.84 - 26.94	20.000	20.234	1.2	

%Drift (%D) = Continuing Amount - Expected Amount divided by Expected Amount times 100

Laboratory Name
Continuing Calibration Verification Summary

Data File	: //diana/target/5890c.i/CA277WA.b/CA270742.d		
Injection Date	: 28-OCT-2007 19:26		
Sample Info	: O2000PPM		
Misc. Info	: NWTPHDx / 8015mod - Diesel		
Laboratory ID	: O2000PPM	Client ID	: MA8-33-16 25X
Instrument ID	: 5890C.i	Operator	: CMP
Method	: CDX91809.m	Sublist	: mo
Quantitation	: ESTD	Integrator	: Falcon
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: RTX-5	Column Size	: 30.00m L- 0.25mm ID

Compound	RT	RT Window	Expected Amount	Continuing Amount	%D	Flag
Motor Oil		23.68 - 36.88	2000.0	1876.8	-6.2	

%Drift (%D) = Continuing Amount - Expected Amount divided by Expected Amount times 100

1

DIESEL ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B092507GSVWLP

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R022927

Matrix: (SOIL/WATER) Water

Lab Sample ID: B092507GSVWLP

Sample wt/vol: 400.0 (g/mL) mL

Lab File ID: CA270728.d

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SEPF

Date Extracted: 09/25/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/28/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: <2

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/L	Q
TPH-Diesel	Diesel Range Organics	0.13	U
TPH-Oil	Oil Range Organics	0.50	U

Comments:

1

DIESEL ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S092507GSVWLP

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R022927

Matrix: (SOIL/WATER) Water

Lab Sample ID: S092507GSVWLP

Sample wt/vol: 400.0 (g/mL) mL

Lab File ID: CA270729.d

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SEPF

Date Extracted: 09/25/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/28/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: <2

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/L	Q
TPH-Diesel	Diesel Range Organics	1.3	
TPH-Oil	Oil Range Organics	0.50	~UZ

Comments:

1

DIESEL ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04DWD

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R022927

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-003DUP

Sample wt/vol: 490.0 (g/mL) mL

Lab File ID: CA270736.d

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/19/2007

Extraction: (Type) SEPF

Date Extracted: 09/25/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/28/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: <2

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/L	Q
TPH-Diesel	Diesel Range Organics	0.10	U
TPH-Oil	Oil Range Organics	0.41	U

Comments:

1

DIESEL ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW04DWMS

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB37

Run Sequence: R022927

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB37-003MS

Sample wt/vol: 490.0 (g/mL) mL

Lab File ID: CA270737.d

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/19/2007

Extraction: (Type) SEPF

Date Extracted: 09/25/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/28/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: <2

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/L	Q
TPH-Diesel	Diesel Range Organics	1.1	
TPH-Oil	Oil Range Organics	0.41	~UZ

Comments:

FORMS SUMMARY

CAB37

Metals Data

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INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

16LCMW04SW

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37

Matrix (soil/water): Water Lab Sample ID: CAB37-002

Level (low/med): LOW Date Received: 09/20/2007

% Solids:

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-36-0	Antimony	0.136	J		M	R022517
7440-38-2	Arsenic	0.128	J		M	R022517
7440-41-7	Beryllium	0.215	U		M	R022587
7440-43-9	Cadmium	0.168	J		M	R022517
7440-47-3	Chromium	1.01	J		M	R022517
7440-50-8	Copper	0.520	U		M	R022517
7439-92-1	Lead	0.0750	U		M	R022517
7439-97-6	Mercury	0.0180	U		CV	R022243
7440-02-0	Nickel	0.878	J		M	R022517
7782-49-2	Selenium	0.264	J		M	R022517
7440-22-4	Silver	0.0850	U		M	R022517
7440-28-0	Thallium	0.0440	U		M	R022517
7440-66-6	Zinc	3.75	J	E	M	R022517

Color Before: Colorless Clarity Before: Clear Texture:

Color After: Colorless Clarity After: Clear Artifacts: No

Comment

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-1-
INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

16LCMW04DW

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37

Matrix (soil/water): Water Lab Sample ID: CAB37-003

Level (low/med): LOW Date Received: 09/20/2007

% Solids:

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-36-0	Antimony	0.0571	J		M	R022517
7440-38-2	Arsenic	1.03			M	R022517
7440-41-7	Beryllium	0.215	U		M	R022587
7440-43-9	Cadmium	0.139	J		M	R022517
7440-47-3	Chromium	2.51	J		M	R022517
7440-50-8	Copper	1.05	J		M	R022517
7439-92-1	Lead	0.0750	U		M	R022517
7439-97-6	Mercury	0.0180	U		CV	R022243
7440-02-0	Nickel	1.97			M	R022517
7782-49-2	Selenium	0.237	J		M	R022517
7440-22-4	Silver	0.0850	U		M	R022517
7440-28-0	Thallium	0.0440	U		M	R022517
7440-66-6	Zinc	4.42	J	E	M	R022517

Color Before: Colorless Clarity Before: Clear Texture:

Color After: Colorless Clarity After: Clear Artifacts: No

Comment

SW-846
-1-
INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

16LCMW03DW

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37

Matrix (soil/water): Water Lab Sample ID: CAB37-004

Level (low/med): LOW Date Received: 09/20/2007

% Solids:

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-36-0	Antimony	0.175	J		M	R022517
7440-38-2	Arsenic	0.657	J		M	R022517
7440-41-7	Beryllium	0.215	U		M	R022587
7440-43-9	Cadmium	0.140	J		M	R022517
7440-47-3	Chromium	2.21	J		M	R022517
7440-50-8	Copper	0.520	U		M	R022517
7439-92-1	Lead	0.0750	U		M	R022517
7439-97-6	Mercury	0.0180	U		CV	R022243
7440-02-0	Nickel	1.40			M	R022517
7782-49-2	Selenium	0.220	J		M	R022517
7440-22-4	Silver	0.0850	U		M	R022517
7440-28-0	Thallium	0.0440	U		M	R022517
7440-66-6	Zinc	5.48	J	E	M	R022517

Color Before: Colorless Clarity Before: Clear Texture:

Color After: Colorless Clarity After: Clear Artifacts: No

Comment

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INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

16LCMW03SW

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37

Matrix (soil/water): Water Lab Sample ID: CAB37-005

Level (low/med): LOW Date Received: 09/20/2007

% Solids:

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-36-0	Antimony	0.0560	U		M	R022517
7440-38-2	Arsenic	0.393	J		M	R022517
7440-41-7	Beryllium	0.215	U		M	R022587
7440-43-9	Cadmium	0.127	J		M	R022517
7440-47-3	Chromium	0.983	J		M	R022517
7440-50-8	Copper	0.520	U		M	R022517
7439-92-1	Lead	0.0750	U		M	R022517
7439-97-6	Mercury	0.0180	U		CV	R022243
7440-02-0	Nickel	0.905	J		M	R022517
7782-49-2	Selenium	0.258	J		M	R022517
7440-22-4	Silver	0.0850	U		M	R022517
7440-28-0	Thallium	0.0440	U		M	R022517
7440-66-6	Zinc	3.12	J	E	M	R022517

Color Before: Colorless Clarity Before: Clear Texture:

Color After: Colorless Clarity After: Clear Artifacts: No

Comment

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INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

16LCMW04SWF

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37

Matrix (soil/water): Water Lab Sample ID: CAB37-006

Level (low/med): LOW Date Received: 09/20/2007

% Solids:

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-36-0	Antimony	0.0560	U		M	R022517
7440-38-2	Arsenic	0.122	J		M	R022517
7440-41-7	Beryllium	0.215	U		M	R022587
7440-43-9	Cadmium	0.437	J		M	R022517
7440-47-3	Chromium	1.56	J		M	R022517
7440-50-8	Copper	0.520	U		M	R022517
7439-92-1	Lead	0.0750	U		M	R022517
7439-97-6	Mercury	0.0180	U		CV	R022243
7440-02-0	Nickel	1.29			M	R022517
7782-49-2	Selenium	0.321	J		M	R022517
7440-22-4	Silver	0.0850	U		M	R022517
7440-28-0	Thallium	0.0440	U		M	R022517
7440-66-6	Zinc	2.60	J	E	M	R022517

Color Before: Colorless Clarity Before: Clear Texture:

Color After: Colorless Clarity After: Clear Artifacts: No

Comment

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INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

16LCMW04DWF

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37

Matrix (soil/water): Water Lab Sample ID: CAB37-007

Level (low/med): LOW Date Received: 09/20/2007

% Solids:

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-36-0	Antimony	0.0560	U		M	R022517
7440-38-2	Arsenic	1.10			M	R022517
7440-41-7	Beryllium	0.215	U		M	R022587
7440-43-9	Cadmium	0.237	J		M	R022517
7440-47-3	Chromium	2.23	J		M	R022517
7440-50-8	Copper	0.669	J		M	R022517
7439-92-1	Lead	0.0750	U		M	R022517
7439-97-6	Mercury	0.0180	U		CV	R022243
7440-02-0	Nickel	2.66			M	R022517
7782-49-2	Selenium	0.313	J		M	R022517
7440-22-4	Silver	0.0850	U		M	R022517
7440-28-0	Thallium	0.0440	U		M	R022517
7440-66-6	Zinc	2.78	J	E	M	R022517

Color Before: Colorless Clarity Before: Clear Texture:

Color After: Colorless Clarity After: Clear Artifacts: No

Comment

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INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

16LCMW03SWF

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37

Matrix (soil/water): Water Lab Sample ID: CAB37-008

Level (low/med): LOW Date Received: 09/20/2007

% Solids:

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-36-0	Antimony	0.146	J		M	R022517
7440-38-2	Arsenic	0.388	J		M	R022517
7440-41-7	Beryllium	0.215	U		M	R022587
7440-43-9	Cadmium	0.0940	U		M	R022517
7440-47-3	Chromium	2.08	J		M	R022517
7440-50-8	Copper	0.520	U		M	R022517
7439-92-1	Lead	0.0750	U		M	R022517
7439-97-6	Mercury	0.0180	U		CV	R022243
7440-02-0	Nickel	1.76			M	R022517
7782-49-2	Selenium	0.299	J		M	R022517
7440-22-4	Silver	0.0850	U		M	R022517
7440-28-0	Thallium	0.0440	U		M	R022517
7440-66-6	Zinc	5.90	J	E	M	R022517

Color Before: Colorless Clarity Before: Clear Texture:

Color After: Colorless Clarity After: Clear Artifacts: No

Comment

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INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

16LCMW03DWF

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37

Matrix (soil/water): Water Lab Sample ID: CAB37-009

Level (low/med): LOW Date Received: 09/20/2007

% Solids:

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-36-0	Antimony	0.0560	U		M	R022517
7440-38-2	Arsenic	0.693	J		M	R022517
7440-41-7	Beryllium	0.215	U		M	R022587
7440-43-9	Cadmium	0.0940	U		M	R022517
7440-47-3	Chromium	1.16	J		M	R022517
7440-50-8	Copper	0.520	U		M	R022517
7439-92-1	Lead	0.0750	U		M	R022517
7439-97-6	Mercury	0.0180	U		CV	R022243
7440-02-0	Nickel	1.60			M	R022517
7782-49-2	Selenium	0.215	J		M	R022517
7440-22-4	Silver	0.0850	U		M	R022517
7440-28-0	Thallium	0.0440	U		M	R022517
7440-66-6	Zinc	5.30	J	E	M	R022517

Color Before: Colorless Clarity Before: Clear Texture:

Color After: Colorless Clarity After: Clear Artifacts: No

Comment

SW-846

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022517

Initial Calibration Source: ME-15-161-12

Continuing Calbration Source: ME-15-165-20, ME-15-166-2

Concentration Units: ug/L

Analyte	Initial Calibration ICV				Continuing Calibrations CCV1				CCV2		M
	Limits	True	Found	%R(1)	Limits	True	Found	%R(1)	Found	%R(1)	
Antimony	90-110	60	61.056	101.8	90 - 110	50.000	49.477	99.0	48.965	97.9	M
Arsenic	90-110	60	59.581	99.3	90 - 110	50.000	49.467	98.9	51.165	102.3	M
Cadmium	90-110	60	62.905	104.8	90 - 110	50.000	52.046	104.1	51.880	103.8	M
Chromium	90-110	60	60.976	101.6	90 - 110	50.000	52.747	105.5	53.654	107.3	M
Copper	90-110	60	61.536	102.6	90 - 110	50.000	50.533	101.1	49.515	99.0	M
Lead	90-110	60	62.364	103.9	90 - 110	50.000	52.072	104.1	51.091	102.2	M
Nickel	90-110	60	63.931	106.6	90 - 110	50.000	50.921	101.8	49.620	99.2	M
Selenium	90-110	60	61.695	102.8	90 - 110	50.000	50.007	100.0	52.620	105.2	M
Silver	90-110	60	58.857	98.1	90 - 110	50.000	51.374	102.7	51.839	103.7	M
Thallium	90-110	60	62.850	104.8	90 - 110	50.000	52.704	105.4	50.218	100.4	M
Zinc	90-110	60	61.280	102.1	90 - 110	50.000	50.705	101.4	50.244	100.5	M

SW-846

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022517

Initial Calibration Source:

Continuing Calbration Source: ME-15-165-20, ME-15-166-2

Concentration Units: ug/L

Analyte	Initial Calibration				Continuing Calibrations CCV3				CCV4		M
	Limits	True	Found	%R(1)	Limits	True	Found	%R(1)	Found	%R(1)	
Antimony					90 - 110	50.000	47.769	95.5	47.830	95.7	M
Arsenic					90 - 110	50.000	49.724	99.4	51.462	102.9	M
Cadmium					90 - 110	50.000	51.447	102.9	51.902	103.8	M
Chromium					90 - 110	50.000	53.812	107.6	53.231	106.5	M
Copper					90 - 110	50.000	49.400	98.8	49.222	98.4	M
Lead					90 - 110	50.000	51.265	102.5	50.602	101.2	M
Nickel					90 - 110	50.000	49.389	98.8	49.845	99.7	M
Selenium					90 - 110	50.000	50.621	101.2	53.023	106.0	M
Silver					90 - 110	50.000	51.016	102.0	50.952	101.9	M
Thallium					90 - 110	50.000	49.817	99.6	50.151	100.3	M
Zinc					90 - 110	50.000	48.835	97.7	50.317	100.6	M

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022517

Initial Calibration Source:

Continuing Calbration Source: ME-15-165-20, ME-15-166-2

Concentration Units: ug/L

Analyte	Initial Calibration				Continuing Calibrations						M
					CCV5				CCV6		
	Limits	True	Found	%R(1)	Limits	True	Found	%R(1)	Found	%R(1)	
Antimony					90 - 110	50.000	47.705	95.4	48.261	96.5	M
Arsenic					90 - 110	50.000	50.130	100.3	50.461	100.9	M
Cadmium					90 - 110	50.000	50.739	101.5	51.843	103.7	M
Chromium					90 - 110	50.000	53.348	106.7	54.028	108.1	M
Copper					90 - 110	50.000	49.902	99.8	49.533	99.1	M
Lead					90 - 110	50.000	50.530	101.1	47.545	95.1	M
Nickel					90 - 110	50.000	50.946	101.9	51.475	102.9	M
Selenium					90 - 110	50.000	51.526	103.1	51.674	103.3	M
Silver					90 - 110	50.000	51.325	102.7	51.392	102.8	M
Thallium					90 - 110	50.000	49.951	99.9	47.292	94.6	M
Zinc					90 - 110	50.000	49.913	99.8	50.871	101.7	M

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022517

Initial Calibration Source:

Continuing Calbration Source: ME-15-165-20, ME-15-166-2

Concentration Units: ug/L

Analyte	Initial Calibration				Continuing Calibrations						M
					CCV7				CCV8		
	Limits	True	Found	%R(1)	Limits	True	Found	%R(1)	Found	%R(1)	
Antimony					90 - 110	50.000	47.485	95.0	48.070	96.1	M
Arsenic					90 - 110	50.000	50.864	101.7	49.412	98.8	M
Cadmium					90 - 110	50.000	51.142	102.3	51.079	102.2	M
Chromium					90 - 110	50.000	55.403	110.8	52.985	106.0	M
Copper					90 - 110	50.000	51.099	102.2	50.354	100.7	M
Lead					90 - 110	50.000	48.636	97.3	49.048	98.1	M
Nickel					90 - 110	50.000	51.589	103.2	51.682	103.4	M
Selenium					90 - 110	50.000	51.812	103.6	50.029	100.1	M
Silver					90 - 110	50.000	51.141	102.3	51.258	102.5	M
Thallium					90 - 110	50.000	48.093	96.2	49.445	98.9	M
Zinc					90 - 110	50.000	51.903	103.8	51.423	102.8	M

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022517

Initial Calibration Source:

Continuing Calbration Source: ME-15-165-20, ME-15-166-2

Concentration Units: ug/L

Analyte	Initial Calibration				Continuing Calibrations						M
					CCV9				CCV10		
	Limits	True	Found	%R(1)	Limits	True	Found	%R(1)	Found	%R(1)	
Antimony					90 - 110	50.000	50.567	101.1	47.743	95.5	M
Arsenic					90 - 110	50.000	51.209	102.4	49.992	100.0	M
Cadmium					90 - 110	50.000	49.138	98.3	49.640	99.3	M
Chromium					90 - 110	50.000	53.941	107.9	52.101	104.2	M
Copper					90 - 110	50.000	51.593	103.2	49.829	99.7	M
Lead					90 - 110	50.000	47.460	94.9	46.798	93.6	M
Nickel					90 - 110	50.000	50.935	101.9	49.881	99.8	M
Selenium					90 - 110	50.000	51.652	103.3	50.351	100.7	M
Silver					90 - 110	50.000	49.999	100.0	51.028	102.1	M
Thallium					90 - 110	50.000	47.363	94.7	46.544	93.1	M
Zinc					90 - 110	50.000	51.091	102.2	48.850	97.7	M

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022517

Initial Calibration Source:

Continuing Calbration Source: ME-15-165-20, ME-15-166-2

Concentration Units: ug/L

Analyte	Initial Calibration				Continuing Calibrations						M
					CCV11				CCV12		
	Limits	True	Found	%R(1)	Limits	True	Found	%R(1)	Found	%R(1)	
Antimony					90 - 110	50.000	47.913	95.8	48.418	96.8	M
Arsenic					90 - 110	50.000	51.246	102.5	51.066	102.1	M
Cadmium					90 - 110	50.000	49.716	99.4	50.579	101.2	M
Chromium					90 - 110	50.000	55.186	110.4	51.334	102.7	M
Copper					90 - 110	50.000	51.014	102.0	49.847	99.7	M
Lead					90 - 110	50.000	46.207	92.4	47.212	94.4	M
Nickel					90 - 110	50.000	48.897	97.8	50.861	101.7	M
Selenium					90 - 110	50.000	51.724	103.4	51.289	102.6	M
Silver					90 - 110	50.000	50.819	101.6	50.888	101.8	M
Thallium					90 - 110	50.000	46.433	92.9	47.098	94.2	M
Zinc					90 - 110	50.000	49.251	98.5	50.607	101.2	M

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022517

Initial Calibration Source:

Continuing Calbration Source: ME-15-165-20, ME-15-166-2

Concentration Units: ug/L

Analyte	Initial Calibration				Continuing Calibrations						M
					CCV13				CCV14		
	Limits	True	Found	%R(1)	Limits	True	Found	%R(1)	Found	%R(1)	
Antimony					90 - 110	50.000	47.997	96.0	48.554	97.1	M
Arsenic					90 - 110	50.000	49.646	99.3	50.514	101.0	M
Cadmium					90 - 110	50.000	50.439	100.9	50.127	100.3	M
Chromium					90 - 110	50.000	53.616	107.2	53.639	107.3	M
Copper					90 - 110	50.000	49.379	98.8	50.839	101.7	M
Lead					90 - 110	50.000	46.257	92.5	47.908	95.8	M
Nickel					90 - 110	50.000	47.751	95.5	49.662	99.3	M
Selenium					90 - 110	50.000	50.624	101.2	51.037	102.1	M
Silver					90 - 110	50.000	50.579	101.2	50.496	101.0	M
Thallium					90 - 110	50.000	46.786	93.6	48.093	96.2	M
Zinc					90 - 110	50.000	48.197	96.4	48.741	97.5	M

SW-846

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022587

Initial Calibration Source: ME-15-161-12

Continuing Calbration Source: ME-15-165-20, ME-15-166-2

Concentration Units: ug/L

Analyte	Initial Calibration ICV				Continuing Calibrations CCV1				CCV2		M
	Limits	True	Found	%R(1)	Limits	True	Found	%R(1)	Found	%R(1)	
Beryllium	90-110	60	59.680	99.5	90 - 110	50.000	53.128	106.3	50.295	100.6	M

SW-846

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022587

Initial Calibration Source:

Continuing Calbration Source: ME-15-165-20, ME-15-166-2

Concentration Units: ug/L

Analyte	Initial Calibration				Continuing Calibrations						M
					CCV3				CCV4		
	Limits	True	Found	%R(1)	Limits	True	Found	%R(1)	Found	%R(1)	
Beryllium					90 - 110	50.000	52.476	105.0	51.163	102.3	M

SW-846

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022243

Initial Calibration Source: ME-15-162-6

Continuing Calbration Source: ME-15-168-1

Concentration Units: ug/L

Analyte	Initial Calibration ICV				Continuing Calibrations CCV1				CCV2		M
	Limits	True	Found	%R(1)	Limits	True	Found	%R(1)	Found	%R(1)	
Mercury	90-110	4.04	4.074	100.8	80 - 120	5.000	5.100	102.0	5.084	101.7	CV

2B-IN
CRDL STANDARD FOR METALS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022517

ICP CRDL Standard Source: ME-15-166-1

Concentration Units: ug/L

Analyte	CRDL Standard for ICP					
	Initial CRI			Final		
	True	Found	%R	Found	%R	Limits
Antimony	1	1.02	102.2			
Arsenic	1	1.04	103.6			
Cadmium	1	1.05	105.4			
Chromium	1	1.17	116.6			
Copper	2	2.2	110.1			
Lead	1	1.11	110.7			
Nickel	1	1.1	109.9			
Selenium	1	1.21	121.5			
Silver	1	0.72	72.5			
Thallium	1	1.11	111			
Zinc	10	12.71	127.1			

Control Limits: no limits have been established by EPA at this time

2B-IN
CRDL STANDARD FOR METALS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022587

ICP CRDL Standard Source: ME-15-166-1

Concentration Units: ug/L

Analyte	CRDL Standard for ICP					
	Initial CRI			Final		
	True	Found	%R	Found	%R	Limits
Beryllium	1	1.05	105.1			

Control Limits: no limits have been established by EPA at this time

2B-IN
CRDL STANDARD FOR METALS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022243

ICP CRDL Standard Source: ME-15-168-1

Concentration Units: ug/L

	CRDL Standard for ICP					
	Initial CRA			Final		
Analyte	True	Found	%R	Found	%R	Limits
Mercury	0.2	0.17	82.8			

Control Limits: no limits have been established by EPA at this time

SW-846

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022517

Concentration Units: ug/L

Analyte	Inital Calib. Blank		Continuing Calibration Blank					
	ICB	C	CCB1 1	C	CCB2 2	C	CCB3 3	C
Antimony	0.229	J	0.176	J	0.134	J	0.160	J
Arsenic	0.100	U	0.100	U	0.100	U	0.100	U
Cadmium	0.0940	U	0.0940	U	0.0940	U	0.0940	U
Chromium	0.120	U	0.120	U	0.120	U	0.163	J
Copper	0.520	U	0.520	U	0.520	U	0.520	U
Lead	0.0750	U	0.0750	U	0.0750	U	0.0750	U
Nickel	0.110	U	0.110	U	0.110	U	0.110	U
Selenium	0.110	U	0.110	U	0.141	J	0.129	J
Silver	0.0850	U	0.0850	U	0.0850	U	0.0850	U
Thallium	0.0440	U	0.0440	U	0.0440	U	0.0440	U
Zinc	1.80	U	1.80	U	1.80	U	1.80	U

SW-846

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022517

Concentration Units: ug/L

Analyte	Inital Calib. Blank	C	Continuing Calibration Blank CCB4 1	C	CCB5 2	C	CCB6 3	C
Antimony			0.0560	U	0.182	J	0.252	J
Arsenic			0.100	U	0.100	U	0.100	U
Cadmium			0.0940	U	0.0940	U	0.0940	U
Chromium			0.120	U	0.142	J	0.137	J
Copper			0.520	U	0.520	U	0.520	U
Lead			0.0750	U	0.0750	U	0.0750	U
Nickel			0.110	U	0.110	U	0.110	U
Selenium			0.135	J	0.258	J	0.149	J
Silver			0.0850	U	0.0850	U	0.0850	U
Thallium			0.0440	U	0.0440	U	0.0440	U
Zinc			1.80	U	1.80	U	1.80	U

SW-846

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022517

Concentration Units: ug/L

Analyte	Inital Calib. Blank	C	Continuing Calibration Blank CCB7 1	C	CCB8 2	C	CCB9 3	C
Antimony			0.220	J	0.215	J	0.547	J
Arsenic			0.100	U	0.100	U	0.100	U
Cadmium			0.0940	U	0.0940	U	0.0940	U
Chromium			0.133	J	0.142	J	0.213	J
Copper			0.520	U	0.520	U	0.520	U
Lead			0.0750	U	0.0750	U	0.0750	U
Nickel			0.110	U	0.110	U	0.110	U
Selenium			0.129	J	0.110	U	0.213	J
Silver			0.0850	U	0.0850	U	0.0850	U
Thallium			0.0440	U	0.0440	U	0.0440	U
Zinc			1.80	U	1.80	U	1.80	U

SW-846

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022517

Concentration Units: ug/L

Analyte	Inital Calib. Blank	C	Continuing Calibration Blank CCB10 1	C	CCB11 2	C	CCB12 3	C
Antimony			0.0560	U	0.260	J	0.200	J
Arsenic			0.100	U	0.100	U	0.100	U
Cadmium			0.0940	U	0.0940	U	0.0940	U
Chromium			0.120	U	0.120	U	0.125	J
Copper			0.520	U	0.520	U	0.520	U
Lead			0.0750	U	0.0750	U	0.0750	U
Nickel			0.163	J	0.132	J	0.139	J
Selenium			0.238	J	0.261	J	0.110	U
Silver			0.0850	U	0.0850	U	0.0850	U
Thallium			0.0440	U	0.0440	U	0.0440	U
Zinc			2.79	J	2.85	J	2.83	J

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3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022517

Concentration Units: ug/L

Analyte	Inital Calib. Blank	C	Continuing Calibration Blank CCB13 1	C	CCB14 2	C	3	C
Antimony			0.265	J	0.174	J		
Arsenic			0.100	U	0.100	U		
Cadmium			0.0940	U	0.0940	U		
Chromium			0.120	U	0.120	U		
Copper			0.520	U	0.520	U		
Lead			0.0750	U	0.0750	U		
Nickel			0.167	J	0.164	J		
Selenium			0.127	J	0.203	J		
Silver			0.0850	U	0.0850	U		
Thallium			0.0440	U	0.0440	U		
Zinc			2.74	J	2.92	J		

SW-846

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022587

Concentration Units: ug/L

Analyte	Inital Calib. Blank		Continuing Calibration Blank					
	ICB	C	CCB1 1	C	CCB2 2	C	CCB3 3	C
Beryllium	0.0430	U	0.0430	U	0.0430	U	0.0430	U

SW-846

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022587

Concentration Units: ug/L

Analyte	Inital Calib. Blank	C	Continuing Calibration Blank CCB4 1	C	2	C	3	C
Beryllium			0.0430	U				

SW-846

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022243

Concentration Units: ug/L

Analyte	Inital Calib. Blank		Continuing Calibration Blank					
	ICB	C	CCB1 1	C	CCB2 2	C	3	C
Mercury	0.0180	U	-0.0375	J	-0.0351	J		

SW-846
3B
BLANKS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022517

Lab Sample ID: B100107ICPMSW03 Prep Batch ID: P023012

Matrix (soil/water): Water Date Prepared: 10/01/2007

Concentration Units: ug/L

Analyte	Preparation Blank			
	Limits		C	M
Antimony	0.5	0.0560	U	M
Arsenic	0.5	0.100	U	M
Cadmium	0.5	0.744	J	M
Chromium	0.5	0.695	J	M
Copper	1	0.547	J	M
Lead	0.5	0.0750	U	M
Nickel	0.5	0.152	J	M
Selenium	0.5	0.253	J	M
Silver	0.5	0.0850	U	M
Thallium	0.5	0.0440	U	M
Zinc	5	1.80	U	M

SW-846
3B
BLANKS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022587

Lab Sample ID: B100107ICPMSW03 Prep Batch ID: P023012

Matrix (soil/water): Water Date Prepared: 10/01/2007

Concentration Units: ug/L

Analyte	Preparation Blank			
	Limits		C	M
Beryllium	0.5	0.0430	U	M

SW-846
3B
BLANKS

Lab Name: Laucks Laboratories
Contract:

Lab Code: LAUCKS SDG No.: CAB37
Run Sequence ID: R022243

Lab Sample ID: B100807HGW01
Prep Batch ID: P023230

Matrix (soil/water): Water
Date Prepared: 10/08/2007

Concentration Units: ug/L

Analyte	Preparation Blank			
	Limits		C	M
Mercury	0.1	-0.0208	J	CV

SW-846

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022517

ICS Source: ME-15-153-19, ME-15-165-20, ME-15-166-2

ICP ID Number: ICPMS (PE ELAN 6100) Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R	Limits
Antimony	0	20.0	-0.0136	19.3	96.5				
Arsenic	0	20.0	0.0358	20.0	100				
Cadmium	0	20.0	0.0346	20.2	100.9				
Chromium	0	20.0	0.409	21.5	107.4				
Copper	0	20.0	0.407	20.1	100.7				
Lead	0	20.0	0.0471	20.1	100.4				
Nickel	0	20.0	0.600	20.7	103.7				
Selenium	0	20.0	0.0973	20.0	100.1				
Silver	0	20.0	0.0131	20.5	102.7				
Thallium	0	20.0	0.00176	20.3	101.5				
Zinc	0	20.0	1.92	20.7	103.7				

Interference Check Sample Recover Limits: 80 - 120

SW-846

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022587

ICS Source: ME-15-153-19, ME-15-165-20, ME-15-166-2

ICP ID Number: ICPMS (PE ELAN 6100) Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R	Final Found Limits
Beryllium	0	20.0	-0.00628	19.8	99.2				

Interference Check Sample Recover Limits: 80 - 120

SW-846

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

16LCMW04DWMS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022517

Lab Sample ID: CAB37-003MS Prep Batch ID: P023012

Matrix (soil/water): Water Level (low/med): LOW

% Solids for Sample: Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	% R	Q	M
Antimony	75 - 125	46.4107		0.0571	J	50.00	92.7		M
Arsenic	75 - 125	45.9008		1.0269		50.00	89.7		M
Cadmium	75 - 125	46.4051		0.1386	J	50.00	92.5		M
Chromium	75 - 125	55.2040		2.5126	J	50.00	105.4		M
Copper	75 - 125	52.5115		1.0546	J	50.00	102.9		M
Lead	75 - 125	48.1525		0.0750	U	50.00	96.2		M
Nickel	75 - 125	52.7653		1.9720		50.00	101.6		M
Selenium	75 - 125	43.2258		0.2369	J	50.00	86.0		M
Silver	75 - 125	47.5176		0.0850	U	50.00	95.0		M
Thallium	75 - 125	49.8947		0.0440	U	50.00	99.8		M
Zinc	75 - 125	61.2946		4.4154	J	50.00	113.8		M

Comments:

SW-846

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

16LCMW04DWMS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022587

Lab Sample ID: CAB37-003MS Prep Batch ID: P023012

Matrix (soil/water): Water Level (low/med): LOW

% Solids for Sample: Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	% R	Q	M
Beryllium	75 - 125	53.7360		0.2150	U	50.00	107.4		M

Comments:

SW-846
5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

16LCMW04DWMS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022243

Lab Sample ID: CAB37-003MS Prep Batch ID: P023230

Matrix (soil/water): Water Level (low/med): LOW

% Solids for Sample: Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	% R	Q	M
Mercury	85 - 115	5.0593		0.0180	U	5.00	101.2		CV

Comments:

SW-846

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

16LCMW04DWFMS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022517

Lab Sample ID: CAB37-007MS Prep Batch ID: P023012

Matrix (soil/water): Water Level (low/med): LOW

% Solids for Sample: Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	% R	Q	M
Antimony	75 - 125	51.2616		0.0560	U	50.00	102.5		M
Arsenic	75 - 125	49.3626		1.0990		50.00	96.5		M
Cadmium	75 - 125	49.5628		0.2369	J	50.00	98.7		M
Chromium	75 - 125	58.1635		2.2302	J	50.00	111.9		M
Copper	75 - 125	56.5914		0.6689	J	50.00	111.8		M
Lead	75 - 125	50.9865		0.0750	U	50.00	101.9		M
Nickel	75 - 125	58.1394		2.6555		50.00	111.0		M
Selenium	75 - 125	47.0957		0.3127	J	50.00	93.6		M
Silver	75 - 125	50.4718		0.0850	U	50.00	100.9		M
Thallium	75 - 125	52.0319		0.0440	U	50.00	104.1		M
Zinc	75 - 125	48.3659		2.7841	J	50.00	91.2		M

Comments:

SW-846
5A
SPIKE SAMPLE RECOVERY

SAMPLE NO.
16LCMW04DWFMS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022587

Lab Sample ID: CAB37-007MS Prep Batch ID: P023012

Matrix (soil/water): Water Level (low/med): LOW

% Solids for Sample: Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	% R	Q	M
Beryllium	75 - 125	58.1395		0.2150	U	50.00	116.3		M

Comments:

SW-846
5A
SPIKE SAMPLE RECOVERY

SAMPLE NO.
16LCMW04DWFMS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022243

Lab Sample ID: CAB37-007MS Prep Batch ID: P023230

Matrix (soil/water): Water Level (low/med): LOW

% Solids for Sample: Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	% R	Q	M
Mercury	85 - 115	5.0539		0.0180	U	5.00	101.1		CV

Comments:

SW-846
5B
POST DIGEST SPIKE RECOVERY

SAMPLE NO.
16LCMW04DWP

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022517

Lab Sample ID: CAB37-003P Matrix (soil/water): Water

Level (low/med): LOW Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	% R	Q	M
Antimony		48.8421		0.0571	J	50.00	97.6		M
Arsenic		46.3789		1.0269		50.00	90.7		M
Cadmium		47.4107		0.1386	J	50.00	94.5		M
Chromium		54.1223		0.5025	J	50.00	107.2		M
Copper		53.9242		1.0546	J	50.00	105.7		M
Lead		49.0403		0.0750	U	50.00	98.0		M
Nickel		55.1551		1.9720		50.00	106.4		M
Selenium		43.5858		0.2369	J	50.00	86.7		M
Silver		49.2319		0.0850	U	50.00	98.5		M
Thallium		50.1299		0.0440	U	50.00	100.3		M
Zinc		46.3190		4.4154	J	50.00	83.8		M

Comments:

SW-846

5B

POST DIGEST SPIKE RECOVERY

SAMPLE NO.

16LCMW04DWP

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022587

Lab Sample ID: CAB37-003P Matrix (soil/water): Water

Level (low/med): LOW Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	% R	Q	M
Beryllium		52.1632		0.0430	U	50.00	104.3		M

Comments:

SW-846

5B

POST DIGEST SPIKE RECOVERY

SAMPLE NO.

16LCMW04DWFP

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022517

Lab Sample ID: CAB37-007P Matrix (soil/water): Water

Level (low/med): LOW Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	% R	Q	M
Antimony		49.0591		0.0560	U	50.00	98.1		M
Arsenic		46.6902		1.0990		50.00	91.2		M
Cadmium		47.5684		0.2369	J	50.00	94.7		M
Chromium		52.6512		0.4461	J	50.00	104.4		M
Copper		53.2076		0.6689	J	50.00	105.1		M
Lead		48.9401		0.0750	U	50.00	97.8		M
Nickel		54.9156		2.6555		50.00	104.5		M
Selenium		43.9221		0.3127	J	50.00	87.2		M
Silver		48.2178		0.0850	U	50.00	96.4		M
Thallium		50.0896		0.0440	U	50.00	100.2		M
Zinc		46.4539		2.7841	J	50.00	87.3		M

Comments:

SW-846

5B

POST DIGEST SPIKE RECOVERY

SAMPLE NO.

16LCMW04DWFP

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022587

Lab Sample ID: CAB37-007P Matrix (soil/water): Water

Level (low/med): LOW Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	% R	Q	M
Beryllium		55.8754		0.0430	U	50.00	111.7		M

Comments:

SW-846
6
DUPLICATES

SAMPLE NO.
16LCMW04DWD

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022517

Lab Sample ID: CAB37-003D Prep Batch ID: P023012

Level (low/med): LOW Matrix (soil/water): Water

% Solids for Duplicate % Solids for Sample:

Concentration Units: ug/L

Analyte	Control Limit	Sample	C	Duplicate (D)	C	RPD	Q	M
Antimony	1	0.0571	J	0.0560	U			M
Arsenic	1	1.0269		1.0752		4.6		M
Cadmium	1	0.1386	J	0.0940	U			M
Chromium	5	2.5126	J	2.7201	J	7.9		M
Copper	2	1.0546	J	0.5200	U			M
Lead	1	0.0750	U	0.0750	U			M
Nickel	1	1.9720		1.7041		14.6		M
Selenium	1	0.2369	J	0.2682	J	12.4		M
Silver	1	0.0850	U	0.0850	U			M
Thallium	1	0.0440	U	0.0440	U			M
Zinc	10	4.4154	J	6.5049	J	38.3		M

SW-846
6
DUPLICATES

SAMPLE NO.

16LCMW04DWD

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022587

Lab Sample ID: CAB37-003D Prep Batch ID: P023012

Level (low/med): LOW Matrix (soil/water): Water

% Solids for Duplicate % Solids for Sample:

Concentration Units: ug/L

Analyte	Control Limit	Sample	C	Duplicate (D)	C	RPD	Q	M
Beryllium	5	0.2150	U	0.2150	U			M

SW-846
6
DUPLICATES

SAMPLE NO.

16LCMW04DWD

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022243

Lab Sample ID: CAB37-003D Prep Batch ID: P023230

Level (low/med): LOW Matrix (soil/water): Water

% Solids for Duplicate % Solids for Sample:

Concentration Units: ug/L

Analyte	Control Limit	Sample	C	Duplicate (D)	C	RPD	Q	M
Mercury	0.2	0.0180	U	0.0180	U			CV

SW-846

6

DUPLICATES

SAMPLE NO.

16LCMW04DWFD

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022517

Lab Sample ID: CAB37-007D Prep Batch ID: P023012

Level (low/med): LOW Matrix (soil/water): Water

% Solids for Duplicate % Solids for Sample:

Concentration Units: ug/L

Analyte	Control Limit	Sample	C	Duplicate (D)	C	RPD	Q	M
Antimony	1	0.0560	U	0.0560	U			M
Arsenic	1	1.0990		1.0574		3.9		M
Cadmium	1	0.2369	J	0.1622	J	37.5		M
Chromium	5	2.2302	J	2.0763	J	7.2		M
Copper	2	0.6689	J	0.5200	U			M
Lead	1	0.0750	U	0.0750	U			M
Nickel	1	2.6555		2.5669		3.4		M
Selenium	1	0.3127	J	0.2456	J	24.0		M
Silver	1	0.0850	U	0.0850	U			M
Thallium	1	0.0440	U	0.0440	U			M
Zinc	10	2.7841	J	3.0193	J	8.1		M

SW-846
6
DUPLICATES

SAMPLE NO.

16LCMW04DWFD

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022587

Lab Sample ID: CAB37-007D Prep Batch ID: P023012

Level (low/med): LOW Matrix (soil/water): Water

% Solids for Duplicate % Solids for Sample:

Concentration Units: ug/L

Analyte	Control Limit	Sample	C	Duplicate (D)	C	RPD	Q	M
Beryllium	5	0.2150	U	0.2150	U			M

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6

DUPLICATES

SAMPLE NO.

16LCMW04DWFD

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022243

Lab Sample ID: CAB37-007D Prep Batch ID: P023230

Level (low/med): LOW Matrix (soil/water): Water

% Solids for Duplicate % Solids for Sample:

Concentration Units: ug/L

Analyte	Control Limit	Sample	C	Duplicate (D)	C	RPD	Q	M
Mercury	0.2	0.0180	U	0.0180	U			CV

7A

LABORATORY CONTROL SAMPLE

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022243

Lab Sample ID: S100807HGW01 Prep Batch ID: P023230

LCS Source: ME-15-162-6

Analyte	Concentration Units: ug/L					
	True	Found	C	%R Limits		%R
Mercury	4.04	3.9862		85	115	98.7

SW-846

7C

DUPLICATE LABORATORY CONTROL SAMPLE

SAMPLE NO.

-DL

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence(s): R022517 AM 10/17/07

LCS Lab Sample ID: S100107ICPMSW03 Prep Batch ID: P023012

Duplicate LCS ID: S100107ICPMSW03D Level (low/med): LOW

% Solids for LCS: 100 % Solids for Duplicate LCS: 100

Matrix (soil/water): Water Concentration Units: ug/L

Analyte	Control Limits		LCS						Duplicate LCS						
	%R	RPD	Results	C	Added	%R	Q	M	Results	C	Added	%R	Q	M	RPD
Antimony	80 - 120	20	48.1802		50.0	96		M	48.3067		50.0	97		M	0%
Arsenic	80 - 120	20	46.5971		50.0	93		M	47.0478		50.0	94		M	1%
Cadmium	80 - 120	20	49.4292		50.0	99		M	48.5032		50.0	97		M	2%
Chromium	80 - 120	20	57.3266		50.0	115		M	55.8463		50.0	112		M	3%
Copper	80 - 120	20	52.3753		50.0	105		M	53.9365		50.0	108		M	3%
Lead	80 - 120	20	48.1534		50.0	96		M	49.1927		50.0	98		M	2%
Nickel	80 - 120	20	52.8003		50.0	106		M	54.2257		50.0	108		M	3%
Selenium	80 - 120	20	45.3643		50.0	91		M	45.413		50.0	91		M	0%
Silver	80 - 120	20	51.1961		50.0	102		M	50.5358		50.0	101		M	1%
Thallium	80 - 120	20	49.7425		50.0	99		M	51.7735		50.0	104		M	4%
Zinc	80 - 120	20	45.1891		50.0	90		M	46.5043		50.0	93		M	3%

Comments:

SW-846
7C

DUPLICATE LABORATORY CONTROL SAMPLE

SAMPLE NO.
S100107ICPMSW03D

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence(s): R022587 10/17/07

LCS Lab Sample ID: S100107ICPMSW03 Prep Batch ID: P023012

Duplicate LCS ID: S100107ICPMSW03D Level (low/med): LOW

% Solids for LCS: 100 % Solids for Duplicate LCS: 100

Matrix (soil/water): Water Concentration Units: ug/L

Analyte	Control Limits		LCS						Duplicate LCS						
	%R	RPD	Results	C	Added	%R	Q	M	Results	C	Added	%R	Q	M	RPD
Beryllium	80 - 120	20	56.6608		50.0	113		M	59.5167		50.0	119		M	5%

Comments:

9

SAMPLE NO.

ICP SERIAL DILUTIONS

16LCMW04DWFL

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022517

Matrix (soil/water): Water Level (low/med: LOW

Lab Sample ID: CAB37-007L

Analyte	Actual Results (ug/L)			Final Results (ug/L)				%D	Q	M
	Initial Sample(i)	Dilution Sample(S)	IDL	Initial Sample(i)	C	Dilution Sample(S)	C			
Antimony	0.0205	-0.4418	0.0800	0.0560	U	0.280	U			M
Arsenic	1.0990	1.2978	0.0330	1.10		1.30	J	18.1		M
Cadmium	0.2369	0.5678	0.0150	0.237	J	0.568	J	139.7		M
Chromium	0.4461	0.5881	0.0700	2.23	J	3.00	U	31.8		M
Copper	0.6689	0.6857	0.0070	0.669	J	2.60	U	2.5		M
Lead	0.0193	-0.0020	0.0020	0.0750	U	0.375	U	100.0		M
Nickel	2.6555	2.3998	0.0320	2.66		2.40	J	9.6		M
Selenium	0.3127	0.7908	0.1050	0.313	J	0.791	J	152.9		M
Silver	-0.0024	-0.0204	0.0250	0.0850	U	0.425	U			M
Thallium	-0.0010	-0.0117	0.0080	0.0440	U	0.220	U			M
Zinc	2.7841	4.9094	0.0220	2.78	J	9.00	U	76.3	E	M

9

ICP SERIAL DILUTIONS

SAMPLE NO.

16LCMW04DWL

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022587

Matrix (soil/water): Water Level (low/med: LOW

Lab Sample ID: CAB37-003L

Analyte	Actual Results (ug/L)			Final Results (ug/L)				%D	Q	M
	Initial Sample(i)	Dilution Sample(S)	IDL	Initial Sample(i)	C	Dilution Sample(S)	C			
Beryllium	0.0023	-0.0158	0.0200	0.215	U	1.08	U			M

9

ICP SERIAL DILUTIONS

SAMPLE NO.

16LCMW04DWL

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022517

Matrix (soil/water): Water Level (low/med: LOW

Lab Sample ID: CAB37-003L

Analyte	Actual Results (ug/L)			Final Results (ug/L)				%D	Q	M
	Initial Sample(i)	Dilution Sample(S)	IDL	Initial Sample(i)	C	Dilution Sample(S)	C			
Antimony	0.0571	-0.3784	0.0800	0.0571	J	0.280	U			M
Arsenic	1.0269	1.0936	0.0330	1.03		1.09	J	6.5		M
Cadmium	0.1386	0.7565	0.0150	0.139	J	0.757	J	446.0		M
Chromium	0.5025	1.1067	0.0700	2.51	J	5.53	J	120.2		M
Copper	1.0546	1.0004	0.0070	1.05	J	2.60	U	5.1		M
Lead	0.0400	-0.0039	0.0020	0.0750	U	0.375	U	100.0		M
Nickel	1.9720	1.9141	0.0320	1.97		1.91	J	2.9		M
Selenium	0.2369	0.6916	0.1050	0.237	J	0.692	J	192.0		M
Silver	0.0021	-0.0119	0.0250	0.0850	U	0.425	U			M
Thallium	0.0002	-0.0113	0.0080	0.0440	U	0.220	U			M
Zinc	4.4154	7.6870	0.0220	4.42	J	9.00	U	74.1	E	M

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ICP SERIAL DILUTIONS

SAMPLE NO.

16LCMW04DWFL

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022587

Matrix (soil/water): Water Level (low/med: LOW

Lab Sample ID: CAB37-007L

Analyte	Actual Results (ug/L)			Final Results (ug/L)				%D	Q	M
	Initial Sample(i)	Dilution Sample(S)	IDL	Initial Sample(i)	C	Dilution Sample(S)	C			
Beryllium	0.0020	-0.0046	0.0200	0.215	U	1.08	U			M

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INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37

Instrument ID: ICPMS (PE ELAN 6100) Date: 08/18/2004

Analyte	Isotope	A LTL PQL (ug/L)	B LTL PQL (ug/L)	C MDL (ug/L)	D MDL (ug/L)	M
Antimony	121	1	1	0.056	0.056	M
Arsenic	75	1	1	0.1	0.1	M
Beryllium	9	1	1	0.043	0.043	M
Cadmium	111	1	1	0.094	0.094	M
Chromium	52	1	1	0.12	0.12	M
Copper	63	2	2	0.52	0.52	M
Lead	208	1	1	0.075	0.075	M
Nickel	60	1	1	0.11	0.11	M
Selenium	82	1	1	0.11	0.11	M
Silver	107	1	1	0.085	0.085	M
Thallium	205	1	1	0.044	0.044	M
Zinc	66	10	10	1.8	1.8	M

A = Upper Estimated (J Flag) Range in Determination Units
B = Upper Estimated (J Flag) Range in Actual Units
C = Lower Estimated (J Flag) Range in Determination Units
D = Lower Estimated (J Flag) Range in Actual Units

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INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37

Instrument ID: FIMS02(FIMS100) Date: 04/11/2006

Analyte	Isotope	A LTL PQL (ug/L)	B LTL PQL (ug/L)	C MDL (ug/L)	D MDL (ug/L)	M
Mercury		0.2	0.2	0.018	0.018	CV

A = Upper Estimated (J Flag) Range in Determination Units
B = Upper Estimated (J Flag) Range in Actual Units
C = Lower Estimated (J Flag) Range in Determination Units
D = Lower Estimated (J Flag) Range in Actual Units

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ICP LINEAR RANGES (QUARTERLY)

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37

ICP ID Number: ICPMS (PE ELAN 6100) Date: 09/11/2007

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Antimony	0.002	2000.0	M
Arsenic	0.001	2000.0	M
Beryllium	0.002	1000.0	M
Cadmium	0.001	2000.0	M
Chromium	0.001	2000.0	M
Copper	0.001	2000.0	M
Lead	0.001	2000.0	M
Nickel	0.001	2000.0	M
Selenium	0.002	1000.0	M
Silver	0.002	1000.0	M
Thallium	0.001	2000.0	M
Zinc	0.002	1000.0	M

12

ICP LINEAR RANGES (QUARTERLY)

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37

ICP ID Number: FIMS02(FIMS100) Date: 09/21/2007

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Mercury		10.0	CV

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PREPARATION LOG

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Prep Batch ID: P023012

Method: 6020

Client Sample No.	Lab Sample ID	Preparation Date	Initial Volume	Volume (mL)
B100107ICPMSW03	B100107ICPMSW03	10/01/2007	100.0 mL	100
S100107ICPMSW03	S100107ICPMSW03	10/01/2007	100.0 mL	100
S100107ICPMSW03D	S100107ICPMSW03D	10/01/2007	100.0 mL	100
16LCMW04SW	CAB37-002	10/01/2007	100.0 mL	100
16LCMW04DW	CAB37-003	10/01/2007	100.0 mL	100
16LCMW04DWD	CAB37-003D	10/01/2007	100.0 mL	100
16LCMW04DWMS	CAB37-003MS	10/01/2007	100.0 mL	100
16LCMW03DW	CAB37-004	10/01/2007	100.0 mL	100
16LCMW03SW	CAB37-005	10/01/2007	100.0 mL	100
16LCMW04SWF	CAB37-006	10/01/2007	100.0 mL	100
16LCMW04DWF	CAB37-007	10/01/2007	100.0 mL	100
16LCMW04DWFD	CAB37-007D	10/01/2007	100.0 mL	100
16LCMW04DWFMS	CAB37-007MS	10/01/2007	100.0 mL	100
16LCMW03SWF	CAB37-008	10/01/2007	100.0 mL	100
16LCMW03DWF	CAB37-009	10/01/2007	100.0 mL	100

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PREPARATION LOG

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Prep Batch ID: P023230

Method: 7470A

Client Sample No.	Lab Sample ID	Preparation Date	Initial Volume	Volume (mL)
B100807HGW01	B100807HGW01	10/08/2007	50.0 mL	50
S100807HGW01	S100807HGW01	10/08/2007	50.0 mL	50
16LCMW04SW	CAB37-002	10/08/2007	50.0 mL	50
16LCMW04DW	CAB37-003	10/08/2007	50.0 mL	50
16LCMW04DWD	CAB37-003D	10/08/2007	50.0 mL	50
16LCMW04DWMS	CAB37-003MS	10/08/2007	50.0 mL	50
16LCMW03DW	CAB37-004	10/08/2007	50.0 mL	50
16LCMW03SW	CAB37-005	10/08/2007	50.0 mL	50
16LCMW04SWF	CAB37-006	10/08/2007	50.0 mL	50
16LCMW04DWF	CAB37-007	10/08/2007	50.0 mL	50
16LCMW04DWFD	CAB37-007D	10/08/2007	50.0 mL	50
16LCMW04DWFMS	CAB37-007MS	10/08/2007	50.0 mL	50
16LCMW03SWF	CAB37-008	10/08/2007	50.0 mL	50
16LCMW03DWF	CAB37-009	10/08/2007	50.0 mL	50
~~ICB~~	~~ICB~~	~~10/08/2007~~	~~50.0 mL~~	~~50~~

BD 10/17/07

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ANALYSIS RUN LOG

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022517

Instrument ID Number: ICPMS (PE ELAN 6100) Method: 6020

Start Date: 10/11/2007 End Date: 10/11/2007

Client Sample No.	D/F	Time	Analytes																																		
			AG	AL	AS	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TH	TI	TL	U	V	ZN	CN	B	SI
Blank	1	08:01	X		X				X		X	X									X	X	X	X					X			X			
Standard 1	1	08:07	X		X				X		X	X									X	X	X	X					X			X			
Standard 2	1	08:12	X		X				X		X	X									X	X	X	X					X			X			
Standard 3	1	08:17	X		X				X		X	X									X	X	X	X					X			X			
Standard 4	1	08:22	X		X				X		X	X									X	X	X	X					X			X			
Standard 5	1	08:27	X		X				X		X	X									X	X	X	X					X			X			
ICV	1	08:33	X		X				X		X	X									X	X	X	X					X			X			
ICB	1	08:36	X		X				X		X	X									X	X	X	X					X			X			
CRI	1	08:40	X		X				X		X	X									X	X	X	X					X			X			
ICSA	1	08:44	X		X				X		X	X									X	X	X	X					X			X			
ICSAB	1	08:47	X		X				X		X	X									X	X	X	X					X			X			
zzzzzz1	1	08:51																																			
CCV1	1	08:55	X		X				X		X	X									X	X	X	X					X			X			
CCB1	1	08:59	X		X				X		X	X									X	X	X	X					X			X			
zzzzzz2	1	09:09																																			
zzzzzz3	1	09:13																																			
zzzzzz4	1	09:18																																			
zzzzzz5	1	09:22																																			
zzzzzz6	1	09:26																																			
zzzzzz7	1	09:31																																			
zzzzzz8	1	09:35																																			
zzzzzz9	1	09:39																																			
zzzzzz10	1	09:44																																			
CCV2	1	09:48	X		X				X		X	X									X	X	X	X					X			X			
CCB2	1	09:52	X		X				X		X	X									X	X	X	X					X			X			
zzzzzz11	1	09:57																																			
zzzzzz12	1	10:01																																			

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ANALYSIS RUN LOG

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022517

Instrument ID Number: ICPMS (PE ELAN 6100) Method: 6020

Start Date: 10/11/2007 End Date: 10/11/2007

Client Sample No.	D/F	Time	Analytes																																			
			AG	AL	AS	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TH	TI	TL	U	V	ZN	CN	B	SI			
zzzzzz13	1	10:05																																				
zzzzzz14	1	10:10																																				
zzzzzz15	1	10:14																																				
zzzzzz16	1	10:19																																				
CCV3	1	10:23	X		X				X		X	X									X	X	X	X					X			X						
CCB3	1	10:27	X		X				X		X	X									X	X	X	X					X			X						
zzzzzz17	1	10:44																																				
CCV4	1	10:49	X		X				X		X	X									X	X	X	X					X			X						
CCB4	1	10:58	X		X				X		X	X									X	X	X	X					X			X						
zzzzzz18	1	11:06																																				
zzzzzz19	1	11:10																																				
zzzzzz20	1	11:14																																				
zzzzzz21	1	11:19																																				
zzzzzz22	1	11:23																																				
zzzzzz23	1	11:27																																				
zzzzzz24	1	11:32																																				
zzzzzz25	1	11:36																																				
zzzzzz26	1	11:41																																				
zzzzzz27	1	11:45																																				
CCV5	1	11:49	X		X				X		X	X									X	X	X	X					X			X						
CCB5	1	11:54	X		X				X		X	X									X	X	X	X					X			X						
zzzzzz28	1	11:58																																				
zzzzzz29	1	12:02																																				
zzzzzz30	1	12:07																																				
zzzzzz31	1	12:11																																				
zzzzzz32	1	12:15																																				
zzzzzz33	1	12:25																																				

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ANALYSIS RUN LOG

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022517

Instrument ID Number: ICPMS (PE ELAN 6100) Method: 6020

Start Date: 10/11/2007 End Date: 10/11/2007

Client Sample No.	D/F	Time	Analytes																																		
			AG	AL	AS	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TH	TI	TL	U	V	ZN	CN	B	SI
zzzzzz34	1	12:29																																			
CCV6	1	12:43	X		X				X		X	X									X	X	X	X					X			X					
CCB6	1	12:47	X		X				X		X	X									X	X	X	X					X			X					
zzzzzz35	1	12:51																																			
zzzzzz36	1	12:56																																			
zzzzzz37	1	13:00																																			
zzzzzz38	1	13:04																																			
zzzzzz39	1	13:09																																			
zzzzzz40	1	13:13																																			
zzzzzz41	1	13:18																																			
CCV7	1	13:22	X		X				X		X	X									X	X	X	X					X			X					
CCB7	1	13:26	X		X				X		X	X									X	X	X	X					X			X					
zzzzzz42	1	13:39																																			
zzzzzz43	1	13:44																																			
zzzzzz44	1	13:48																																			
zzzzzz45	1	13:52																																			
zzzzzz46	1	13:57																																			
zzzzzz47	1	14:01																																			
zzzzzz48	1	14:05																																			
zzzzzz49	1	14:10																																			
zzzzzz50	1	14:14																																			
zzzzzz51	1	14:19																																			
CCV8	1	14:23	X		X				X		X	X									X	X	X	X					X			X					
CCB8	1	14:27	X		X				X		X	X									X	X	X	X					X			X					
zzzzzz52	1	14:31																																			
zzzzzz53	1	14:36																																			
zzzzzz54	1	14:40																																			

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ANALYSIS RUN LOG

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022517

Instrument ID Number: ICPMS (PE ELAN 6100) Method: 6020

Start Date: 10/11/2007 End Date: 10/11/2007

Client Sample No.	D/F	Time	Analytes																																		
			AG	AL	AS	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TH	TI	TL	U	V	ZN	CN	B	SI
zzzzzz55	1	14:45																																			
zzzzzz56	1	14:49																																			
zzzzzz57	1	14:53																																			
zzzzzz58	1	14:58																																			
zzzzzz59	1	15:02																																			
zzzzzz60	1	15:06																																			
zzzzzz61	1	15:15																																			
CCV9	1	15:20	X		X				X		X	X									X	X	X	X					X			X					
CCB9	1	15:24	X		X				X		X	X									X	X	X	X					X			X					
zzzzzz62	1	15:28																																			
zzzzzz63	1	15:33																																			
zzzzzz64	1	15:37																																			
zzzzzz65	1	15:42																																			
zzzzzz66	1	15:46																																			
zzzzzz67	1	15:50																																			
zzzzzz68	1	15:55																																			
zzzzzz69	1	15:59																																			
zzzzzz70	1	16:03																																			
CCV10	1	16:08	X		X				X		X	X									X	X	X	X					X			X					
CCB10	1	16:16	X		X				X		X	X									X	X	X	X					X			X					
B100107ICPMSW03	1	16:20	X		X				X		X	X									X	X	X	X					X			X					
S100107ICPMSW03	1	16:24	X		X				X		X	X									X	X	X	X					X			X					
S100107ICPMSW03D	1	16:29	X		X				X		X	X									X	X	X	X					X			X					
16LCMW04SW	5	16:33									X																										
16LCMW04DW	5	16:37									X																										
16LCMW04DWL	25	16:42									X																										
16LCMW04DWD	5	16:46									X																										

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ANALYSIS RUN LOG

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022517

Instrument ID Number: ICPMS (PE ELAN 6100) Method: 6020

Start Date: 10/11/2007 End Date: 10/11/2007

Client Sample No.	D/F	Time	Analytes																																		
			AG	AL	AS	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TH	TI	TL	U	V	ZN	CN	B	SI		
16LCMW04DWMS	5	16:50									X																										
16LCMW04DWP	5	16:55									X																										
CCV11	1	16:59	X		X				X		X	X									X	X	X	X					X			X					
CCB11	1	17:03	X		X				X		X	X									X	X	X	X					X			X					
16LCMW03DW	5	17:08									X																										
16LCMW03SW	5	17:12									X																										
16LCMW04SWF	5	17:16									X																										
16LCMW04DWF	5	17:21									X																										
16LCMW04DWFL	25	17:25									X																										
16LCMW04DWFD	5	17:30									X																										
16LCMW04DWFMS	5	17:34									X																										
16LCMW04DWFP	5	17:38									X																										
16LCMW03SWF	5	17:43									X																										
16LCMW03DWF	5	17:47									X																										
CCV12	1	17:51	X		X				X		X	X									X	X	X	X					X			X					
CCB12	1	17:55	X		X				X		X	X									X	X	X	X					X			X					
16LCMW04SW	1	18:00	X		X				X			X									X	X	X	X					X			X					
16LCMW04DW	1	18:04	X		X				X			X									X	X	X	X					X			X					
16LCMW04DWL	5	18:08	X		X				X			X									X	X	X	X					X			X					
16LCMW04DWD	1	18:13	X		X				X			X									X	X	X	X					X			X					
16LCMW04DWMS	1	18:17	X		X				X			X									X	X	X	X					X			X					
16LCMW04DWP	1	18:21	X		X				X			X									X	X	X	X					X			X					
zzzzzz71	1	18:26																																			
zzzzzz72	1	18:30																																			
CCV13	1	18:34	X		X				X		X	X									X	X	X	X					X			X					
CCB13	1	18:39	X		X				X		X	X									X	X	X	X					X			X					
16LCMW03DW	1	18:43	X		X				X			X									X	X	X	X					X			X					

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ANALYSIS RUN LOG

Lab Name: Laucks Laboratories

Contract:

Lab Code: LAUCKS SDG No.: CAB37

Run Sequence ID: R022517

Instrument ID Number: ICPMS (PE ELAN 6100)

Method: 6020

Start Date: 10/11/2007

End Date: 10/11/2007

Client Sample No.	D/F	Time	Analytes																																				
			AG	AL	AS	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TH	TI	TL	U	V	ZN	CN	B	SI				
16LCMW03SW	1	18:47	X		X				X			X									X	X	X	X					X			X							
16LCMW04SWF	1	18:52	X		X				X			X									X	X	X	X					X			X							
16LCMW04DWF	1	18:56	X		X				X			X									X	X	X	X					X			X							
16LCMW04DWFL	5	19:00	X		X				X			X									X	X	X	X					X			X							
16LCMW04DWFD	1	19:05	X		X				X			X									X	X	X	X					X			X							
16LCMW04DWFMS	1	19:09	X		X				X			X									X	X	X	X					X			X							
16LCMW04DWFP	1	19:14	X		X				X			X									X	X	X	X					X			X							
16LCMW03SWF	1	19:18	X		X				X			X									X	X	X	X					X			X							
16LCMW03DWF	1	19:22	X		X				X			X									X	X	X	X					X			X							
CCV14	1	19:27	X		X				X		X	X									X	X	X	X					X			X							
CCB14	1	19:31	X		X				X		X	X									X	X	X	X					X			X							

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ANALYSIS RUN LOG

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022587

Instrument ID Number: ICPMS (PE ELAN 6100) Method: 6020

Start Date: 10/16/2007 End Date: 10/16/2007

Client Sample No.	D/F	Time	Analytes																																				
			AG	AL	AS	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TH	TI	TL	U	V	ZN	CN	B	SI				
Blank	1	12:36					X																																
Standard 1	1	12:41					X																																
Standard 2	1	12:47					X																																
Standard 3	1	12:52					X																																
Standard 4	1	12:57					X																																
Standard 5	1	13:02					X																																
ICV	1	13:07					X																																
ICB	1	13:11					X																																
CRI	1	13:15					X																																
ICSA	1	13:19					X																																
ICSAB	1	13:22					X																																
zzzzzz1	1	13:26																																					
CCV1	1	13:30					X																																
CCB1	1	13:34					X																																
B100107ICPMSW03	1	13:39					X																																
S100107ICPMSW03	1	13:43					X																																
S100107ICPMSW03D	1	13:47					X																																
16LCMW04SW	5	13:52					X																																
16LCMW04DW	5	13:56					X																																
16LCMW04DWL	25	14:00					X																																
16LCMW04DWD	5	14:05					X																																
16LCMW04DWMS	5	14:09					X																																
16LCMW04DWP	5	14:13					X																																
CCV2	1	14:18					X																																
CCB2	1	14:22					X																																
zzzzzz2	1	14:26																																					
zzzzzz3	1	14:31																																					

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ANALYSIS RUN LOG

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022587

Instrument ID Number: ICPMS (PE ELAN 6100) Method: 6020

Start Date: 10/16/2007 End Date: 10/16/2007

Client Sample No.	D/F	Time	Analytes																																			
			AG	AL	AS	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TH	TI	TL	U	V	ZN	CN	B	SI			
CCV3	1	14:45					X																															
CCB3	1	14:49					X																															
16LCMW03DW	5	14:53					X																															
16LCMW03SW	5	14:58					X																															
16LCMW04SWF	5	15:02					X																															
16LCMW04DWF	5	15:06					X																															
16LCMW04DWFL	25	15:11					X																															
16LCMW04DWFD	5	15:15					X																															
16LCMW04DWFMS	5	15:19					X																															
16LCMW04DWFP	5	15:24					X																															
16LCMW03SWF	5	15:28					X																															
16LCMW03DWF	5	15:32					X																															
CCV4	1	15:37					X																															
CCB4	1	15:41					X																															

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ANALYSIS RUN LOG

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB37 Run Sequence ID: R022243

Instrument ID Number: FIMS02(FIMS100) Method: 7470A

Start Date: 10/08/2007 End Date: 10/08/2007

Client Sample No.	D/F	Time	Analytes																																				
			AG	AL	AS	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TH	TI	TL	U	V	ZN	CN	B	SI					
Calib Blank	1	13:16												X																										
S0.2	1	13:19												X																										
S0.5	1	13:21												X																										
S1.0	1	13:23												X																										
S2.0	1	13:26												X																										
S5.0	1	13:28												X																										
S10.0	1	13:31												X																										
ICV	1	13:33												X																										
ICB	1	13:35												X																										
CRA	1	13:38												X																										
S100807HGW01	1	13:40												X																										
B100807HGW01	1	13:42												X																										
zzzzzz	1	13:45																																						
16LCMW04SW	1	13:47												X																										
16LCMW04DW	1	13:50												X																										
16LCMW04DWD	1	13:52												X																										
16LCMW04DWMS	1	13:55												X																										
16LCMW03DW	1	13:57												X																										
16LCMW03SW	1	13:59												X																										
CCV1	1	14:02												X																										
CCB1	1	14:04												X																										
16LCMW04SWF	1	14:06												X																										
16LCMW04DWF	1	14:09												X																										
16LCMW04DWFD	1	14:11												X																										
16LCMW04DWFMS	1	14:14												X																										
16LCMW03SWF	1	14:16												X																										
16LCMW03DWF	1	14:18												X																										

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ANALYSIS RUN LOG

Lab Name: Laucks Laboratories

Contract:

Lab Code: LAUCKS SDG No.: CAB37

Run Sequence ID: R022243

Instrument ID Number:

Method: 7470A

Start Date: 10/08/2007

End Date: 10/08/2007

Client Sample No.	D/F	Time	Analytes																																		
			AG	AL	AS	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TH	TI	TL	U	V	ZN	CN	B	SI		
zzzzzz	1	14:21																																			
zzzzzz	1	14:23																																			
zzzzzz	1	14:25																																			
CCV2	1	14:28												X																							
CCB2	1	14:30												X																							

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FORMS SUMMARY

CAB37

Miscellaneous Inorganics

Laucks Testing Laboratories, Inc.

Final Results

Client: PBS Engineering and Environmental
Project: Camp Bonneville
SDG Number: CAB37
Sample Number: 16LCMW04SW
Date/Time Collected: 09/19/2007 10:15
Lab Sample ID: CAB37-002
Date/Time Received: 09/20/2007 09:15
Method: E150.1
Unit: pH Units

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
pH	pH	1	6.3		0.10	0.10	09/20/2007	09/20/2007	R021756

Method: E160.2
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Suspended Solids, Total	TSS	1	2.0	U	2.0	2.0	09/20/2007	09/26/2007	R021750

Method: E300.0
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Nitrate - N	14797-55-8	1	0.81		0.20	0.055	09/20/2007	09/20/2007	R021757
Nitrite - N	14797-65-0	1	0.10	U	0.10	0.017	09/20/2007	09/20/2007	R021757
Sulfate as SO4	14808-79-8	1	1.0	U	1.0	0.17	09/20/2007	09/20/2007	R021757
Chloride	16887-00-6	1	2.2		1.0	0.076	09/20/2007	09/20/2007	R021757

Method: E310.1
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Alkalinity, Carbonate (As CaCO3)	3812-32-6	4	8	U	8	8	10/03/2007	10/03/2007	R022117
Alkalinity, Bicarbonate (As CaCO3)	71-52-3	4	40		8	8	10/03/2007	10/03/2007	R022117

Method: E314.0
Unit: ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	1	1.0	U	1.0	0.14	09/24/2007	09/25/2007	R021825

Method: E415.1
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Organic Carbon, Total	TOC	1	1.0	U	1.0	0.070	10/05/2007	10/05/2007	R022200

Laucks Testing Laboratories, Inc.

Final Results

Client: PBS Engineering and Environmental
Project: Camp Bonneville
SDG Number: CAB37
Sample Number: 16LCMW04DW
Date/Time Collected: 09/19/2007 12:00
Lab Sample ID: CAB37-003
Date/Time Received: 09/20/2007 09:15
Method: E150.1
Unit: pH Units

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
pH	pH	1	7.1		0.10	0.10	09/20/2007	09/20/2007	R021756

Method: E160.2
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Suspended Solids, Total	TSS	1	2.0	U	2.0	2.0	09/20/2007	09/26/2007	R021750

Method: E300.0
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Nitrate - N	14797-55-8	1	0.20	U	0.20	0.055	09/20/2007	09/20/2007	R021757
Nitrite - N	14797-65-0	1	0.10	U	0.10	0.017	09/20/2007	09/20/2007	R021757
Sulfate as SO4	14808-79-8	1	1.5		1.0	0.17	09/20/2007	09/20/2007	R021757
Chloride	16887-00-6	1	1.6		1.0	0.076	09/20/2007	09/20/2007	R021757

Method: E310.1
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Alkalinity, Carbonate (As CaCO3)	3812-32-6	4	8	U	8	8	10/03/2007	10/03/2007	R022117
Alkalinity, Bicarbonate (As CaCO3)	71-52-3	4	56		8	8	10/03/2007	10/03/2007	R022117

Method: E314.0
Unit: ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	1	1.0	U	1.0	0.14	09/24/2007	09/25/2007	R021825

Method: E415.1
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Organic Carbon, Total	TOC	1	1.0	U	1.0	0.070	10/05/2007	10/05/2007	R022200

Laucks Testing Laboratories, Inc.

Final Results

Client: PBS Engineering and Environmental
Project: Camp Bonneville
SDG Number: CAB37
Sample Number: 16LCMW03DW
Date/Time Collected: 09/19/2007 15:15
Lab Sample ID: CAB37-004
Date/Time Received: 09/20/2007 09:15
Method: E150.1
Unit: pH Units

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
pH	pH	1	6.8		0.10	0.10	09/20/2007	09/20/2007	R021756

Method: E160.2
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Suspended Solids, Total	TSS	1	2.0	U	2.0	2.0	09/20/2007	09/26/2007	R021750

Method: E300.0
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Nitrate - N	14797-55-8	1	0.30		0.20	0.055	09/20/2007	09/20/2007	R021757
Nitrite - N	14797-65-0	1	0.10	U	0.10	0.017	09/20/2007	09/20/2007	R021757
Sulfate as SO4	14808-79-8	1	1.0	U	1.0	0.17	09/20/2007	09/20/2007	R021757
Chloride	16887-00-6	1	1.5		1.0	0.076	09/20/2007	09/20/2007	R021757

Method: E310.1
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Alkalinity, Carbonate (As CaCO3)	3812-32-6	4	8	U	8	8	10/03/2007	10/03/2007	R022117
Alkalinity, Bicarbonate (As CaCO3)	71-52-3	4	44		8	8	10/03/2007	10/03/2007	R022117

Method: E314.0
Unit: ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	1	1.0	U	1.0	0.14	09/24/2007	09/25/2007	R021825

Method: E415.1
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Organic Carbon, Total	TOC	1	1.0	U	1.0	0.070	10/05/2007	10/05/2007	R022200

Laucks Testing Laboratories, Inc.

Final Results

Client: PBS Engineering and Environmental
Project: Camp Bonneville
SDG Number: CAB37
Sample Number: 16LCMW03SW
Date/Time Collected: 09/19/2007 16:40
Lab Sample ID: CAB37-005
Date/Time Received: 09/20/2007 09:15
Method: E150.1
Unit: pH Units

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
pH	pH	1	6.8		0.10	0.10	09/20/2007	09/20/2007	R021756

Method: E160.2
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Suspended Solids, Total	TSS	1	2.0	U	2.0	2.0	09/20/2007	09/26/2007	R021750

Method: E300.0
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Nitrate - N	14797-55-8	1	0.27		0.20	0.055	09/20/2007	09/20/2007	R021757
Nitrite - N	14797-65-0	1	0.10	U	0.10	0.017	09/20/2007	09/20/2007	R021757
Sulfate as SO4	14808-79-8	1	1.0	U	1.0	0.17	09/20/2007	09/20/2007	R021757
Chloride	16887-00-6	1	1.3		1.0	0.076	09/20/2007	09/20/2007	R021757

Method: E310.1
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Alkalinity, Carbonate (As CaCO3)	3812-32-6	4	8	U	8	8	10/03/2007	10/03/2007	R022117
Alkalinity, Bicarbonate (As CaCO3)	71-52-3	4	44		8	8	10/03/2007	10/03/2007	R022117

Method: E314.0
Unit: ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	1	1.0	U	1.0	0.14	09/24/2007	09/25/2007	R021825

Method: E415.1
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Organic Carbon, Total	TOC	1	1.0	U	1.0	0.070	10/05/2007	10/05/2007	R022200

Laucks Testing Laboratories, Inc.

Final Results

Client:	PBS Engineering and Environmental	**Project:**	Camp Bonneville
SDG Number:	CAB37		
Sample Number:	16LCMW04SWF	**Date/Time Collected:**	09/19/2007 10:15
Lab Sample ID:	CAB37-006	**Date/Time Received:**	09/20/2007 09:15
Method:	E415.1	**Unit:**	mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Dissolved Organic Carbon	DOC	1	1.0	U	1.0	1.0	10/05/2007	10/05/2007	R022200

Laucks Testing Laboratories, Inc.

Final Results

Client:	PBS Engineering and Environmental	**Project:**	Camp Bonneville
SDG Number:	CAB37		
Sample Number:	16LCMW04DWF	**Date/Time Collected:**	09/19/2007 12:00
Lab Sample ID:	CAB37-007	**Date/Time Received:**	09/20/2007 09:15
Method:	E415.1	**Unit:**	mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Dissolved Organic Carbon	DOC	1	1.0	U	1.0	1.0	10/05/2007	10/05/2007	R022200

Laucks Testing Laboratories, Inc.

Final Results

Client:	PBS Engineering and Environmental	**Project:**	Camp Bonneville
SDG Number:	CAB37		
Sample Number:	16LCMW03SWF	**Date/Time Collected:**	09/19/2007 16:40
Lab Sample ID:	CAB37-008	**Date/Time Received:**	09/20/2007 09:15
Method:	E415.1	**Unit:**	mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Dissolved Organic Carbon	DOC	1	1.0	U	1.0	1.0	10/05/2007	10/05/2007	R022200

Laucks Testing Laboratories, Inc.

Final Results

Client:	PBS Engineering and Environmental	**Project:**	Camp Bonneville
SDG Number:	CAB37		
Sample Number:	16LCMW03DWF	**Date/Time Collected:**	09/19/2007 15:15
Lab Sample ID:	CAB37-009	**Date/Time Received:**	09/20/2007 09:15
Method:	E415.1	**Unit:**	mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Dissolved Organic Carbon	DOC	1	1.0	U	1.0	1.0	10/05/2007	10/05/2007	R022200

Laucks Testing Laboratories, Inc.

INITIAL AND CONTINUING CALIBRATION VERIFICATION

SDG No: CAB37 Contract:

Run Sequence No. R021757 Concentration Units: mg/L

Determination Name: 300.0 NO3, NO2, Cl, SO4

Initial Calibration Source: IC-7-25-5

Continuing Calbration Source: IC-7-26-5

Analyte	ICV 09/20/2007 17:35				CCV1 09/20/07 20:45						CCV
	True	Found	Recovery	Limits	True	Found	Recovery	True	Found	Recovery	Limits
Chloride	1.510	1.42	94	90-110	5.023	4.781	95.2				90-110
Nitrate - N	1.152	1.148	99.6	90-110	2.004	1.931	96.4				90-110
Nitrite - N	1.513	1.611	106.5	90-110	1.000	0.979	97.8				90-110
Sulfate as SO4	7.500	7.5	100	90-110	10.018	9.672	96.5				90-110

* = Percent recovery not within control limits

Laucks Testing Laboratories, Inc.

INITIAL AND CONTINUING CALIBRATION VERIFICATION

SDG No: CAB37 Contract:

Run Sequence No. R021825 Concentration Units: ug/L

Determination Name: 314.0 Perchlorate

Initial Calibration Source: IC-7-26-11

Continuing Calbration Source: IC-7-26-13

Analyte	ICV 09/25/2007 9:30				CCV1 09/25/07 09:30			CCV2 09/25/07 09:30			CCV
	True	Found	Recovery	Limits	True	Found	Recovery	True	Found	Recovery	Limits
Perchlorate	40.151	40.588	101.1	75-125	9.988	9.261	92.7	9.988	9.031	90.4	85-115

* = Percent recovery not within control limits

Laucks Testing Laboratories, Inc.

INITIAL AND CONTINUING CALIBRATION VERIFICATION

SDG No: CAB37 Contract:

Run Sequence No. R021825 Concentration Units: ug/L

Determination Name: 314.0 Perchlorate

Initial Calibration Source: IC-7-26-11

Continuing Calbration Source: IC-7-26-13

Analyte					CCV3 09/25/07 09:30						CCV
	True	Found	Recovery	Limits	True	Found	Recovery	True	Found	Recovery	Limits
Perchlorate					9.988	9.444	94.6				85-115

* = Percent recovery not within control limits

Laucks Testing Laboratories, Inc.

INITIAL AND CONTINUING CALIBRATION VERIFICATION

SDG No: CAB37 Contract:

Run Sequence No. R022200 Concentration Units: mg/L

Determination Name: 415.1 Total Organic Carbon

Initial Calibration Source: TOC-4-31-13

Continuing Calbration Source: TOC-4-29-20

Analyte	ICV 10/05/2007 14:20				CCV01 10/05/07 14:20			CCV02 10/05/07 14:20			CCV
	True	Found	Recovery	Limits	True	Found	Recovery	True	Found	Recovery	Limits
Organic Carbon, Total	10.000	9.02	90.2	90-110	5.001	4.74	94.8	5.001	4.74	94.8	90-110

* = Percent recovery not within control limits

Laucks Testing Laboratories, Inc.

INITIAL AND CONTINUING CALIBRATION VERIFICATION

SDG No: CAB37 Contract:

Run Sequence No. R022200 Concentration Units: mg/L

Determination Name: 415.1 Dissolved Organic Carbon

Initial Calibration Source: TOC-4-31-13

Continuing Calbration Source: TOC-4-29-20

Analyte	ICV 10/05/2007 14:20				CCV01 10/05/07 14:20			CCV02 10/05/07 14:20			CCV
	True	Found	Recovery	Limits	True	Found	Recovery	True	Found	Recovery	Limits
Dissolved Organic Carbon	10.000	9.02	90.2	90-110	5.001	4.74	94.8	5.001	4.74	94.8	90-110

* = Percent recovery not within control limits

Laucks Testing Laboratories, Inc.

INITIAL AND CONTINUING CALIBRATION BLANKS

SDG No: **CAB37** Contract:

Run	Determination	Sample	Analyzed	Analyte	Result	Unit	Limit
R021757	300.0 NO3, NO2, Cl, SO4	ICB	09/20/2007	Chloride	1.0 U	mg/L	0.500000
	300.0 NO3, NO2, Cl, SO4	CCB1	09/20/2007	Chloride	1.0 U	mg/L	0.500000
	300.0 NO3, NO2, Cl, SO4	ICB	09/20/2007	Nitrate - N	0.20 U	mg/L	0.100000
	300.0 NO3, NO2, Cl, SO4	CCB1	09/20/2007	Nitrate - N	0.20 U	mg/L	0.100000
	300.0 NO3, NO2, Cl, SO4	ICB	09/20/2007	Nitrite - N	0.10 U	mg/L	0.050000
	300.0 NO3, NO2, Cl, SO4	CCB1	09/20/2007	Nitrite - N	0.10 U	mg/L	0.050000
	300.0 NO3, NO2, Cl, SO4	ICB	09/20/2007	Sulfate as SO4	1.0 U	mg/L	0.500000
	300.0 NO3, NO2, Cl, SO4	CCB1	09/20/2007	Sulfate as SO4	1.0 U	mg/L	0.500000
R021825	314.0 Perchlorate	ICB	09/25/2007	Perchlorate	1.0 U	ug/L	0.500000
	314.0 Perchlorate	CCB1	09/25/2007	Perchlorate	1.0 U	ug/L	0.500000
	314.0 Perchlorate	CCB2	09/25/2007	Perchlorate	1.0 U	ug/L	0.500000
	314.0 Perchlorate	CCB3	09/25/2007	Perchlorate	1.0 U	ug/L	0.500000
R022200	415.1 Dissolved Organic Carbon	ICB	10/05/2007	Dissolved Organic Carbon	1.0 U	mg/L	0.500000
	415.1 Dissolved Organic Carbon	CCB01	10/05/2007	Dissolved Organic Carbon	1.0 U	mg/L	0.500000
	415.1 Dissolved Organic Carbon	CCB02	10/05/2007	Dissolved Organic Carbon	1.0 U	mg/L	0.500000
	415.1 Total Organic Carbon	ICB	10/05/2007	Organic Carbon, Total	1.0 U	mg/L	0.500000
	415.1 Total Organic Carbon	CCB01	10/05/2007	Organic Carbon, Total	1.0 U	mg/L	0.500000
	415.1 Total Organic Carbon	CCB02	10/05/2007	Organic Carbon, Total	1.0 U	mg/L	0.500000

* = Control limit exceeded

Laucks Testing Labs

Blank Report

Test:	310.1M Carb./Bicarb. Alkalinity	SDG ID:	CAB37
		Preparation Date:	10/3/2007
Lab Sample ID:	B100307ALKW01	Run Sequence ID:	R022117
		Analysis Date:	10/03/2007 14:30
		Units:	mg/L
		Matrix:	Water

Analyte	Reported	Flag	Limit
Alkalinity, Bicarbonate (As CaCO3)	2	U	2
Alkalinity, Carbonate (As CaCO3)	2	U	2

Associated Samples	
Lab Sample ID	**Client Sample ID**
CAB37-002	16LCMW04SW
CAB37-003	16LCMW04DW
CAB37-004	16LCMW03DW
CAB37-005	16LCMW03SW

* Measured blank concentration exceeded the established control limit

Laucks Testing Labs

Blank Report

Test:	300.0 NO3, NO2, Cl, SO4	SDG ID:	CAB37
		Preparation Date:	9/20/2007
Lab Sample ID:	B092007IAIW01	Run Sequence ID:	R021757
		Analysis Date:	09/20/2007 17:51
		Units:	mg/L
		Matrix:	Water

Analyte	Reported	Flag	Limit
Chloride	1.0	U	0.5
Nitrate - N	0.20	U	0.1
Nitrite - N	0.10	U	0.05
Sulfate as SO4	1.0	U	0.5

Associated Samples	
Lab Sample ID	**Client Sample ID**
CAB37-002	16LCMW04SW
CAB37-003	16LCMW04DW
CAB37-004	16LCMW03DW
CAB37-005	16LCMW03SW

* Measured blank concentration exceeded the established control limit

Laucks Testing Labs

Blank Report

Test:	314.0 Perchlorate	SDG ID:	CAB37
		Preparation Date:	9/24/2007
Lab Sample ID:	B092407PERW01	Run Sequence ID:	R021825
		Analysis Date:	09/25/2007 09:30
		Units:	ug/L
		Matrix:	Water

Analyte	Reported	Flag	Limit
Perchlorate	1.0	U	0.5

Associated Samples	
Lab Sample ID	Client Sample ID
CAB37-002	16LCMW04SW
CAB37-003	16LCMW04DW
CAB37-004	16LCMW03DW
CAB37-005	16LCMW03SW

* Measured blank concentration exceeded the established control limit

Laucks Testing Labs

Blank Report

Test:	415.1 Total Organic Carbon	SDG ID:	CAB37
		Preparation Date:	10/5/2007
Lab Sample ID:	B100507TOCW01	Run Sequence ID:	R022200
		Analysis Date:	10/05/2007 14:20
		Units:	mg/L
		Matrix:	Water

Analyte	Reported	Flag	Limit
Organic Carbon, Total	1.0	U	0.5

Associated Samples	
Lab Sample ID	Client Sample ID
CAB37-002	16LCMW04SW
CAB37-003	16LCMW04DW
CAB37-004	16LCMW03DW
CAB37-005	16LCMW03SW
CAB37-006	16LCMW04SWF
CAB37-007	16LCMW04DWF
CAB37-008	16LCMW03SWF
CAB37-009	16LCMW03DWF

* Measured blank concentration exceeded the established control limit

Laucks Testing Labs

Blank Report

Test:	415.1 Dissolved Organic Carbon	SDG ID:	CAB37
		Preparation Date:	10/5/2007
Lab Sample ID:	B100507TOCW01	Run Sequence ID:	R022200
		Analysis Date:	10/05/2007 14:20
		Units:	mg/L
		Matrix:	Water

Analyte	Reported	Flag	Limit
Dissolved Organic Carbon	1.0	U	0.5

Associated Samples

Lab Sample ID	Client Sample ID
CAB37-002	16LCMW04SW
CAB37-003	16LCMW04DW
CAB37-004	16LCMW03DW
CAB37-005	16LCMW03SW
CAB37-006	16LCMW04SWF
CAB37-007	16LCMW04DWF
CAB37-008	16LCMW03SWF
CAB37-009	16LCMW03DWF

* Measured blank concentration exceeded the established control limit

Laucks Testing Labs

Blank Report

Test:	160.2 Total Suspended Solids	SDG ID:	CAB37
		Preparation Date:	9/20/2007
Lab Sample ID:	B092007TSSW01	Run Sequence ID:	R021750
		Analysis Date:	09/20/2007 15:00
		Units:	mg/L
		Matrix:	Water

Analyte	Reported	Flag	Limit
Suspended Solids, Total	2.0	U	2

Associated Samples	
Lab Sample ID	**Client Sample ID**
CAB37-002	16LCMW04SW
CAB37-003	16LCMW04DW
CAB37-004	16LCMW03DW
CAB37-005	16LCMW03SW

* Measured blank concentration exceeded the established control limit

Laucks Testing Laboratories

Matrix Spike/Matrix Spike Duplicate Report

Test:	300.0 NO3, NO2, Cl, SO4	SDG ID:	CAB37
		Preparation Date:	09/20/2007
MS Lab Sample ID:	CAB37-003MS 10X	Run Sequence ID:	R021757
MSD Lab Sample ID:	CAB37-003MSD 10X	Analysis Date:	09/20/2007
Client Sample ID:	16LCMW04DW	Units:	mg/L
		Matrix:	Water

Analyte	Sample Found	MS Spike	MS Found	MS Recovery	MSD Spike	MSD Found	MSD Recovery	RPD	Limits	
									Recovery	RPD
Chloride	1.5785	20.1	22.4098	104%	20.1	21.183	98%	6%	90-110	11
Nitrate - N	0.1772	8.02	8.2374	101%	8.02	8.1308	99%	1%	90-110	10
Nitrite - N	0	4.00	3.9535	99%	4.00	3.9794	99%	1%	90-110	10
Sulfate as SO4	1.4629	40.1	40.9282	98%	40.1	41.7785	101%	2%	90-110	10

Associated Samples	
Lab Sample ID	Client Sample ID
CAB37-002	16LCMW04SW
CAB37-003	16LCMW04DW
CAB37-004	16LCMW03DW
CAB37-005	16LCMW03SW

* = RPD or percent recovery is outside established control limits

= This RPD or percent recovery is not flagged as an exceedence because the Sample Found amount is five times or more than the Spike Added amount.

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

Laucks Testing Laboratories

Matrix Spike/Matrix Spike Duplicate Report

Test:	314.0 Perchlorate	SDG ID:	CAB37
		Preparation Date:	09/24/2007
MS Lab Sample ID:	CAB37-003MS 2X	Run Sequence ID:	R021825
MSD Lab Sample ID:	CAB37-003MSD 2X	Analysis Date:	09/25/2007
Client Sample ID:	16LCMW04DW	Units:	ug/L
		Matrix:	Water

Analyte	Sample Found	MS Spike	MS Found	MS Recovery	MSD Spike	MSD Found	MSD Recovery	RPD	Limits	
									Recovery	RPD
Perchlorate	0	40.0	36.794	92%	40.0	37.862	95%	2%	80-120	15

Associated Samples	
Lab Sample ID	Client Sample ID
CAB37-002	16LCMW04SW
CAB37-003	16LCMW04DW
CAB37-004	16LCMW03DW
CAB37-005	16LCMW03SW

* = RPD or percent recovery is outside established control limits

= This RPD or percent recovery is not flagged as an exceedence because the Sample Found amount is five times or more than the Spike Added amount.

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

Laucks Testing Laboratories

Matrix Spike/Matrix Spike Duplicate Report

Test:	415.1 Total Organic Carbon	SDG ID:	CAB37
		Preparation Date:	10/05/2007
MS Lab Sample ID:	CAB37-003MS	Run Sequence ID:	R022200
MSD Lab Sample ID:	CAB37-003MSD	Analysis Date:	10/05/2007
Client Sample ID:	16LCMW04DW	Units:	mg/L
		Matrix:	Water

Analyte	Sample Found	MS Spike	MS Found	MS Recovery	MSD Spike	MSD Found	MSD Recovery	RPD	Limits	
									Recovery	RPD
Organic Carbon, Total	0.083	10.0	10.5931	105%	10.0	8.5501	85%	21%*	70-119	11

Associated Samples	
Lab Sample ID	Client Sample ID
CAB37-002	16LCMW04SW
CAB37-003	16LCMW04DW
CAB37-004	16LCMW03DW
CAB37-005	16LCMW03SW
CAB37-006	16LCMW04SWF
CAB37-007	16LCMW04DWF
CAB37-008	16LCMW03SWF
CAB37-009	16LCMW03DWF

* = RPD or percent recovery is outside established control limits
# = This RPD or percent recovery is not flagged as an exceedence because the Sample Found amount is five times or more than the Spike Added amount.

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

Laucks Testing Laboratories

Matrix Spike/Matrix Spike Duplicate Report

Test:	415.1 Dissolved Organic Carbon	SDG ID:	CAB37
		Preparation Date:	10/05/2007
MS Lab Sample ID:	CAB37-007MS	Run Sequence ID:	R022200
MSD Lab Sample ID:	CAB37-007MSD	Analysis Date:	10/05/2007
Client Sample ID:	16LCMW04DWF	Units:	mg/L
		Matrix:	Water

Analyte	Sample Found	MS Spike	MS Found	MS Recovery	MSD Spike	MSD Found	MSD Recovery	RPD	Limits	
									Recovery	RPD
Dissolved Organic Carbon	0.3944	10.0	9.7135	93%	10.0	9.8416	94%	1%	70-119	11

Associated Samples	
Lab Sample ID	Client Sample ID
CAB37-002	16LCMW04SW
CAB37-003	16LCMW04DW
CAB37-004	16LCMW03DW
CAB37-005	16LCMW03SW
CAB37-006	16LCMW04SWF
CAB37-007	16LCMW04DWF
CAB37-008	16LCMW03SWF
CAB37-009	16LCMW03DWF

* = RPD or percent recovery is outside established control limits
# = This RPD or percent recovery is not flagged as an exceedence because the Sample Found amount is five times or more than the Spike Added amount.

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

Laucks Testing Laboratories

Duplicate Report

Test:	310.1M Carb./Bicarb. Alkalinity	SDG ID:	CAB37
		Preparation Date:	10/3/2007
Lab Sample ID:	CAB37-003Dup	Run Sequence ID:	R022117
Client Sample ID:	16LCMW04DW	Analysis Date:	10/03/2007 14:30
		Units:	mg/L
		Matrix	Water

Analyte	Parent Found	Duplicate Found	RPD	Limit
Alkalinity, Bicarbonate (As CaCO3)	56	52	7%	10
Alkalinity, Carbonate (As CaCO3)	0	0	0%	10

Associated Samples	
Lab Sample ID	**Client Sample ID**
CAB37-002	16LCMW04SW
CAB37-003	16LCMW04DW
CAB37-004	16LCMW03DW
CAB37-005	16LCMW03SW

= RPD Value is not flagged as an outlier because either the parent found amount or duplicate found amount or both are less than five times the reporting limit

* = Value exceeded established control limits

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

Laucks Testing Laboratories

Duplicate Report

Test:	150.1 pH, Water	SDG ID:	CAB37
		Preparation Date:	9/20/2007
Lab Sample ID:	CAB37-003D	Run Sequence ID:	R021756
Client Sample ID:	16LCMW04DW	Analysis Date:	09/20/2007 13:00
		Units:	pH Units
		Matrix	Water

Analyte	Parent Found	Duplicate Found	RPD	Limit
pH	7.061	7.055	0%	10

Associated Samples	
Lab Sample ID	**Client Sample ID**
CAB37-002	16LCMW04SW
CAB37-003	16LCMW04DW
CAB37-004	16LCMW03DW
CAB37-005	16LCMW03SW

= RPD Value is not flagged as an outlier because either the parent found amount or duplicate found amount or both are less than five times the reporting limit

* = Value exceeded established control limits

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

Laucks Testing Laboratories

Duplicate Report

Test:	160.2 Total Suspended Solids	SDG ID:	CAB37
		Preparation Date:	9/20/2007
Lab Sample ID:	CAB37-003D	Run Sequence ID:	R021750
Client Sample ID:	16LCMW04DW	Analysis Date:	09/20/2007 15:00
		Units:	mg/L
		Matrix	Water

Analyte	Parent Found	Duplicate Found	RPD	Limit
Suspended Solids, Total	0	0	0%	20

Associated Samples	
Lab Sample ID	**Client Sample ID**
CAB37-002	16LCMW04SW
CAB37-003	16LCMW04DW
CAB37-004	16LCMW03DW
CAB37-005	16LCMW03SW

= RPD Value is not flagged as an outlier because either the parent found amount or duplicate found amount or both are less than five times the reporting limit

* = Value exceeded established control limits

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

Laucks Testing Laboratories

BS/BSD Report

Test:	314.0 Perchlorate	SDG ID:	CAB37
		Preparation Date:	09/24/2007
BS Sample ID:	S092407	Run Sequence ID:	R021825
BSD Sample ID:	SD092407	Analysis Date:	09/25/2007 09:30
		Units:	ug/L
		Matrix	Water

Analyte	Blank Spike			Blank Spike Duplicate			RPD	Limits	
	Added	Found	Recovery	Added	Found	Recovery		Recovery	RPD
Perchlorate	20.0	18.576	93%	20.0	18.409	92%	1%	85-115	15

Associated Samples	
Lab Sample ID	Client Sample ID
CAB37-002	16LCMW04SW
CAB37-003	16LCMW04DW
CAB37-004	16LCMW03DW
CAB37-005	16LCMW03SW

* = RPD or recovery is outside the established control limits

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

Laucks Testing Laboratories

BS/BSD Report

Test:	415.1 Total Organic Carbon	SDG ID:	CAB37
		Preparation Date:	10/05/2007
BS Sample ID:	S100507TOCW01	Run Sequence ID:	R022200
BSD Sample ID:	S100507TOCW01D	Analysis Date:	10/05/2007 14:20
		Units:	mg/L
		Matrix	Water

Analyte	Blank Spike			Blank Spike Duplicate			RPD	Limits	
	Added	Found	Recovery	Added	Found	Recovery		Recovery	RPD
Organic Carbon, Total	10.0	9.6013	96%	10.0	9.5399	95%	1%	90-110	10

Associated Samples	
Lab Sample ID	Client Sample ID
CAB37-002	16LCMW04SW
CAB37-003	16LCMW04DW
CAB37-004	16LCMW03DW
CAB37-005	16LCMW03SW
CAB37-006	16LCMW04SWF
CAB37-007	16LCMW04DWF
CAB37-008	16LCMW03SWF
CAB37-009	16LCMW03DWF

* = RPD or recovery is outside the established control limits

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

Laucks Testing Laboratories

BS/BSD Report

Test:	415.1 Dissolved Organic Carbon	SDG ID:	CAB37
		Preparation Date:	10/05/2007
BS Sample ID:	S100507TOCW01	Run Sequence ID:	R022200
BSD Sample ID:	S100507TOCW01D	Analysis Date:	10/05/2007 14:20
		Units:	mg/L
		Matrix	Water

Analyte	Blank Spike			Blank Spike Duplicate			RPD	Limits	
	Added	Found	Recovery	Added	Found	Recovery		Recovery	RPD
Dissolved Organic Carbon	10.0	9.6013	96%	10.0	9.5399	95%	1%	90-110	10

Associated Samples	
Lab Sample ID	Client Sample ID
CAB37-002	16LCMW04SW
CAB37-003	16LCMW04DW
CAB37-004	16LCMW03DW
CAB37-005	16LCMW03SW
CAB37-006	16LCMW04SWF
CAB37-007	16LCMW04DWF
CAB37-008	16LCMW03SWF
CAB37-009	16LCMW03DWF

* = RPD or recovery is outside the established control limits

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

Laucks Testing Laboratories

Blank Spike Report

Test: 300.0 NO3, NO2, Cl, SO4

Lab Sample ID: S0920071

SDG ID: CAB37
Preparation Date: 09/20/2007
Run Sequence ID: R021757
Analysis Date: 09/20/2007 17:35
Matrix Water
Units: mg/L

Analyte	Spike Added	Found	% Recovery	Limit
Chloride	1.51	1.42	94%	90-110
Nitrate - N	1.15	1.1479	100%	90-110
Nitrite - N	1.51	1.6112	106%	90-110
Sulfate as SO4	7.50	7.5004	100%	90-110

Associated Samples

Lab Sample ID	Client Sample ID
CAB37-002	16LCMW04SW
CAB37-003	16LCMW04DW
CAB37-004	16LCMW03DW
CAB37-005	16LCMW03SW

* = Recovery exceeded the established control limit

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

Laucks Testing Laboratories

SRM Report

Test Name:	310.1M Carb./Bicarb. Alkalinity	SDG ID:	CAB37
		Preparation Date:	10/03/2007
Lab Sample ID:	SRM-MIN-0638/639-72	Run Sequence ID:	R022117
		Analysis Date:	10/03/2007 14:30
		Units:	mg/L CaCO3
		Matrix:	Water

Analyte	Result	True Value	Control Limits	
			LCL	UCL
Alkalinity, Bicarbonate (As CaCO3)	104	104	90.6	111

Associated Samples	
Lab Sample ID	Client Sample ID
CAB37-002	16LCMW04SW
CAB37-003	16LCMW04DW
CAB37-004	16LCMW03DW
CAB37-005	16LCMW03SW

* = Value exceeded established control limits

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

LAUCKS TESTING LABORATORIES

SAMPLE DATA PACKAGE

PBS ENGINEERING
&
ENVIRONMENTAL

SDG NO.: CAB38

November 8, 2007

LAUCKS TESTING LABORATORIES
940 S. Harney
Seattle, WA 98108

To: PBS Engineering & Environmental
Project Name: Camp Bonneville
SDG No.: CAB38
Date of Report: 11/8/2007

SAMPLE RECEIPT, IDENTIFICATION, AND GENERAL COMMENTS:

Sample Receipt and Identification:

The samples submitted under the laboratory number(s) indicated above were identified and analyzed as tabulated below. The samples were collected and received on the dates noted on the enclosed chain-of-custody copies, Attachment A.

Client Sample Identification	Laucks Sample Identification	Testing Analytical Request
16LCMW430W	CAB38-001	VOA/SVOA/ORD/TPHG/TPHD/MET/INO
16LCMW430WF	CAB38-002	MET/DOC
16L4MW17W	CAB38-003	VOA
16L4MW18W	CAB38-004	VOA/ORD/INO
TRIP BLANK	CAB38-005	VOA
16L4MW07BW	CAB38-006	VOA/ORD/INO
16L4MW440W	CAB38-007	VOA/ORD/INO
16L4MW01AW	CAB38-008	VOA/ORD/INO
16L4MW01BW	CAB38-009	VOA/ORD/INO
16LCMW430W	CAB38-010	VOA

Analytical Request Key:

VOA =	Volatile Organics (8260B)
SVOA =	Semi-Volatiles (8270D)
ORD =	Ordnance (8330)
	PETN/Nitroglycerin (8332)
	Picric Acid (LTL 8303)*
TPHD =	Total Petroleum Hydrocarbons-Diesel (NWTPH)
TPHG =	Total Petroleum Hydrocarbons-Gasoline (NWTPH)
MET =	Priority Pollutant Metals (6020/7470A)
INO =	Alkalinity, Carbonate and Bicarbonate (310.1M)
	Chloride, Nitrate, Nitrite, Sulfate (300.0)
	Total Organic Carbon (415.1M)*
	Total Suspended Solids (160.2)
	Ammonium Perchlorate (314.0)
	pH (150.1)
DOC =	Dissolved Organic Carbon (415.1)*

Picric/Picramic*:
We are accredited by NELAP for the attenuation compounds through our SOP LTL-8303 rev. 10 by EPA 8330.

TOC:
Singleton analysis was performed for this project as approved by the client. This modification is less expensive and meets project DQOs but does not meet NELAC guidelines.

Sample Receipt Comments:

There were no anomalies associated with the receipt of these samples.

GENERAL REMARKS ON ORGANIC ANALYSES:

The following comments describe general analysis conditions. For remarks specific to the samples reported in this case, see "SPECIFIC REMARKS ON ORGANIC ANALYSIS."

Manual Integrations:
One or more analytes may have been manually integrated on the data system quantitation reports. All manual integrations have been flagged, initialed, and dated by the analyst. A list of the manual integration flags is detailed below.

M	Manual integration due to irregular peak shape
MS	Manual integration due to split peak
MR	Manual integration due to retention time shift
MI	Manual integration of correct isomer
MT	Manual integration due to peak tailing
MB	Manual integration due to irregular baseline

Holding Time Compliance:

Volatile Organic Compounds:
The holding time is 14 days calculated from date of collection in both soil and water samples. All samples were analyzed within holding time.

Semi-Volatile Organic Compounds:
The holding time to extraction is 7 days in water and 14 days in soil calculated from the date of collection. In either case, the holding time from extraction to analysis is 40 days. All samples were extracted and analyzed within holding time.

Ordnance, PETN/Nitroglycerin, Picric Acid
The holding time to extraction is 7 days in water and 14 days in soil calculated from the date of collection. The holding time from extraction to analysis is 40 days. All samples were originally extracted within holding times, however, re-extraction for ordnance and picric/picramic acid were performed outside of holding times. See comments below. All samples were analyzed within holding time.

TPH Gasoline Fraction:
The holding time for analysis is 14 days in water and soil calculated from the date of collection. All samples were analyzed within holding times.

TPH Diesel Fraction:
The holding time to extraction, which is calculated from the date of collection, is 7 days for water samples and 14 days for soil samples. In either case, the holding time from extraction to analysis is 40 days. All samples were extracted and analyzed within holding times.

Volatile Fraction (8260):

Initial Calibration Verification:
In the ICV performed on 9/29/2007 2,2-dichloropropane exceeded 25% due to increased response. Because this analyte was not on the list for this SDG, no further action was taken.

Continuing Calibration Verification (CCV):
In the CCV performed on 10/2/2007 the percent D value for carbon tetrachloride exceeded 20% due to increased response. This analyte was not detected in any associated samples so no further action was taken.

Quality Control Analyses:
MS/MSD analyses were not performed due to insufficient sample volume. All spiking analytes in the blank spike analysis recovered within control limits.

Semivolatiles Fraction:

Second Source Calibration Verification (ICV):
Analysis of the ICV performed on 10/23/2007 yielded a %D value for 2,4-dinitrophenol that exceeded 25% due to increased response. This analyte was not detected in the associated sample, no action was taken. In addition, analysis of this ICV also yielded a %D value for benzidine that exceeded 25% due to decreased response. Benzidine is subject to oxidative losses and poor chromatographic behavior. However, because sample results are reported well below the reporting limit (RL) the chance of reporting any false negatives for benzidine at the RL is negligible.

Ordnance Fraction:

Blank Spike Analysis:
Analysis of the blank spike prepared on 09/26/2007 yielded low recoveries for HMX and RDX. The samples were re-extracted 4 days after the holding time had expired. Analyses of the re-extracted samples yielded acceptable recovery results. Data from both analyses have been submitted.

PETN/Nitroglycerin Fraction:

Surrogate Recoveries:
Analyses of sample extracts 16L4MW17W and blank spike S092607HORWLG2 yielded surrogate recoveries that exceeded the upper control limit. Because the recoveries were high and there were no target analytes detected in any associated samples, no further action was taken.

Picric Acid Fraction:

Blank Spike Analysis:
Analysis of the blank spike prepared on 09/25/2007 resulted in recoveries for all analytes and the surrogate that were outside of the control limits. The samples were re-extracted 9 days after holding time had expired. Analyses of the re-extracted samples yielded acceptable recovery results. Data from both analyses have been submitted.

NWTPH Gasoline Fraction:

NWTPHG was used to quantitate the samples for gasoline. Gasoline range responses were determined by summing the responses of all components, resolved and unresolved, between toluene and naphthalene. Quantitation is based on average calibration factor.

All quality control parameters were met.

NWTPH Diesel Fraction:

NWTPH-Dx was used to quantitate the samples for diesel and oil. Diesel range responses were determined by summing the responses of all components, resolved and unresolved, between C_{12} and C_{24} integrated to a horizontal baseline. Oil range responses were determined by summing the responses of all components, resolved and unresolved, between C_{24} and C_{40} integrated to a horizontal baseline. Quantitation was based on a linear regression.

All quality control parameters were met.

GENERAL REMARKS ON INORGANIC ANALYSES:

The following comments describe general analysis conditions. For remarks specific to the samples reported in this case, see "SPECIFIC REMARKS ON INORGANIC ANALYSES."

ICP Metals:

On the first timed and dated page of each ICP-MS run, the data to be reported or rejected will be tabulated for that run.

Mercury:

For Liquids:
Laucks purchases a 1000 mg/L Hg stock solution from Inorganic Ventures. The 0.5 mg/L working standard is made by diluting 100 µL to 200 mL with 0.15% HNO_3. The calibration curve is made by placing 0, 20, 50, 100, 200, 500 and 1000 µL of the working standard digestion vessels and diluting up to 50 mL. The standard curve is equivalent to 0, 0.2, 0.5, 1.0, 2.0, 5.0 and 10.0 µg/L.

SPECIFIC REMARKS ON INORGANIC ANALYSES:

Holding Time Compliance:

Laucks calculates holding time compliance for inorganic determinations using the date on which reportable data were acquired.

Metals:

The holding time for metals is six months from the date of collection, excepting mercury, which is 28 days. All analyses were performed within holding time.

Miscellaneous:

The following analytes do not have a Contract Laboratory Program holding time. The holding times tabulated below derive from the relevant EPA methods and are applicable when the sample was appropriately preserved and/or cooled. All samples submitted followed the preservation guidelines unless explicitly noted otherwise.

Analyte	Holding Time	Violations
Alkalinity	14 days	None
Chloride	28 days	None
Nitrate	48 hours	None
Nitrite	48 hours	None
Sulfate	28 days	None
Total Organic Carbon	28 days	None
Dissolved Organic Carbon	28 days	None
Total Suspended Solids	7 days	None
Perchlorate	28 days	None
pH	24 hours	None

ICP-MS Metals:

For the run sequence R022083, arsenic and zinc were removed from the high point (Standard 5) of the calibration curve. As a result, no sample results for arsenic or zinc were reported above 100 ug/L. Data have not been flagged for this event.

Mercury:

No comments.

Miscellaneous Inorganics:

No comments.

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940 S. Harney
Seattle, WA 98108

ABBREVIATIONS

Several abbreviations can appear in our reports. The most commonly employed abbreviations are as follows:

U The analyte of interest was not detected to the limit of detection indicated.

SDL Sample Detection Limit. The SDL can vary from sample to sample, depending on sample size, matrix interferences, moisture content and other sample-specific conditions.

PQL Practical Quantitation Limit. The limit is drawn from the test method and usually represents the SDL multiplied by a matrix-specific factor.

DB Dry Basis. The value reported has been back-calculated to normalize for the moisture content of the sample.

AR As-Received. The value has not been normalized for moisture.

ORGANIC ANALYSES:

B When used in relation to organics fractions, the "B" flag indicates that the analyte of interest was detected in the method blank associated with the sample, as well as in the sample itself. The "B" flag is applied without regard to the relative concentrations detected in the blank and sample.

J The analyte of interest was detected below the routine reporting limit. This value should be regarded as an estimate.

T The flagged values represent the SUM of two co-eluting compounds. The SUM of these two values is shown as though it were a result for each of them. The two figures should not be added together.

E The flagged value was reported from an analysis that exceeded the linear range of the instrument. See additional comments for further discussion of the circumstances. Values so flagged should be considered estimates.

P When a dual column GC technique is employed, this flag indicates that test results from the two columns differ by more than 25%. Generally, we report the higher value.

C The flagged analyte has been confirmed by GC/MS analysis. The value reported may be derived from either the initial of confirmatory (GC/MS) analysis. See specific report comments for details.

CRQL Client requested Quantitation Limit, usually the limit of detection specified at your request. Might also be referred to as Contract Required Quantitation Limit.

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940 S. Harney
Seattle, WA 98108

INORGANIC ANALYSES:

J 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). If the analyte was analyzed for but not detected, a "U" shall be entered.

E The reported value is estimated because of the presence of interference. The serial dilution was not within control limits.

N Spiked sample recovery not within control limits.

* Duplicate analysis not within control limits.

CRDL Client Requested Detection Limit, usually the limit of detection specified at your request. Might also be referred to as Contract Required Detection Limit.

LAUCKS TESTING LABORATORIES
940 S. Harney
Seattle, WA 98108

RELEASE OF DATA

Laucks certifies that these results meet all requirements of the NELAC standards, except where otherwise noted.

"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 his designee, as verified by the following signature."

Respectfully submitted,

Kara Godineaux
Project Manager
11/8/07
(DATE)

Harry Romberg
Quality Assurance Officer
11/8/07
(DATE)

HOW TO CONTACT US:

All Laucks Testing Laboratories staff members can be reached at the same telephone and facsimile numbers: (206) 767-5060 by phone, (206) 767-5063 by FAX.

REQUESTS FOR DUPLICATE COPIES:

This packet has been checked for accuracy. All pages are present and in sequential order. Please see Attachment B for a detailed record.

In the event that duplicate data copies are needed, Laucks will accommodate your request at a fee of twenty-five cents ($0.25) per copy, plus shipping. If the data are in storage, there will also be a fee for retrieval.

LAUCKS TESTING LABORATORIES
940 S. Harney
Seattle, WA 98108

ATTACHMENT A

Chain-of-Custody Copies

LAUCKS TESTING LABORATORIES, INC. - SAMPLE CONFIRMATION LOG

Sample ID (SDG-#)	VTSR	Collected On	Client ID	150.1 pH, Water	160.2 Total Suspended Solids	300.0 NO3, NO2, Cl, SO4	310.1M Carb./Bicarb. Alkalinity	314.0 Perchlorate	415.1 Dissolved Organic Carbon	415.1 Total Organic Carbon	6020 Diss. Priority Pollutant Metals	6020 Total Priority Pollutant Metals	7470 Diss. Mercury	7470 Total Mercury	8260B VOCs (LTL Routine)	8270C SVOCs (LTL Routine, 2-pH)	8330 Explosives Residues	8332 Nitroglycerin & PETN	LTL8303 Picric Acid	NWTPH Diesel	NWTPH Gas
CAB38-001	09/21/2007 08:25 AM	09/20/2007 04:30 PM	16LCMW430W	IN	IN	IN	IN	IN		IN		IN		IN		IN	IN	IN	IN	IN	IN
CAB38-002	09/21/2007 08:25 AM	09/20/2007 04:30 PM	16LCMW430WF						IN		IN		IN								
CAB38-003	09/21/2007 08:25 AM	09/20/2007 09:50 AM	16L4MW17W					IN							IN		IN	IN			
CAB38-004	09/21/2007 08:25 AM	09/20/2007 10:50 AM	16L4MW18W					IN							IN		IN	IN			
CAB38-005	09/21/2007 08:25 AM	09/20/2007 12:00 AM	TRIP BLANK												IN						
CAB38-006	09/21/2007 08:25 AM	09/20/2007 12:15 PM	16L4MW07BW					IN							IN		IN	IN			
CAB38-007	09/21/2007 08:25 AM	09/20/2007 11:30 AM	16L4MW440W					IN							IN		IN	IN			
CAB38-008	09/21/2007 08:25 AM	09/20/2007 02:00 PM	16L4MW01AW					IN							IN		IN	IN			
CAB38-009	09/21/2007 08:25 AM	09/20/2007 03:30 PM	16L4MW01BW					IN							IN		IN	IN			
CAB38-010	09/21/2007 08:25 AM	09/20/2007 03:30 PM	16LCMW430W												IN						

Approved By: Mark Jochimsen On: 9/21/2007

Notes:

Samples identified with a '*' client has requested QC for

LEGEND: -:Started , +:Completed , IN:Logged In , P:Preparation , A:Analysis , X:Cancelled, PL:Pre-logged

FORM LTL-PM-8.0

4258

THIS INFORMATION WILL BE USED FOR REPORTING/BILLING (SEE BELOW)

COMPANY: PBS ENG & ENV.
ADDRESS: 4412 SW CORBETT PTLD OR 97239
ATTENTION: DREW HARVEY
PROJECT NAME: CAMP BONNEVILLE
PROJECT CONTACT: DREW HARVEY
TELEPHONE: 503-417-7693 FAX:
JOB/P.O. NO.: 70489.00 T6208

CHAIN OF CUSTODY RECORD

44358

SDG # CAB38

PAGE 1 OF 1

WORK ORDER ID#

SUBMITTED AT:

Laucks Testing Laboratories, Inc.
1620 South Harney St., Seattle, WA 98108 (206) 767-5060 FAX 767-5063
1106 Ledwich Ave., Yakima, WA 98902 (509) 248-4695 FAX 452-1265

12

LAB SA#	SAMPLE ID / LOCATION	DATE	TIME	MATRIX: WATER, SOIL OR SPECIFY	NO. OF CONTAINERS	RETN/NG	EXPLOSIVES	SVOCS	PICRIC ACID	NWTPH-GX	NWTPH-DX	* DISS. METALS	TOTAL METALS	TOC	* DOC	PERCHLORATE	TSS/ALK./IONS	Dissolved Organ Carbon	Dissolved Hg	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
1	16LCMW430W	9/20/07	16:30	W	21	X	X	X	X	X	X	X	X	X	X	X	X			* field filtered
2	16LCMW430W MW0 9/21/07	"	"	W	3							X					X	X		* field filtered 9/21/07

A. A standard turnaround time is assumed unless otherwise marked.

B. The laboratory may not be responsible for missed holding time for samples received with less than 50% of the analytical hold time remaining. Please contact the laboratory for further information.

INSTRUCTIONS

1. USE ONE LINE PER SAMPLE.
2. BE SPECIFIC IN TEST REQUESTS.
3. CHECK OFF TESTS TO BE PERFORMED FOR EACH SAMPLE.

*** BILLING INFORMATION, IF DIFFERENT THAN ABOVE**

NAME ADDRESS

ATTN: CITY, STATE, ZIP

*** RUSH TURNAROUND IS SUBJECT TO PRIOR LABORATORY APPROVAL**

TOTAL NO. OF CONTAINERS

TURNAROUND REQUEST

- [X] STD. 10-14 WORKING DAYS
- * [ ] 24-48 HRS. (100% SUR)
- * [ ] 72 HRS. (75% SUR)
- * [ ] 5 DAYS (50% SUR)
- [ ] OTHER:
- [ ] TEMP:

CUSTODY SEAL: [ ] Y [ ] N [ ] N/A

RELINQUISHED BY (SIGN AND PRINT)	DATE / TIME	RECEIVED BY (SIGN AND PRINT)	DATE / TIME
PBS / BARB LARY	9/20/07 5:00pm	Elizabeth Golden	9/21/07 0825

Finance Charges and/or Collection Fees may be applied to delinquent accounts.

FINAL REPORT COPY

THIS INFORMATION WILL BE USED FOR REPORTING/BILLING* (SEE BELOW)

COMPANY: PBS ENG + ENV.

ADDRESS: 4412 SW CORBETT
PTLD OR 97239

ATTENTION:

PROJECT NAME: (DREW HARVEY)

PROJECT CONTACT: CAMP BONNEVILLE

TELEPHONE: 503-417-7693 FAX:

JOB/P.O. NO.: 70489.00 T6208

CHAIN OF CUSTODY RECORD

44355

SDG # CAB38

PAGE 1 OF 1

WORK ORDER ID#

SUBMITTED AT:

Laucks Testing Laboratories, Inc.

☑ 940 South Hanley St., Seattle, WA 98108 (206) 767-5060 FAX 767-5063

☐ 1106 Ledwich Ave., Yakima, WA 98902 (509) 248-4695 FAX 452-1265

13

TESTS TO PERFORM

LAB SA#	SAMPLE ID / LOCATION	DATE	TIME	MATRIX: WATER, SOIL OR SPECIFY	NO. OF CONTAINERS	PETN/NG	EXPLOSIVES	PERCHLORATE	VOCs (8260)												OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
3	16L4MW17W	9/20/07	950	W	7	X	X	X	X												
4	16L4MW18W		1050	W	8	X	X	X	X												
5	TRIP BLANK		NA	W	1				X												
6	16L4MW07BW		1215	W	3				X												
7	16L4MW440W		11:30	W	3				X												
8	16L4MW01AW		~~13:30~~ Added	W	3				X												
9	16L4MW01BW		15:30	W	3				X												
10	16LCMW430W		16:30	W	3				X												

A. A standard turnaround time is assumed unless otherwise marked.

B. The laboratory may not be responsible for missed holding time for samples received with less than 50% of the analytical hold time remaining. Please contact the laboratory for further information.

INSTRUCTIONS

1. USE ONE LINE PER SAMPLE.
2. BE SPECIFIC IN TEST REQUESTS.
3. CHECK OFF TESTS TO BE PERFORMED FOR EACH SAMPLE.

BILLING INFORMATION, IF DIFFERENT THAN ABOVE

NAME ADDRESS

ATTN: CITY, STATE, ZIP

*** RUSH TURNAROUND IS SUBJECT TO PRIOR LABORATORY APPROVAL**

TOTAL NO. OF CONTAINERS

TURNAROUND REQUEST

☑ STD. 10-14 WORKING DAYS

* ☐ 24-48 HRS. (100% SUR)

* ☐ 72 HRS. (75% SUR)

* ☐ 5 DAYS (50% SUR)

☐ OTHER

☐ TEMP.

CUSTODY SEAL: ☐ Y ☐ N ☐ N/A

RELINQUISHED BY (SIGN AND PRINT)	DATE / TIME	RECEIVED BY (SIGN AND PRINT)	DATE / TIME
Barb Lary PBS / BARB LARY	9/20/07 5:00pm	Elizabeth Golden / Elizabeth Golden	9/21/07 0825
/		/	

Finance Charges and/or Collection Fees may be applied to delinquent accounts.

FINAL REPORT COPY

THIS INFORMATION WILL BE USED FOR REPORTING/BILLING (SEE BELOW)

COMPANY: PBS ENG. & ENV.
ADDRESS: 4412 SW CORBETT
PTLD OR 97239
ATTENTION: DREW HARVEY
PROJECT NAME: CAMP BONNEVILLE
PROJECT CONTACT: DREW HARVEY
TELEPHONE: 503-417-7693 FAX:
JOB/P.O. NO.: 70459.00 T 6208

CHAIN OF CUSTODY RECORD

44356

SDG # CAB38

PAGE 1 OF 1

WORK ORDER ID#

SUBMITTED AT: ☒ 940 South Harney St., Seattle, WA 98108 (206) 767-5060 FAX 767-5063
☐ 1106 Ludwich Ave., Yakima, WA 98902 (509) 248-4695 FAX 452-1265

14

Laucks Testing Laboratories, Inc.

LAB SA#	SAMPLE ID / LOCATION	DATE	TIME	MATRIX: WATER, SOIL OR SPECIFY	NO. OF CONTAINERS	TESTS TO PERFORM: PETN/NG	EXPLOSIVES	PERCHLORATE	2	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
6	16L4MW07BW	9/20/07	1215	W	5	X	X	X		
7	16L4MW440W	↓	1130	W	5	X	X	X		

A. A standard turnaround time is assumed unless otherwise marked.

B. The laboratory may not be responsible for missed holding time for samples received with less than 50% of the analytical hold time remaining. Please contact the laboratory for further information.

INSTRUCTIONS

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2. BE SPECIFIC IN TEST REQUESTS.
3. CHECK OFF TESTS TO BE PERFORMED FOR EACH SAMPLE.

*** BILLING INFORMATION, IF DIFFERENT THAN ABOVE**

NAME ADDRESS

ATTN: CITY, STATE, ZIP

* RUSH TURNAROUND IS SUBJECT TO PRIOR LABORATORY APPROVAL

TOTAL NO. OF CONTAINERS

TURNAROUND REQUEST

☒ STD. 10-14 WORKING DAYS

* ☐ 24-48 HRS. (100% SUR)

* ☐ 72 HRS. (75% SUR)

* ☐ 5 DAYS (50% SUR)

☐ OTHER:

☐ TEMP:

CUSTODY SEAL: ☐ Y ☐ N ☐ N/A

RELINQUISHED BY (SIGN AND PRINT)	DATE / TIME	RECEIVED BY (SIGN AND PRINT)	DATE / TIME
Barb Lary PBS / BARB LARY	9/20/07 5:00 pm	Elizabeth Golden	9/21/07 0825

Finance Charges and/or Collection Fees may be applied to delinquent accounts.

FINAL REPORT COPY

THIS INFORMATION WILL BE USED FOR REPORTING/BILLING (SEE BELOW)

COMPANY: PBS ENG. & ENV.

ADDRESS: 4412 SW CORBETT
PTLD. OR 97239

ATTENTION: DREW HARVEY

PROJECT NAME: CAMP BONNEVILLE

PROJECT CONTACT: DREW HARVEY

TELEPHONE: 503-417-7693 FAX:

JOB/P.O. NO.: 70489.00 T6208

CHAIN OF CUSTODY RECORD

SDG # ~~CAB0~~ CAB38

44357

PAGE 1 OF 1

WORK ORDER ID#

SUBMITTED AT:

Laucks Testing Laboratories, Inc.

940 South Harney St., Seattle, WA 98108 (206) 767-5060 FAX 767-5063
☐ 1100 Ledwich Ave., Yakima, WA 98902 (509) 248-4695 FAX 452-1265

TESTS TO PERFORM

LAB SA#	SAMPLE ID / LOCATION	DATE	TIME	MATRIX: WATER, SOIL OR SPECIFY	NO. OF CONTAINERS	RETN/NG	EXPLOSIVES	PERCHLORATE	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
8	16L4MW01AW	9/20/07	~~14:00~~ 13:50	W	5	X	X	X	
9	16L4MW01BW	↓	15:30	W	5	X	X	X	

A. A standard turnaround time is assumed unless otherwise marked.

B. The laboratory may not be responsible for missed holding time for samples received with less than 50% of the analytical hold time remaining. Please contact the laboratory for further information.

INSTRUCTIONS

1. USE ONE LINE PER SAMPLE.
2. BE SPECIFIC IN TEST REQUESTS.
3. CHECK OFF TESTS TO BE PERFORMED FOR EACH SAMPLE.

BILLING INFORMATION, IF DIFFERENT THAN ABOVE

NAME ADDRESS

ATTN: CITY, STATE, ZIP

*** RUSH TURNAROUND IS SUBJECT TO PRIOR LABORATORY APPROVAL**

TOTAL NO. OF CONTAINERS

TURNAROUND REQUEST

☒ STD. 10-14 WORKING DAYS
* ☐ 24-48 HRS. (100% SUR)
* ☐ 72 HRS. (75% SUR)
* ☐ 5 DAYS (50% SUR)
☐ OTHER:
☐ TEMP:

CUSTODY SEAL: ☐ Y ☐ N ☐ N/A

RELINQUISHED BY (SIGN AND PRINT)	DATE / TIME	RECEIVED BY (SIGN AND PRINT)	DATE / TIME
Bart Lary PBS / BARB LARY	9/20/07 5:00pm	Elizabeth Jason/Elizabeth Golden	9/21/07 0825

Finance Charges and/or Collection Fees may be applied to delinquent accounts.

FINAL REPORT COPY

Cooler Receipt Form
Laucks Testing Laboratories, Inc.

SDG: CAB38 Taken By: CLIENT

Cooler: AAP098 Transferred: FEDEX

COC #: 44357

Project: Camp Bonneville (PBS Engineering and Environmental)

Date samples were received at the laboratory: **9/21/2007**

Date cooler was opened: **9/21/2007 8:25AM**

A. PRELIMINARY EXAMINATION PHASE:

1. Did cooler come with a shipping slip (airbill, etc.)? ..... **YES**
   if YES, record carrier name and airbill number: **862453847370**
2. Were custody seals unbroken and intact at the date and time of arrival? ..... **INTACT**
   Date On Custody Seal: Custody Seals Description: **1 IN FRONT**
3. Were custody papers sealed in a plastic bag and taped inside to the lid? ..... **YES**
4. Did you screen samples for radioactivity using the Geiger Counter? ..... **NO**
5. Were custody papers filled out properly (ink, signed, etc.)? ..... **YES**
6. Did you sign custody papers in the appropriate place? ..... **YES**
7. If required, was enough cooling material present? ..... **YES**
8. Have designated person initial here to acknowledge receipt of cooler: EG

B. LOG-IN PHASE: Date samples were logged-in: **9/21/2007 8:35AM**

Logged-in by Elizaheth Golden (sign) Elizabeth Golden

9. Describe type of packing in cooler:

   ICE

10. Were all bottles sealed in separate plastic bags? ..... **NO**
11. Were labels in good condition? ..... **YES**
12. Were all bottle labels complete (ID,date,time signature,preservative,etc.)? ..... **YES**
13. Did all bottle labels agree with custody papers? ..... **YES**
14. Were correct containers used for the tests indicated? ..... **YES**
15. Were the correct pHs observed? ..... **YES**
16. Was a sufficient amount of sample sent for tests indicated? ..... **YES**
17. Were bubbles absent in VOA samples? ..... **YES**
18. Temperatures: **3.0**

DISCREPANCIES:

Cooler Receipt Form
Laucks Testing Laboratories, Inc.

SDG: CAB38 Taken By: CLIENT

Cooler: AAK817 Transferred: FEDEX

COC #: 44358

Project: Camp Bonneville (PBS Engineering and Environmental)

Date samples were received at the laboratory: **9/21/2007**

Date cooler was opened: **9/21/2007 8:25AM**

A. PRELIMINARY EXAMINATION PHASE:

1. Did cooler come with a shipping slip (airbill, etc.)? ..... **YES**
   if YES, record carrier name and airbill number: **862453847370**
2. Were custody seals unbroken and intact at the date and time of arrival? ..... **INTACT**
   Date On Custody Seal: Custody Seals Description: **1 IN FRONT**
3. Were custody papers sealed in a plastic bag and taped inside to the lid? ..... **YES**
4. Did you screen samples for radioactivity using the Geiger Counter? ..... **NO**
5. Were custody papers filled out properly (ink, signed, etc.)? ..... **YES**
6. Did you sign custody papers in the appropriate place? ..... **YES**
7. If required, was enough cooling material present? ..... **YES**
8. Have designated person initial here to acknowledge receipt of cooler: EG

B. LOG-IN PHASE:

Date samples were logged-in: **9/21/2007 8:35AM**

Logged-in by Elizabeth Golden (sign) Elizabeth Golden

9. Describe type of packing in cooler:

   ICE

10. Were all bottles sealed in separate plastic bags? ..... **NO**
11. Were labels in good condition? ..... **YES**
12. Were all bottle labels complete (ID,date,time signature,preservative,etc.)? ..... **YES**
13. Did all bottle labels agree with custody papers? ..... **YES**
14. Were correct containers used for the tests indicated? ..... **YES**
15. Were the correct pHs observed? ..... **YES**
16. Was a sufficient amount of sample sent for tests indicated? ..... **YES**
17. Were bubbles absent in VOA samples? ..... **YES**
18. Temperatures: **2.9**

DISCREPANCIES:

Cooler Receipt Form
Laucks Testing Laboratories, Inc.

SDG: CAB38 Taken By: CLIENT

Cooler: AAD523 Transferred: FEDEX

COC #: 44356

Project: Camp Bonneville (PBS Engineering and Environmental)

Date samples were received at the laboratory: **9/21/2007**

Date cooler was opened: **9/21/2007 8:25AM**

A. PRELIMINARY EXAMINATION PHASE:

1. Did cooler come with a shipping slip (airbill, etc.)? ..... **YES**
   if YES, record carrier name and airbill number: **862453847370**
2. Were custody seals unbroken and intact at the date and time of arrival? ..... **INTACT**
   Date On Custody Seal: Custody Seals Description: **1 IN FRONT**
3. Were custody papers sealed in a plastic bag and taped inside to the lid? ..... **YES**
4. Did you screen samples for radioactivity using the Geiger Counter? ..... **NO**
5. Were custody papers filled out properly (ink, signed, etc.)? ..... **YES**
6. Did you sign custody papers in the appropriate place? ..... **YES**
7. If required, was enough cooling material present? ..... **YES**
8. Have designated person initial here to acknowledge receipt of cooler: EG

B. LOG-IN PHASE:

Date samples were logged-in: **9/21/2007 8:35AM**

Logged-in by Elizabeth Golden (sign) Elizabeth Golden

9. Describe type of packing in cooler:

   ICE

10. Were all bottles sealed in separate plastic bags? ..... **NO**
11. Were labels in good condition? ..... **YES**
12. Were all bottle labels complete (ID,date,time signature,preservative,etc.)? ..... **YES**
13. Did all bottle labels agree with custody papers? ..... **YES**
14. Were correct containers used for the tests indicated? ..... **YES**
15. Were the correct pHs observed? ..... **YES**
16. Was a sufficient amount of sample sent for tests indicated? ..... **YES**
17. Were bubbles absent in VOA samples? ..... **YES**
18. Temperatures: **3.5**

DISCREPANCIES:

Cooler Receipt Form
Laucks Testing Laboratories, Inc.

SDG: CAB38 Taken By: CLIENT

Cooler: AAD447 Transferred: FEDEX

COC #: 44355

Project: Camp Bonneville (PBS Engineering and Environmental)

Date samples were received at the laboratory: **9/21/2007**

Date cooler was opened: **9/21/2007 8:25AM**

A. PRELIMINARY EXAMINATION PHASE:

1. Did cooler come with a shipping slip (airbill, etc.)? ..... **YES**
   if YES, record carrier name and airbill number: **862453847370**
2. Were custody seals unbroken and intact at the date and time of arrival? ..... **INTACT**
   Date On Custody Seal: Custody Seals Description: **1 IN FRONT**
3. Were custody papers sealed in a plastic bag and taped inside to the lid? ..... **YES**
4. Did you screen samples for radioactivity using the Geiger Counter? ..... **NO**
5. Were custody papers filled out properly (ink, signed, etc.)? ..... **YES**
6. Did you sign custody papers in the appropriate place? ..... **YES**
7. If required, was enough cooling material present? ..... **YES**
8. Have designated person initial here to acknowledge receipt of cooler: EG

B. LOG-IN PHASE:

Date samples were logged-in: **9/21/2007 8:35AM**

Logged-in by Elizabeth Golden (sign) Elizabeth Golden

9. Describe type of packing in cooler:

   ICE

10. Were all bottles sealed in separate plastic bags? ..... **NO**
11. Were labels in good condition? ..... **YES**
12. Were all bottle labels complete (ID,date,time signature,preservative,etc.)? ..... **YES**
13. Did all bottle labels agree with custody papers? ..... **YES**
14. Were correct containers used for the tests indicated? ..... **YES**
15. Were the correct pHs observed? ..... **YES**
16. Was a sufficient amount of sample sent for tests indicated? ..... **YES**
17. Were bubbles absent in VOA samples? ..... **YES**
18. Temperatures: **2.8**

DISCREPANCIES:

Supplemental Sample Receipt Log
Laucks Testing Laboratories

SDG: CAB38
Cooler: AAD447
Temperatures: 2.8
COC #: 44355

Sample	Bottle #	Bottle Description	pH	Bubbles
CAB38-003	0001	1000 mL boston round, amber glass	7	N/A
	0002	1000 mL boston round, amber glass	7	N/A
	0003	1000 mL boston round, amber glass	7	N/A
	0004	40 ml OTWS, clear glass, HCl	N/C	None
	0005	40 ml OTWS, clear glass, HCl	N/C	None
	0006	40 ml OTWS, clear glass, HCl	N/C	None
	0007	500 ml cylinder, poly	7	N/A
CAB38-004	0001	1000 mL boston round, amber glass	7	N/A
	0002	1000 mL boston round, amber glass	7	N/A
	0003	1000 mL boston round, amber glass	7	N/A
	0004	1000 mL boston round, amber glass	7	N/A
	0005	40 ml OTWS, clear glass, HCl	N/C	None
	0006	40 ml OTWS, clear glass, HCl	N/C	None
	0007	40 ml OTWS, clear glass, HCl	N/C	None
	0008	500 ml cylinder, poly	7	N/A
CAB38-005	0001	40 ml OTWS, clear glass, HCl	N/C	None
CAB38-006	0001	40 ml OTWS, clear glass, HCl	N/C	None
	0002	40 ml OTWS, clear glass, HCl	N/C	None
	0003	40 ml OTWS, clear glass, HCl	N/C	None
CAB38-007	0001	40 ml OTWS, clear glass, HCl	N/C	None
	0002	40 ml OTWS, clear glass, HCl	N/C	None
	0003	40 ml OTWS, clear glass, HCl	N/C	None
CAB38-008	0001	40 ml OTWS, clear glass, HCl	N/C	None
	0002	40 ml OTWS, clear glass, HCl	N/C	None
	0003	40 ml OTWS, clear glass, HCl	N/C	None
CAB38-009	0001	40 ml OTWS, clear glass, HCl	N/C	None
	0002	40 ml OTWS, clear glass, HCl	N/C	None
	0003	40 ml OTWS, clear glass, HCl	N/C	None
CAB38-010	0001	40 ml OTWS, clear glass, HCl	N/C	None
	0002	40 ml OTWS, clear glass, HCl	N/C	None
	0003	40 ml OTWS, clear glass, HCl	N/C	None

Allowable temperature and pH ranges (neutral pH defined as a value between 5 and 9)

Temperature	Allowable temperature range is 4+/- 2 degrees Celsius
Acid Preserved pH	pH must be less than 2
Base Preserved pH	pH must be greater than 12
NC	Not Checked for pH

Supplemental Sample Receipt Log
Laucks Testing Laboratories

SDG: CAB38
Cooler: AAD447
Temperatures: 2.8
COC #: 44355

Sample	Bottle #	Bottle Description	pH	Bubbles

Allowable temperature and pH ranges (neutral pH defined as a value between 5 and 9)

Temperature	Allowable temperature range is 4+/- 2 degrees Celsius
Acid Preserved pH	pH must be less than 2
Base Preserved pH	pH must be greater than 12
NC	Not Checked for pH

Supplemental Sample Receipt Log
Laucks Testing Laboratories

SDG: CAB38

Cooler: AAD523

Temperatures: 3.5

COC #: 44356

Sample	Bottle #	Bottle Description	pH	Bubbles
CAB38-006	0004	1000 mL boston round, amber glass	7	N/A
	0005	1000 mL boston round, amber glass	7	N/A
	0006	1000 mL boston round, amber glass	7	N/A
	0007	1000 mL boston round, amber glass	7	N/A
	0008	500 ml cylinder, poly	7	N/A
CAB38-007	0004	1000 mL boston round, amber glass	7	N/A
	0005	1000 mL boston round, amber glass	7	N/A
	0006	1000 mL boston round, amber glass	7	N/A
	0007	1000 mL boston round, amber glass	7	N/A
	0008	500 ml cylinder, poly	7	N/A

Allowable temperature and pH ranges (neutral pH defined as a value between 5 and 9)

Temperature	Allowable temperature range is 4+/- 2 degrees Celsius
Acid Preserved pH	pH must be less than 2
Base Preserved pH	pH must be greater than 12
NC	Not Checked for pH

Supplemental Sample Receipt Log
Laucks Testing Laboratories

SDG: CAB38
Cooler: AAK817
Temperatures: 2.9
COC #: 44358

Sample	Bottle #	Bottle Description	pH	Bubbles
CAB38-001	0001	1000 mL boston round, amber glass	7	N/A
	0002	1000 mL boston round, amber glass	7	N/A
	0003	1000 mL boston round, amber glass	7	N/A
	0004	1000 mL boston round, amber glass	7	N/A
	0005	1000 mL boston round, amber glass	7	N/A
	0006	1000 mL boston round, amber glass	7	N/A
	0007	1000 mL boston round, amber glass	7	N/A
	0008	1000 mL boston round, amber glass	7	N/A
	0009	1000 mL cylinder, poly	7	N/A
	0010	1000 mL cylinder, poly, HNO3	<2	N/A
	0011	40 ml OTWS, clear glass, H3PO4	N/C	N/A
	0012	40 ml OTWS, clear glass, H3PO4	N/C	N/A
	0013	40 ml OTWS, clear glass, HCl	N/C	None
	0014	40 ml OTWS, clear glass, HCl	N/C	None
	0015	40 ml OTWS, clear glass, HCl	N/C	None
	0016	500 ml boston round, clear glass, HCl	<2	N/A
	0017	500 ml boston round, clear glass, HCl	<2	N/A
	0018	500 ml cylinder, poly	7	N/A
CAB38-002	0001	1000 mL cylinder, poly, HNO3 Filtered	<2	N/A
	0002	40 ml OTWS, clear glass, H3PO4	N/C	N/A
	0003	40 ml OTWS, clear glass, H3PO4	N/C	N/A

Allowable temperature and pH ranges (neutral pH defined as a value between 5 and 9)

Temperature	Allowable temperature range is 4+/- 2 degrees Celsius
Acid Preserved pH	pH must be less than 2
Base Preserved pH	pH must be greater than 12
NC	Not Checked for pH

Supplemental Sample Receipt Log
Laucks Testing Laboratories

SDG: CAB38
Cooler: AAP098
Temperatures: 3.0
COC #: 44357

Sample	Bottle #	Bottle Description	pH	Bubbles
CAB38-008	0004	1000 mL boston round, amber glass	7	N/A
	0005	1000 mL boston round, amber glass	7	N/A
	0006	1000 mL boston round, amber glass	7	N/A
	0007	1000 mL boston round, amber glass	7	N/A
	0008	500 ml cylinder, poly	7	N/A
CAB38-009	0004	1000 mL boston round, amber glass	7	N/A
	0005	1000 mL boston round, amber glass	7	N/A
	0006	1000 mL boston round, amber glass	7	N/A
	0007	1000 mL boston round, amber glass	7	N/A
	0008	500 ml cylinder, poly	7	N/A

Allowable temperature and pH ranges (neutral pH defined as a value between 5 and 9)

Temperature	Allowable temperature range is 4+/- 2 degrees Celsius
Acid Preserved pH	pH must be less than 2
Base Preserved pH	pH must be greater than 12
NC	Not Checked for pH

LAUCKS TESTING LABORATORIES
940 S. Harney
Seattle, WA 98108

ATTACHMENT B

Index

LAUCKS TESTING LABORATORIES
940 S. Harney
Seattle, WA 98108

PBS Engineering & Environmental

SDG No.: CAB38

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III. Index: 25-26

IV. Forms Summary: SUM- 1-268

Completed and checked by: Jenni Gross Date: 11/9/07

FORM SUMMARY

SDG # CAB38

Volatiles Analysis

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Laucks Testing Labs Contract:

SDG No.: CAB38 Run Sequence: R022056

Level: (LOW/MED) NONE

CLIENT SAMPLE NUMBER	SMC1 (DBF) #	SMC2 (DCA) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
(CAB38-010) 16LCMW430W	109	105	100	101	0
(CAB38-009) 16L4MW01BW	109	105	99	103	0
(CAB38-008) 16L4MW01AW	108	105	99	102	0
(CAB38-007) 16L4MW440W	108	104	100	102	0
(CAB38-006) 16L4MW07BW	108	105	99	102	0
(CAB38-004) 16L4MW18W	108	104	99	103	0
(CAB38-003) 16L4MW17W	108	105	99	102	0
(CAB38-005) TRIP BLANK	108	104	100	101	0
(B100207MVOWB2) B100207MVOWB2	108	104	99	100	0
(S100207MVOWB1) S100207MVOWB1	104	99	102	101	0

		QC LIMITS
SMC1 (DBF) =	Dibromofluoromethane	85-115
SMC2 (DCA) =	1,2-Dichloroethane-d4	70-120
SMC3 (TOL) =	Toluene-d8	85-120
SMC4 (BFB) =	4-Bromofluorobenzene	75-120

Column to be used to flag recovery values
* Values outside of contract required QC limits

3B
WATER VOLATILE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R022056 SDG No.: CAB38

BS Lab Sample ID: S100207MVOWB1

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
Dichlorodifluoromethane	50.0	34.8	70	30-155
Chloromethane	50.0	44.55	89	40-125
Vinyl chloride	50.0	47.3	95	50-145
Bromomethane	50.0	43.33	87	30-145
Chloroethane	50.0	46.75	94	60-135
Trichlorofluoromethane	50.0	48.14	96	60-145
1,1-Dichloroethene	50.0	46.26	93	70-130
Acetone	50.0	42.98	86	40-140
Carbon disulfide	50.0	23.47	47	35-160
Methylene chloride	50.0	48.02	96	55-140
trans-1,2-Dichloroethene	50.0	49.11	98	60-140
1,1-Dichloroethane	50.0	51.95	104	70-135
cis-1,2-Dichloroethene	50.0	48.34	97	70-125
2-Butanone	50.0	48.63	97	30-150
Chloroform	50.0	51.91	104	65-135
1,1,1-Trichloroethane	50.0	52.94	106	65-130
Carbon tetrachloride	50.0	55.75	112	65-140
Benzene	50.0	49.21	98	80-120
1,2-Dichloroethane	50.0	48.25	97	70-130
Trichloroethene	50.0	51.03	102	70-125
1,2-Dichloropropane	50.0	49.61	99	75-125
Bromodichloromethane	50.0	50.24	100	75-120
cis-1,3-Dichloropropene	50.0	53.65	107	70-130
4-Methyl-2-pentanone	50.0	49.43	99	60-135
Toluene	50.0	49.01	98	75-120
trans-1,3-Dichloropropene	50.0	52.18	104	55-140
1,1,2-Trichloroethane	50.0	47.29	95	75-125
Tetrachloroethene	50.0	51.06	102	45-150
2-Hexanone	50.0	47.03	94	55-130
Dibromochloromethane	50.0	53.05	106	60-135
Chlorobenzene	50.0	50.12	100	80-120
Ethylbenzene	50.0	50.18	100	75-125
m,p-Xylene	100	104.45	104	75-130
o-Xylene	50.0	51.89	104	80-120

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

Spike Recovery: 0 out of 37 outside limits

COMMENTS:

3B
WATER VOLATILE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R022056 SDG No.: CAB38

BS Lab Sample ID: S100207MVOWB1

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
Styrene	50.0	51.47	103	65-135
Bromoform	50.0	54.39	109	70-130
1,1,2,2-Tetrachloroethane	50.0	48.75	98	65-130

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

Spike Recovery: 0 out of 37 outside limits

COMMENTS:

4

VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

B100207MVOWB2

Lab Name: Laucks Testing Labs Contract:

SDG No.: CAB38

Lab File ID: B1002012.D Lab Sample ID: B100207MVOWB2

Date Analyzed: 10/02/2007 Time Analyzed: 10:20

GC Column: ZB-624 20m ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: 5973B Matrix: Water

	CLIENT SAMPLE NO.	LAB SAMPLE ID.	LAB FILE ID.	DATE ANALYZED	TIME ANALYZED	RUN SEQUENCE
01	S100207MVOWB1	S100207MVOWB1	B1002009.D	10/02/2007	09:07	R022056
02	TRIP BLANK	CAB38-005	B1002017.D	10/02/2007	12:28	R022056
03	16L4MW17W	CAB38-003	B1002019.D	10/02/2007	13:19	R022056
04	16L4MW18W	CAB38-004	B1002020.D	10/02/2007	13:45	R022056
05	16L4MW07BW	CAB38-006	B1002021.D	10/02/2007	14:10	R022056
06	16L4MW440W	CAB38-007	B1002022.D	10/02/2007	14:36	R022056
07	16L4MW01AW	CAB38-008	B1002023.D	10/02/2007	15:01	R022056
08	16L4MW01BW	CAB38-009	B1002024.D	10/02/2007	15:26	R022056
09	16LCMW430W	CAB38-010	B1002025.D	10/02/2007	15:52	R022056
10						
11						
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14						
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17						
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30						

COMMENTS:

CLIENT SAMPLE NO.

BFB

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Laucks Testing Labs Contract:

Run Sequence: CAL1145 SDG No.: CAB38

Lab File ID: B0928057.D BFB Injection Date: 09/28/2007

Instrument ID: 5973B BFB Injection Time: 08:09

GC Column ZB-624 20m ID: 0.18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15% to 40% of mass 95	17.7
75	30% to 60% of mass 95	45.9
95	base peak, 100% relative abundance	100
96	5% to 9% of mass 95	6.7
173	less than 2% of mass 174	0()1
174	greater than 50% of mass 95	101.1
175	5% to 9% of mass 17	7.4()1
176	greater than 95%, but less than 101% of mass 174	96.6()1
177	5% to 9% of mass 176	6.5()2

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

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0.3	VSTD0.3	B0928058.D	09/29/2007	08:35
02	VSTD0.5	VSTD0.5	B0928059.D	09/29/2007	09:00
03	VSTD001	VSTD001	B0928060.D	09/29/2007	09:26
04	VSTD005	VSTD005	B0928061.D	09/29/2007	09:51
05	VSTD010	VSTD010	B0928062.D	09/29/2007	10:17
06	VSTD050	VSTD050	B0928063.D	09/29/2007	10:43
07	VSTD100	VSTD100	B0928064.D	09/29/2007	11:08
08	VSTD200	VSTD200	B0928065.D	09/29/2007	11:33
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5

CLIENT SAMPLE NO.

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

BFB25NG/VSTD050B3

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022056 SDG No.: CAB38

Lab File ID: B1002008.D BFB Injection Date: 10/02/2007

Instrument ID: 5973B BFB Injection Time: 08:41

GC Column ZB-624 20m ID: 0.18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15% to 40% of mass 95	16.7
75	30% to 60% of mass 95	44.7
95	base peak, 100% relative abundance	100
96	5% to 9% of mass 95	6.6
173	less than 2% of mass 174	0()1
174	greater than 50% of mass 95	98
175	5% to 9% of mass 17	7.5()1
176	greater than 95%, but less than 101% of mass 174	98()1
177	5% to 9% of mass 176	6.6()2

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

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050B3	VSTD050B3	B1002008a.d	10/02/2007	08:41
02	S100207MVOWB1	S100207MVOWB1	B1002009.D	10/02/2007	09:07
03	B100207MVOWB2	B100207MVOWB2	B1002012.D	10/02/2007	10:20
04	TRIP BLANK	CAB38-005	B1002017.D	10/02/2007	12:28
05	16L4MW17W	CAB38-003	B1002019.D	10/02/2007	13:19
06	16L4MW18W	CAB38-004	B1002020.D	10/02/2007	13:45
07	16L4MW07BW	CAB38-006	B1002021.D	10/02/2007	14:10
08	16L4MW440W	CAB38-007	B1002022.D	10/02/2007	14:36
09	16L4MW01AW	CAB38-008	B1002023.D	10/02/2007	15:01
10	16L4MW01BW	CAB38-009	B1002024.D	10/02/2007	15:26
11	16LCMW430W	CAB38-010	B1002025.D	10/02/2007	15:52
12					
13					
14					
15					
16					
17					
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19					
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21					
22					

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022056 SDG No.: CAB38

Client Sample No.(VSTD050##): VSTD050B3 Date Analyzed: 10/02/2007

Lab File ID (Standard): B1002008a.d Time Analyzed: 08:41

Instrument ID: 5973B Heated Purge: (Y/N) N

GC Column: ZB-624 20m ID: 0.18 (mm)

		IS1 (FBZ) AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DCB) AREA #	RT #
	12 HOUR STD	892633	6.16	733848	9.36	453630	11.67
	UPPER LIMIT	1785266	6.66	1467696	9.86	907260	12.17
	LOWER LIMIT	446316.5	5.66	366924	8.86	226815	11.17
	CLIENT SAMPLE NO.						
01	S100207MVOWB1	906953	6.16	741811	9.36	461212	11.67
02	B100207MVOWB2	845641	6.17	699356	9.36	426995	11.67
03	TRIP BLANK	835765	6.17	690983	9.36	416661	11.67
04	16L4MW17W	814135	6.17	683129	9.36	411938	11.67
05	16L4MW18W	840989	6.17	701348	9.36	416819	11.67
06	16L4MW07BW	824554	6.17	686284	9.36	408740	11.67
07	16L4MW440W	843233	6.17	707827	9.36	421112	11.67
08	16L4MW01AW	838561	6.17	702650	9.36	416045	11.67
09	16L4MW01BW	807050	6.17	670390	9.36	404698	11.67
10	16LCMW430W	826529	6.17	681607	9.36	408842	11.67
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (FBZ) = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

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

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW17W

Lab Name: _____ Contract: _____

SDG No.: CAB38 Run Sequence: R022056

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB38-003

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: B1002019.D

Level: (LOW/MED) _____ Date Collected: 09/20/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/02/2007 13:19

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW17W

Lab Name: _____ Contract: _____

SDG No.: CAB38 Run Sequence: R022056

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB38-003

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: B1002019.D

Level: (LOW/MED) _____ Date Collected: 09/20/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/02/2007 13:19

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
179601-23	m,p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

Comments:

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW18W

Lab Name: _____ Contract: _____

SDG No.: CAB38 Run Sequence: R022056

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB38-004

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: B1002020.D

Level: (LOW/MED) _____ Date Collected: 09/20/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/02/2007 13:45

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW18W

Lab Name: _____ Contract: _____

SDG No.: CAB38 Run Sequence: R022056

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB38-004

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: B1002020.D

Level: (LOW/MED) _____ Date Collected: 09/20/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/02/2007 13:45

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
179601-23	m,p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

Comments:

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK

Lab Name: _____ Contract: _____

SDG No.: CAB38 Run Sequence: R022056

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB38-005

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: B1002017.D

Level: (LOW/MED) _____ Date Collected: 09/20/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/02/2007 12:28

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK

Lab Name: _____ Contract: _____

SDG No.: CAB38 Run Sequence: R022056

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB38-005

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: B1002017.D

Level: (LOW/MED) _____ Date Collected: 09/20/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/02/2007 12:28

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
179601-23	m,p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

Comments:

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW07BW

Lab Name: _____ Contract: _____

SDG No.: CAB38 Run Sequence: R022056

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB38-006

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: B1002021.D

Level: (LOW/MED) _____ Date Collected: 09/20/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/02/2007 14:10

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW07BW

Lab Name: _____ Contract: _____

SDG No.: CAB38 Run Sequence: R022056

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB38-006

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: B1002021.D

Level: (LOW/MED) _____ Date Collected: 09/20/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/02/2007 14:10

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
179601-23	m,p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

Comments:

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW440W

Lab Name: _____ Contract: _____

SDG No.: CAB38 Run Sequence: R022056

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB38-007

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: B1002022.D

Level: (LOW/MED) _____ Date Collected: 09/20/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/02/2007 14:36

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW440W

Lab Name: _____ Contract: _____

SDG No.: CAB38 Run Sequence: R022056

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB38-007

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: B1002022.D

Level: (LOW/MED) _____ Date Collected: 09/20/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/02/2007 14:36

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
179601-23	m,p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

Comments:

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW01AW

Lab Name: _____ Contract: _____

SDG No.: CAB38 Run Sequence: R022056

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB38-008

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: B1002023.D

Level: (LOW/MED) _____ Date Collected: 09/20/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/02/2007 15:01

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW01AW

Lab Name: _____ Contract: _____

SDG No.: CAB38 Run Sequence: R022056

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB38-008

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: B1002023.D

Level: (LOW/MED) _____ Date Collected: 09/20/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/02/2007 15:01

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
179601-23	m,p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

Comments:

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW01BW

Lab Name: _____ Contract: _____

SDG No.: CAB38 Run Sequence: R022056

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB38-009

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: B1002024.D

Level: (LOW/MED) _____ Date Collected: 09/20/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/02/2007 15:26

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW01BW

Lab Name: _____ Contract: _____

SDG No.: CAB38 Run Sequence: R022056

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB38-009

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: B1002024.D

Level: (LOW/MED) _____ Date Collected: 09/20/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/02/2007 15:26

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
179601-23	m,p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

Comments:

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW430W

Lab Name: _____ Contract: _____

SDG No.: CAB38 Run Sequence: R022056

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB38-010

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: B1002025.D

Level: (LOW/MED) _____ Date Collected: 09/20/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/02/2007 15:52

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	6.2	
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW430W

Lab Name: _____ Contract: _____

SDG No.: CAB38 Run Sequence: R022056

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB38-010

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: B1002025.D

Level: (LOW/MED) _____ Date Collected: 09/20/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/02/2007 15:52

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
179601-23	m,p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

Comments:

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022056 SDG No.: CAB38

Instrument ID: 5973B Calibration Dates: 09/28/2007 11:33

Heated Purge: (Y/N) N Calibration Times: 09/28/2007 11:33

GC Column: ZB-624 20m ID: 0.18 (mm) Mean % RSD: 8.56

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8	$\overline{RF}$	%RSD	r^2 COD	Eq Ty
Dichlorodifluoromethane	0.3		0.5	1.580E-01	1	1.170E-01	5	1.700E-01	10	2.110E-01	50	2.169E-01	100	2.340E-01	200	2.179E-01	0.189		0.999	Q
Chloromethane	0.3		0.5	3.619E-01	1	2.920E-01	5	3.140E-01	10	3.249E-01	50	3.420E-01	100	3.310E-01	200	3.170E-01	0.326	6.84		A
Vinyl chloride	0.3		0.5	2.910E-01	1	2.130E-01	5	2.730E-01	10	3.000E-01	50	3.160E-01	100	3.140E-01	200	3.010E-01	0.287	12.46		A
Bromomethane	0.3		0.5	2.230E-01	1	1.720E-01	5	1.640E-01	10	1.690E-01	50	1.680E-01	100	1.560E-01			0.175	13.84		A
Chloroethane	0.3		0.5	2.029E-01	1	1.530E-01	5	1.640E-01	10	1.739E-01	50	1.800E-01	100	1.659E-01	200	1.470E-01	0.170	11.06		A
Trichlorofluoromethane	0.3		0.5	3.050E-01	1	2.230E-01	5	2.850E-01	10	3.440E-01	50	3.660E-01	100	3.750E-01	200	3.619E-01	0.323		1.000	L
1,1-Dichloroethene	0.3		0.5	2.630E-01	1	1.890E-01	5	2.389E-01	10	2.230E-01	50	2.590E-01	100	2.480E-01	200	2.509E-01	0.239	10.80		A
Acetone	0.3		1	9.000E-02	5	8.100E-02	10	7.400E-02	50	9.000E-02	100	8.600E-02	200	8.800E-02			0.085	7.31		A
Carbon disulfide	0.3		0.5	7.400E-01	1	6.050E-01	5	7.319E-01	10	6.909E-01	50	8.389E-01	100	7.699E-01	200	8.140E-01	0.741	10.59		A
Methylene chloride	0.3		0.5	1.057E+00	1	7.640E-01	5	3.459E-01	10	3.709E-01	50	3.039E-01	100	2.940E-01	200	2.890E-01	0.489		1.000	Q
trans-1,2-Dichloroethene	0.3		0.5	3.000E-01	1	2.579E-01	5	2.759E-01	10	2.750E-01	50	3.030E-01	100	2.890E-01	200	2.899E-01	0.284	5.51		A
1,1-Dichloroethane	0.3		0.5	4.620E-01	1	4.429E-01	5	4.709E-01	10	4.569E-01	50	5.009E-01	100	4.790E-01	200	4.819E-01	0.471	4.04		A
cis-1,2-Dichloroethene	0.3		0.5	3.380E-01	1	3.089E-01	5	2.930E-01	10	2.829E-01	50	3.160E-01	100	3.019E-01	200	3.089E-01	0.307	5.69		A
2-Butanone	0.3		0.5		1	1.480E-01	5	1.240E-01	10	1.270E-01	50	1.410E-01	100	1.460E-01	200	1.470E-01	0.139	7.60		A
Chloroform	0.3	4.650E-01	0.5	4.930E-01	1	4.460E-01	5	4.550E-01	10	4.639E-01	50	4.889E-01	100	4.670E-01	200	4.709E-01	0.469	3.39		A
1,1,1-Trichloroethane	0.3		0.5	3.899E-01	1	3.100E-01	5	3.610E-01	10	3.639E-01	50	4.149E-01	100	3.919E-01	200	3.950E-01	0.375	9.14		A
Carbon tetrachloride	0.3		0.5	3.070E-01	1	2.370E-01	5	3.210E-01	10	3.140E-01	50	3.720E-01	100	3.590E-01	200	3.630E-01	0.325	14.38		A
Benzene	0.3	1.147E+00	0.5	1.191E+00	1	1.059E+00	5	1.094E+00	10	1.100E+00	50	1.224E+00	100	1.201E+0	200	1.224E+00	1.155	5.56		A
1,2-Dichloroethane	0.3		0.5	3.689E-01	1	3.470E-01	5	3.350E-01	10	3.400E-01	50	3.630E-01	100	3.600E-01	200	3.590E-01	0.353	3.60		A
Trichloroethene	0.3		0.5	2.930E-01	1	2.529E-01	5	2.930E-01	10	2.920E-01	50	3.319E-01	100	3.240E-01	200	3.319E-01	0.303	9.49		A
1,2-Dichloropropane	0.3		0.5	2.579E-01	1	2.570E-01	5	2.640E-01	10	2.680E-01	50	2.930E-01	100	2.899E-01	200	2.969E-01	0.275	6.31		A
Bromodichloromethane	0.3		0.5	3.660E-01	1	3.150E-01	5	3.400E-01	10	3.470E-01	50	3.779E-01	100	3.770E-01	200	3.849E-01	0.359	7.06		A
cis-1,3-Dichloropropene	0.3		0.5	3.490E-01	1	3.759E-01	5	3.619E-01	10	3.880E-01	50	4.250E-01	100	4.269E-01	200	4.440E-01	0.396	9.18		A
4-Methyl-2-pentanone	0.3		1	2.450E-01	5	2.780E-01	10	2.899E-01	50	3.129E-01	100	3.140E-01	200	3.220E-01			0.294	9.87		A

Eq Ty = Equation Type
Q=Quadratic, L=Linear, A=Average

* SPCCs #

SUM - 25

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022056 SDG No.: CAB38

Instrument ID: 5973B Calibration Dates: 09/28/2007 11:33

Heated Purge: (Y/N) N Calibration Times: 09/28/2007 11:33

GC Column: ZB-624 20m ID: 0.18 (mm) Mean % RSD: 8.56

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8	$\overline{RF}$	%RSD	r^2 COD	Eq Ty
Toluene	0.3		0.5	8.029E-01	1	7.630E-01	5	8.100E-01	10	8.100E-01	50	9.229E-01	100	9.060E-01	200	9.300E-01	0.849	8.01		A
trans-1,3-Dichloropropene	0.3		0.5	3.980E-01	1	4.020E-01	5	4.170E-01	10	4.339E-01	50	4.869E-01	100	4.900E-01	200	4.990E-01	0.447	9.90		A
1,1,2-Trichloroethane	0.3		0.5	3.019E-01	1	2.879E-01	5	2.879E-01	10	2.949E-01	50	3.240E-01	100	3.179E-01	200	3.220E-01	0.305	5.14		A
Tetrachloroethene	0.3		0.5	3.700E-01	1	3.380E-01	5	4.100E-01	10	3.709E-01	50	4.280E-01	100	4.090E-01	200	4.180E-01	0.392	8.36		A
2-Hexanone	0.3		0.5	2.820E-01	1	2.330E-01	5	2.270E-01	10	2.290E-01	50	2.680E-01	100	2.720E-01	200	2.730E-01	0.255	9.43		A
Dibromochloromethane	0.3		0.5	3.120E-01	1	2.940E-01	5	3.260E-01	10	3.470E-01	50	3.800E-01	100	3.790E-01	200	3.820E-01	0.346	10.43		A
Chlorobenzene	0.3		0.5	9.770E-01	1	9.160E-01	5	9.359E-01	10	9.359E-01	50	1.018E+00	100	9.959E-01	200	1.003E+00	0.969	4.08		A
Ethylbenzene	0.3		0.5	1.467E+00	1	1.285E+00	5	1.495E+00	10	1.503E+00	50	1.729E+00	100	1.699E+0	200	1.739E+00	1.560	10.85		A
m,p-Xylene	0.3		1	5.559E-01	2	5.220E-01	10	5.830E-01	20	5.929E-01	100	6.819E-01	200	6.650E-01	400	6.760E-01	0.611	10.38		A
o-Xylene	0.3		0.5	5.799E-01	1	5.339E-01	5	5.780E-01	10	5.860E-01	50	6.740E-01	100	6.629E-01	200	6.670E-01	0.612	9.07		A
Styrene	0.3		0.5	9.610E-01	1	9.049E-01	5	1.024E+00	10	1.071E+00	50	1.201E+00	100	1.188E+0	200	1.200E+00	1.079	11.28		A
Bromoform	0.3		0.5	2.370E-01	1	2.350E-01	5	2.560E-01	10	2.669E-01	50	3.000E-01	100	3.019E-01	200	3.030E-01	0.272	11.22		A
1,1,2,2-Tetrachloroethane	0.3		0.5	7.020E-01	1	6.859E-01	5	7.049E-01	10	7.390E-01	50	8.069E-01	100	7.920E-01	200	8.050E-01	0.748	7.02		A
Dibromofluoromethane	50	2.750E-01	50	2.780E-01	50	2.820E-01	55	2.710E-01	60	2.680E-01	65	2.570E-01	70	2.540E-01	75	2.509E-01	0.267	4.38		A
1,2-Dichloroethane-d4	50	2.640E-01	50	2.660E-01	55	2.610E-01	60	2.570E-01	65	2.500E-01	70	2.490E-01	75	2.469E-01			0.257	3.01		A
Toluene-d8	50	1.202E+00	50	1.227E+00	55	1.202E+00	60	1.173E+00	65	1.168E+00	70	1.163E+00	75	1.174E+0			1.189	1.88		A
4-Bromofluorobenzene	50	8.019E-01	50	8.050E-01	50	8.080E-01	55	7.929E-01	60	7.770E-01	65	7.730E-01	70	7.630E-01	75	7.680E-01	0.786	2.29		A

SUM - 26

Eq Ty = Equation Type
Q=Quadratic, L=Linear, A=Average

* SPCCs #

INITIAL
SECOND SOURCE CALIBRATION VERIFICATION

Lab Name: Laucks Testing Laboratories, Inc. Initial Calibration ID: B8260W-092807

Instrument ID: 5973B Concentration Units: ug/L

2nd Source ID: ICV092907MVOWB2

Analyte	Equation Type	Expected	Found	%D
1,1,1,2-Tetrachloroethane	A	50.00	52.11	4.22
1,1,1-Trichloroethane	A	50.00	56.43	12.86
1,1,2,2-Tetrachloroethane	A	50.00	50.49	0.98
1,1,2-Trichloroethane	A	50.00	50.68	1.36
1,1-Dichloroethane	A	50.00	55.29	10.58
1,1-Dichloroethene	A	50.00	53.12	6.24
1,1-Dichloropropene	A	50.00	58.66	17.32
1,2,3-Trichlorobenzene	A	50.00	53.81	7.62
1,2,3-Trichloropropane	A	50.00	50.56	1.12
1,2,4-Trichlorobenzene	A	50.00	54.16	8.32
1,2,4-Trimethylbenzene	A	50.00	53.60	7.20
1,2-Dibromo-3-chloropropane	A	50.00	52.07	4.14
1,2-Dibromoethane	A	50.00	51.27	2.54
1,2-Dichlorobenzene	A	50.00	52.37	4.74
1,2-Dichloroethane	A	50.00	50.85	1.70
1,2-Dichloroethane-d4	A	50.00	49.90	0.20
1,2-Dichloropropane	A	50.00	51.74	3.48
1,3,5-Trimethylbenzene	A	50.00	53.50	7.00
1,3-Dichlorobenzene	A	50.00	52.80	5.60
1,3-Dichloropropane	A	50.00	52.09	4.18
1,4-Dichlorobenzene	A	50.00	51.54	3.08
1-Chlorohexane	A	50.00	58.19	16.38
2,2-Dichloropropane	A	50.00	84.06	68.12
2-Butanone	A	50.00	49.88	0.24
2-Chlorotoluene	A	50.00	53.18	6.36
2-Hexanone	A	50.00	52.63	5.26
4-Bromofluorobenzene	A	50.00	50.38	0.76
4-Chlorotoluene	A	50.00	53.73	7.46
4-Isopropyltoluene	A	50.00	56.83	13.66
4-Methyl-2-pentanone	A	50.00	53.89	7.78
Acetone	A	50.00	43.10	13.80
Benzene	A	50.00	51.68	3.36
Bromobenzene	A	50.00	49.95	0.10
Bromochloromethane	A	50.00	54.10	8.20
Bromodichloromethane	A	50.00	52.06	4.12
Bromoform	A	50.00	55.75	11.50
Bromomethane	A	50.00	42.92	14.16
Carbon disulfide	A	50.00	57.99	15.98
Carbon tetrachloride	A	50.00	58.78	17.56
Chlorobenzene	A	50.00	52.38	4.76
Chloroethane	A	50.00	46.93	6.14
Chloroform	A	50.00	53.35	6.70
Chloromethane	A	50.00	49.15	1.70

NDL 2 10/29/07

INITIAL
SECOND SOURCE CALIBRATION VERIFICATION

Lab Name: Laucks Testing Laboratories, Inc. Initial Calibration ID: B8260W-092807

Instrument ID: 5973B Concentration Units: ug/L

2nd Source ID: ICV092907MVOWB2

Analyte	Equation Type	Expected	Found	%D
cis-1,2-Dichloroethene	A	50.00	50.22	0.44
cis-1,3-Dichloropropene	A	50.00	57.32	14.64
Dibromochloromethane	A	50.00	55.55	11.10
Dibromofluoromethane	A	50.00	51.17	2.34
Dibromomethane	A	50.00	52.33	4.66
Dichlorodifluoromethane	Q	50.00	45.79	8.42
Ethyl-t-Butyl Ether(ETBE)	A	50.00	56.54	13.08
Ethylbenzene	A	50.00	53.77	7.54
Hexachlorobutadiene	A	50.00	53.24	6.48
Isopropyl ether	A	50.00	56.51	13.02
Isopropylbenzene	A	50.00	59.21	18.42
m,p-Xylene	A	100.00	111.06	11.06
Methyl tert-butyl ether	A	50.00	56.05	12.10
Methylene chloride	Q	50.00	51.24	2.48
n-Butylbenzene	Q	50.00	50.45	0.90
n-Propylbenzene	A	50.00	56.23	12.46
Naphthalene	A	50.00	57.60	15.20
o-Xylene	A	50.00	54.79	9.58
sec-Butylbenzene	Q	50.00	52.31	4.62
Styrene	A	50.00	53.37	6.74
t-Amyl Methyl Ether(TAME)	A	50.00	54.97	9.94
t-Butyl Alcohol	A	500.00	560.97	12.19
tert-Butylbenzene	A	50.00	56.16	12.32
Tetrachloroethene	A	50.00	55.25	10.50
Toluene	A	50.00	52.72	5.44
Toluene-d8	A	50.00	52.01	4.02
trans-1,2-Dichloroethene	A	50.00	52.26	4.52
trans-1,3-Dichloropropene	A	50.00	56.66	13.32
Trichloroethene	A	50.00	53.16	6.32
Trichlorofluoromethane	L	50.00	50.72	1.44
Vinyl chloride	A	50.00	51.77	3.54

Q=Quadratic, L=Linear, A=Average

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022056 SDG No.: CAB38

Instrument ID: 5973B Calibration Date: 10/02/2007 Time: 08:41

Lab File ID: quant.csv Init. Calib. Date(s): 09/28/2007 09/29/2007

Client Sample No.: VSTD050B3 Init. Calib. Time(s): 08:09 11:33

Heated Purge: (Y/N) N GC Column: ZB-624 20m ID: 0.18 (mm)

Compound	Equation Type	RF 50.0	%D	%Drift
Dichlorodifluoromethane	Q	0.234		0.66
Chloromethane	A	0.338	-3.83	
Vinyl chloride	A	0.315	-9.86	
Bromomethane	A	0.172	1.51	
Chloroethane	A	0.177	-3.95	
Trichlorofluoromethane	L	0.396		8.78
1,1-Dichloroethene	A	0.280	-17.00	
Acetone	A	0.080	6.01	
Carbon disulfide	A	0.767	-3.47	
Methylene chloride	Q	0.327		8.88
trans-1,2-Dichloroethene	A	0.322	-13.48	
1,1-Dichloroethane	A	0.519	-10.29	
cis-1,2-Dichloroethene	A	0.330	-7.54	
2-Butanone	A	0.137	1.49	
Chloroform	A	0.507	-8.14	
1,1,1-Trichloroethane	A	0.426	-13.62	
Carbon tetrachloride	A	0.394	-21.29*	
Benzene	A	1.274	-10.31	
1,2-Dichloroethane	A	0.373	-5.61	
Trichloroethene	A	0.343	-13.22	
1,2-Dichloropropane	A	0.297	-7.97	
Bromodichloromethane	A	0.389	-8.44	
cis-1,3-Dichloropropene	A	0.460	-16.27	
4-Methyl-2-pentanone	A	0.292	0.61	
Toluene	A	0.921	-8.45	
trans-1,3-Dichloropropene	A	0.509	-13.79	
1,1,2-Trichloroethane	A	0.321	-5.21	
Tetrachloroethene	A	0.428	-9.17	
2-Hexanone	A	0.242	4.99	
Dibromochloromethane	A	0.379	-9.51	
Chlorobenzene	A	1.030	-6.27	
Ethylbenzene	A	1.740	-11.53	

* = %D or %Drift above limit

= %D or %Drift limts are not configured

7

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022056 SDG No.: CAB38

Instrument ID: 5973B Calibration Date: 10/02/2007 Time: 08:41

Lab File ID: quant.csv Init. Calib. Date(s): 09/28/2007 09/29/2007

Client Sample No.: VSTD050B3 Init. Calib. Time(s): 08:09 11:33

Heated Purge: (Y/N) N GC Column: ZB-624 20m ID: 0.18 (mm)

Compound	Equation Type	RF 50.0	%D	%Drift
m,p-Xylene	A	0.683	-11.73	
o-Xylene	A	0.676	-10.52	
Styrene	A	1.217	-12.79	
Bromoform	A	0.299	-10.00	
1,1,2,2-Tetrachloroethane	A	0.783	-4.63	
Dibromofluoromethane	A	0.263	1.39	
1,2-Dichloroethane-d4	A	0.247	4.06	
Toluene-d8	A	1.146	3.66	
4-Bromofluorobenzene	A	0.748	4.86	

* = %D or %Drift above limit

= %D or %Drift limts are not configured

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B100207MVOWB2

Lab Name: _____ Contract: _____

SDG No.: CAB38 Run Sequence: R022056

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: B100207MVOWB2

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: B1002012.D

Level: (LOW/MED) _____ Date Collected: _____

% Moisture: not dec. _____ Date/Time Analyzed: 10/02/2007 10:20

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B100207MVOWB2

Lab Name: _____ Contract: _____

SDG No.: CAB38 Run Sequence: R022056

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: B100207MVOWB2

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: B1002012.D

Level: (LOW/MED) _____ Date Collected: _____

% Moisture: not dec. _____ Date/Time Analyzed: 10/02/2007 10:20

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
179601-23	m,p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

Comments:

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S100207MVOWB1

Lab Name: _____ Contract: _____

SDG No.: CAB38 Run Sequence: R022056

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: S100207MVOWB1

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: B1002009.D

Level: (LOW/MED) _____ Date Collected: _____

% Moisture: not dec. _____ Date/Time Analyzed: 10/02/2007 09:07

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	35	
74-87-3	Chloromethane	45	
75-01-4	Vinyl chloride	47	
74-83-9	Bromomethane	43	
75-00-3	Chloroethane	47	
75-69-4	Trichlorofluoromethane	48	
75-35-4	1,1-Dichloroethene	46	
67-64-1	Acetone	43	
75-15-0	Carbon disulfide	23	
75-09-2	Methylene chloride	48	
156-60-5	trans-1,2-Dichloroethene	49	
75-34-3	1,1-Dichloroethane	52	
156-59-2	cis-1,2-Dichloroethene	48	
78-93-3	2-Butanone	49	
67-66-3	Chloroform	52	
71-55-6	1,1,1-Trichloroethane	53	
56-23-5	Carbon tetrachloride	56	
71-43-2	Benzene	49	
107-06-2	1,2-Dichloroethane	48	
79-01-6	Trichloroethene	51	
78-87-5	1,2-Dichloropropane	50	
75-27-4	Bromodichloromethane	50	
10061-01-	cis-1,3-Dichloropropene	54	
108-10-1	4-Methyl-2-pentanone	49	
108-88-3	Toluene	49	
10061-02-	trans-1,3-Dichloropropene	52	
79-00-5	1,1,2-Trichloroethane	47	
127-18-4	Tetrachloroethene	51	
591-78-6	2-Hexanone	47	

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S100207MVOWB1

Lab Name: _____ Contract: _____

SDG No.: CAB38 Run Sequence: R022056

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: S100207MVOWB1

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: B1002009.D

Level: (LOW/MED) _____ Date Collected: _____

% Moisture: not dec. _____ Date/Time Analyzed: 10/02/2007 09:07

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	53	
108-90-7	Chlorobenzene	50	
100-41-4	Ethylbenzene	50	
179601-23	m,p-Xylene	100	
95-47-6	o-Xylene	52	
100-42-5	Styrene	51	
75-25-2	Bromoform	54	
79-34-5	1,1,2,2-Tetrachloroethane	49	

Comments:

FORMS SUMMARY

SDG# CAB38

Semivolatiles

2

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Laucks Testing Labs Contract:

SDG No.: CAB38 Run Sequence: R022905

Level: (LOW/MED) NONE

CLIENT SAMPLE NUMBER	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (2FB) #	TOT OUT
(CAB38-001) 16LCMW430W	85	73	84	72	
(S092607MSVWLT) S092607MSVWLT	53	73	101	95	
(B092607MSVWLT) B092607MSVWLT	37	69	96	86	

		QC LIMITS
S1 (2FP) =	2-Fluorophenol	20-110
S2 (PHL) =	Phenol-d5	10-115
S3 (NBZ) =	Nitrobenzene-d5	40-110
S4 (2FB) =	2-Fluorobiphenyl	50-100

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

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Laucks Testing Labs Contract:

SDG No.: CAB38 Run Sequence: R022905

Level: (LOW/MED) NONE

CLIENT SAMPLE NUMBER	S5 (TBP) #	S6 (DTR) #	S7 () #	S8 () #	TOT OUT
(CAB38-001) 16LCMW430W	87	93			0
(S092607MSVWLT) S092607MSVWLT	92	101			0
(B092607MSVWLT) B092607MSVWLT	82	96			0

		QC LIMITS
S5 (TBP) =	2,4,6-Tribromophenol	40-125
S6 (DTR) =	Terphenyl-dl4	50-135
S7 () =		
S8 () =		

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

3B
WATER SEMIVOLATILE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R022905 SDG No.: CAB38

BS Lab Sample ID: S092607MSVWLT

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
3 & 4-Methylphenol	20.0	15.97	80	30-110
Bis(2-chloroisopropyl)ether	20.0	17.63	88	35-110
Phenol	20.0	15.22	76	23-98
Bis(2-Chloroethyl)ether	20.0	15.31	77	35-110
2-Chlorophenol	20.0	13.95	70	35-105
1,3-Dichlorobenzene	20.0	9.68	48	30-100
1,4-Dichlorobenzene	20.0	9.38	47	30-100
Benzyl alcohol	20.0	16.64	83	30-110
1,2-Dichlorobenzene	20.0	10.34	52	35-100
2-Methylphenol	20.0	15.41	77	40-110
N-Nitroso-di-n-propylamine	20.0	19.52	98	35-130
Hexachloroethane	20.0	9.09	45	30-95
Nitrobenzene	20.0	16.47	82	45-110
Isophorone	20.0	18.09	90	50-110
2-Nitrophenol	20.0	16.53	83	40-115
2,4-Dimethylphenol	20.0	9.36	47	30-110
Benzoic acid	20.0	0.55	3	0-125
Bis(2-chloroethoxy)methane	20.0	16.14	81	45-105
2,4-Dichlorophenol	20.0	14.74	74	50-105
1,2,4-Trichlorobenzene	20.0	12.3	62	35-105
Naphthalene	20.0	13.37	67	40-100
4-Chloroaniline	20.0	15.43	77	15-110
Hexachlorobutadiene	20.0	9.65	48	25-105
4-Chloro-3-methylphenol	20.0	17.71	89	45-110
2-Methylnaphthalene	20.0	15.91	80	45-105
Hexachlorocyclopentadiene	20.0	3.52	18	10-49
2,4,6-Trichlorophenol	20.0	15.48	77	50-115
2,4,5-Trichlorophenol	20.0	17.26	86	50-110
2-Chloronaphthalene	20.0	16.79	84	50-105
2-Nitroaniline	20.0	21.22	106	50-115
Dimethylphthalate	20.0	18.82	94	25-125
2,6-Dinitrotoluene	20.0	16.74	84	50-115
Acenaphthylene	20.0	16.65	83	50-105
3-Nitroaniline	20.0	18.66	93	20-125

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

Spike Recovery: 0 out of 67 outside limits

COMMENTS:

3B
WATER SEMIVOLATILE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R022905 SDG No.: CAB38

BS Lab Sample ID: S092607MSVWLT

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
Acenaphthene	20.0	18.12	91	45-110
2,4-Dinitrophenol	20.0	4.86	24	15-140
4-Nitrophenol	20.0	11.97	60	0-125
Dibenzofuran	20.0	18.02	90	55-105
2,4-Dinitrotoluene	20.0	19.64	98	50-120
Diethylphthalate	20.0	18.84	94	40-120
Fluorene	20.0	17.97	90	50-110
4-Chlorophenyl-phenylether	20.0	19.24	96	50-110
4-Nitroaniline	20.0	18.51	93	35-120
4,6-Dinitro-2-methylphenol	20.0	11.91	60	40-130
N-Nitrosodiphenylamine	20.0	13.9	70	50-110
4-Bromophenyl-phenyl ether	20.0	16.3	82	50-115
Hexachlorobenzene	20.0	16.62	83	50-110
Pentachlorophenol	20.0	12.86	64	40-115
Phenanthrene	20.0	16.44	82	50-115
Anthracene	20.0	16.43	82	55-110
Carbazole	20.0	18.09	90	50-115
Di-n-butylphthalate	20.0	18.42	92	55-115
Fluoranthene	20.0	18.04	90	55-115
Benzidine	20.0	1.29	6	0-125
Pyrene	20.0	16.96	85	50-130
Butylbenzylphthalate	20.0	18.08	90	45-115
3,3'-Dichlorobenzidine	20.0	16.52	83	20-110
Benzo(a)anthracene	20.0	16.62	83	55-110
Bis(2-ethylhexyl)phthalate	20.0	19.3	97	40-125
Chrysene	20.0	17.77	89	55-110
Di-n-octylphthalate	20.0	16.21	81	35-135
Benzo(b)fluoranthene	20.0	14.37	72	45-120
Benzo(k)fluoranthene	20.0	15.27	76	45-125
Benzo(a)pyrene	20.0	13.77	69	55-110
Indeno(1,2,3-cd)pyrene	20.0	17.97	90	45-125
Dibenzo(a,h)anthracene	20.0	17.65	88	40-125
Benzo(g,h,i)perylene	20.0	18.55	93	40-125

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

Spike Recovery: 0 out of 67 outside limits

COMMENTS:

4

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

B092607MSVWLT

Lab Name: Laucks Testing Labs Contract:

SDG No.: CAB38

Lab File ID: T1026003.D Lab Sample ID: B092607MSVWLT

Date Analyzed: 10/26/2007 Time Analyzed: 08:43

GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: HP 5972 (Donald) Matrix: Water

	CLIENT SAMPLE NO.	LAB SAMPLE ID.	LAB FILE ID.	DATE ANALYZED	TIME ANALYZED	RUN SEQUENCE
01	S092607MSVWLT	S092607MSVWLT	T1026004.D	10/26/2007	09:14	R022905
02	16LCMW430W	CAB38-001	T1026014.D	10/26/2007	14:31	R022905
03						
04						
05						
06						
07						
08						
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COMMENTS:

5

SEMIVOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

CLIENT SAMPLE NO.

DFTPP102207-1

Lab Name: Laucks Testing Labs Contract:

Run Sequence: CAL1199 SDG No.: CAB38

Lab File ID: T1022001.D DFTPP Injection Date: 10/22/2007

Instrument ID: HP 5972 (Donald) DFTPP Injection Time: 10:53

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30% to 60% of mass 198	39.9
68	less than 2% of mass 69	0 ()1
69	base peak, 100% relative abundance	100
70	less than 2% of mass 69	0.3 ()1
127	40% to 60% of mass 198	49.8
197	less than 1% of mass 198	0
198	base peak, 100% relative abundance	100
199	5% to 9% of mass 198	6.4
275	10% to 30% of mass 198	17.9
365	greater than 1% of mass 198	2
441	present but less than mass 443	78.1
442	greater than 40% of mass 198	60.1
443	17% to 23% of mass 442	19.2 ()2

1 - Value is %mass 69 2 - Value is% mass 442

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD001	SSTD001	T1022002.D	10/22/2007	11:12
02	SSTD040	SSTD040	T1022006.D	10/22/2007	13:21
03	SSTD060	SSTD060	T1022007.D	10/22/2007	13:53
04	SSTD080	SSTD080	T1022008.D	10/22/2007	14:26
05	SSTD005	SSTD005	T1022009.D	10/22/2007	14:58
06	SSTD010	SSTD010	T1022010.D	10/22/2007	15:31
07	SSTD025	SSTD025	T1022011.D	10/22/2007	16:03
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5

SEMIVOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

CLIENT SAMPLE NO.

DFTPP102607-1

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022905 SDG No.: CAB38

Lab File ID: T1026001.D DFTPP Injection Date: 10/26/2007

Instrument ID: HP 5972 (Donald) DFTPP Injection Time: 07:29

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30% to 60% of mass 198	44
68	less than 2% of mass 69	0 ()1
69	base peak, 100% relative abundance	100
70	less than 2% of mass 69	0 ()1
127	40% to 60% of mass 198	50.6
197	less than 1% of mass 198	0
198	base peak, 100% relative abundance	100
199	5% to 9% of mass 198	6.7
275	10% to 30% of mass 198	16.6
365	greater than 1% of mass 198	1.5
441	present but less than mass 443	84.8
442	greater than 40% of mass 198	42.9
443	17% to 23% of mass 442	19.1 ()2

1 - Value is %mass 69 2 - Value is% mass 442

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV102607-1	CCV102607-1	T1026002.D	10/26/2007	07:54
02	B092607MSVWLT	B092607MSVWLT	T1026003.D	10/26/2007	08:43
03	S092607MSVWLT	S092607MSVWLT	T1026004.D	10/26/2007	09:14
04	16LCMW430W	CAB38-001	T1026014.D	10/26/2007	14:31
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
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20					
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22					

8

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022905 SDG No.: CAB38

Client Sample No.: CCV102607-1 Date Analyzed: 10/26/2007

Lab File ID (Standard): T1026002.D Time Analyzed: 07:54

Instrument ID: HP 5972 (Donald) GC Column: RXI-5Sil MS ID: 0.25 (mm)

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	109210		5.46		445562		6.90		228748		9.01	
	UPPER LIMIT	218420		5.96		891124		7.4		457496		9.51	
	LOWER LIMIT	54605		4.96		222781		6.4		114374		8.51	
	CLIENT SAMPLE NO.												
01	B092607MSVWLT	105644		5.46		422351		6.90		238831		9.01	
02	S092607MSVWLT	110354		5.46		429685		6.90		218750		9.00	
03	16LCMW430W	102068		5.46		400228		6.91		210413		9.01	
04													
05													
06													
07													
08													
09													
10													
11													
12													
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14													
15													
16													
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18													
19													
20													
21													
22													

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

8

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022905 SDG No.: CAB38

Client Sample No.: CCV102607-1 Date Analyzed: 10/26/2007

Lab File ID (Standard): T1026002.D Time Analyzed: 07:54

Instrument ID: HP 5972 (Donald) GC Column: RXI-5Sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	327226	10.81	243738	14.50	176121	17.53
	UPPER LIMIT	654452	11.31	487476	15	352242	18.03
	LOWER LIMIT	163613	10.31	121869	14	88060.5	17.03
	CLIENT SAMPLE NO.						
01	B092607MSVWLT	331503	10.80	265365	14.50	219361	17.53
02	S092607MSVWLT	325188	10.81	254085	14.50	209884	17.53
03	16LCMW430W	310936	10.81	241899	14.50	200622	17.53
04							
05							
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18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW430W

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB38

Run Sequence: R022905

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB38-001

Sample wt/vol: 1060.0 (g/mL) mL

Lab File ID: T1026014.D

Level: (LOW/MED)

Date Collected: 09/20/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/26/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/26/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-39-4/	3 & 4-Methylphenol	4.7	U
108-60-1	Bis(2-chloroisopropyl)ether	4.7	U
108-95-2	Phenol	4.7	U
111-44-4	Bis(2-Chloroethyl)ether	4.7	U
95-57-8	2-Chlorophenol	4.7	U
541-73-1	1,3-Dichlorobenzene	4.7	U
106-46-7	1,4-Dichlorobenzene	4.7	U
100-51-6	Benzyl alcohol	4.7	U
95-50-1	1,2-Dichlorobenzene	4.7	U
95-48-7	2-Methylphenol	4.7	U
621-64-7	N-Nitroso-di-n-propylamine	4.7	U
67-72-1	Hexachloroethane	4.7	U
98-95-3	Nitrobenzene	4.7	U
78-59-1	Isophorone	4.7	U
88-75-5	2-Nitrophenol	4.7	U
105-67-9	2,4-Dimethylphenol	4.7	U
65-85-0	Benzoic acid	9.4	U
111-91-1	Bis(2-chloroethoxy)methane	4.7	U
120-83-2	2,4-Dichlorophenol	4.7	U
120-82-1	1,2,4-Trichlorobenzene	4.7	U
91-20-3	Naphthalene	4.7	U
106-47-8	4-Chloroaniline	4.7	U
87-68-3	Hexachlorobutadiene	4.7	U
59-50-7	4-Chloro-3-methylphenol	4.7	U
91-57-6	2-Methylnaphthalene	4.7	U
77-47-4	Hexachlorocyclopentadiene	4.7	U

1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW430W

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB38

Run Sequence: R022905

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB38-001

Sample wt/vol: 1060.0 (g/mL) mL

Lab File ID: T1026014.D

Level: (LOW/MED)

Date Collected: 09/20/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/26/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/26/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-06-2	2,4,6-Trichlorophenol	4.7	U
95-95-4	2,4,5-Trichlorophenol	4.7	U
91-58-7	2-Chloronaphthalene	4.7	U
88-74-4	2-Nitroaniline	4.7	U
131-11-3	Dimethylphthalate	4.7	U
606-20-2	2,6-Dinitrotoluene	4.7	U
208-96-8	Acenaphthylene	4.7	U
99-09-2	3-Nitroaniline	4.7	U
83-32-9	Acenaphthene	4.7	U
51-28-5	2,4-Dinitrophenol	9.4	U
100-02-7	4-Nitrophenol	4.7	U
132-64-9	Dibenzofuran	4.7	U
121-14-2	2,4-Dinitrotoluene	4.7	U
84-66-2	Diethylphthalate	4.7	U
86-73-7	Fluorene	4.7	U
7005-72-3	4-Chlorophenyl-phenylether	4.7	U
100-01-6	4-Nitroaniline	4.7	U
534-52-1	4,6-Dinitro-2-methylphenol	4.7	U
86-30-6	N-Nitrosodiphenylamine	4.7	U
122-66-7	Azobenzene	4.7	U
101-55-3	4-Bromophenyl-phenyl ether	4.7	U
118-74-1	Hexachlorobenzene	4.7	U
87-86-5	Pentachlorophenol	4.7	U
85-01-8	Phenanthrene	4.7	U
120-12-7	Anthracene	4.7	U
86-74-8	Carbazole	4.7	U
84-74-2	Di-n-butylphthalate	4.7	U
206-44-0	Fluoranthene	4.7	U

1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW430W

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB38

Run Sequence: R022905

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB38-001

Sample wt/vol: 1060.0 (g/mL) mL

Lab File ID: T1026014.D

Level: (LOW/MED)

Date Collected: 09/20/2007

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/26/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/26/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
92-87-5	Benzidine	4.7	U
129-00-0	Pyrene	4.7	U
85-68-7	Butylbenzylphthalate	4.7	U
91-94-1	3,3'-Dichlorobenzidine	4.7	U
56-55-3	Benzo(a)anthracene	4.7	U
117-81-7	Bis(2-ethylhexyl)phthalate	4.7	U
218-01-9	Chrysene	4.7	U
117-84-0	Di-n-octylphthalate	4.7	U
205-99-2	Benzo(b)fluoranthene	4.7	U
207-08-9	Benzo(k)fluoranthene	4.7	U
50-32-8	Benzo(a)pyrene	4.7	U
193-39-5	Indeno(1,2,3-cd)pyrene	4.7	U
53-70-3	Dibenzo(a,h)anthracene	4.7	U
191-24-2	Benzo(g,h,i)perylene	4.7	U

Comments:

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022905 SDG No.: CAB38

Instrument ID: HP 5972 (Donald) Calibration Dates: 10/22/2007 12:15

Heated Purge: (Y/N) N Calibration Times: 10/22/2007 12:15

GC Column: RXI-5Sil MS ID: 0.25 (mm) Mean % RSD: 7.16

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8	$\overline{RF}$	%RSD	r^2 COD	Eq Ty
3 & 4-Methylphenol	1		5	1.604E+00	10	1.345E+00	25	1.526E+00	40	1.383E+00	60	1.311E+00	80	1.266E+0			1.406	9.35		A
Bis(2-chloroisopropyl)ether	1		5	2.650E+00	10	2.239E+00	25	2.592E+00	40	2.388E+00	60	2.280E+00	80	2.141E+0			2.382	8.49		A
Phenol	1		5	1.967E+00	10	1.846E+00	25	2.038E+00	40	1.835E+00	60	1.768E+00	80	1.765E+0			1.870	5.92		A
Bis(2-Chloroethyl)ether	1	1.390E+00	5	1.724E+00	10	1.599E+00	25	1.786E+00	40	1.507E+00	60	1.519E+00	80	1.411E+0			1.563	9.63		A
2-Chlorophenol	1		5	1.519E+00	10	1.404E+00	25	1.615E+00	40	1.463E+00	60	1.355E+00	80	1.402E+0			1.460	6.50		A
1,3-Dichlorobenzene	1		5	1.570E+00	10	1.448E+00	25	1.554E+00	40	1.401E+00	60	1.419E+00	80	1.378E+0			1.462	5.55		A
1,4-Dichlorobenzene	1		5	1.666E+00	10	1.466E+00	25	1.625E+00	40	1.461E+00	60	1.452E+00	80	1.471E+0			1.524	6.26		A
Benzyl alcohol	1		5	1.105E+00	10	9.070E-01	25	1.081E+00	40	9.490E-01	60	9.630E-01	80	9.910E-01			0.999	7.78		A
1,2-Dichlorobenzene	1		5	1.536E+00	10	1.348E+00	25	1.559E+00	40	1.395E+00	60	1.318E+00	80	1.285E+0			1.407	8.20		A
2-Methylphenol	1		5	1.480E+00	10	1.325E+00	25	1.489E+00	40	1.329E+00	60	1.350E+00	80	1.272E+0			1.374	6.51		A
N-Nitroso-di-n-propylamine	1	8.040E-01	5	1.051E+00	10	8.700E-01	25	9.729E-01	40	8.669E-01	60	8.019E-01	80	8.130E-01			0.883	10.80		A
Hexachloroethane	1		5	7.620E-01	10	6.769E-01	25	7.609E-01	40	7.020E-01	60	7.089E-01	80	6.949E-01			0.718	4.98		A
Nitrobenzene	1		5	4.090E-01	10	3.470E-01	25	3.939E-01	40	3.630E-01	60	3.560E-01	80	3.440E-01			0.369	7.18		A
Isophorone	1		5	7.829E-01	10	6.990E-01	25	6.959E-01	40	6.900E-01	60	6.639E-01	80	6.520E-01			0.697	6.60		A
2-Nitrophenol	1		5	1.879E-01	10	1.710E-01	25	2.230E-01	40	1.879E-01	60	1.980E-01	80	2.080E-01			0.196	9.29		A
2,4-Dimethylphenol	1		5	4.350E-01	10	3.730E-01	25	4.180E-01	40	3.600E-01	60	3.670E-01	80	3.560E-01			0.385	8.69		A
Benzoic acid	1		5	7.599E-02	10	8.699E-02	25	1.250E-01	40	1.589E-01	60	1.920E-01	80	1.920E-01			0.138		0.993	Q
Bis(2-chloroethoxy)methane	1		5	5.619E-01	10	4.550E-01	25	5.280E-01	40	4.910E-01	60	4.540E-01	80	4.519E-01			0.490	9.38		A
2,4-Dichlorophenol	1		5	2.890E-01	10	2.989E-01	25	3.129E-01	40	2.770E-01	60	2.879E-01	80	2.879E-01			0.292	4.26		A
1,2,4-Trichlorobenzene	1		5	3.339E-01	10	2.960E-01	25	3.210E-01	40	2.980E-01	60	2.989E-01	80	3.019E-01			0.308	5.08		A
Naphthalene	1		5	1.173E+00	10	1.092E+00	25	1.149E+00	40	1.003E+00	60	9.980E-01	80	9.969E-01			1.069	7.53		A
4-Chloroaniline	1		5	5.510E-01	10	4.910E-01	25	5.379E-01	40	4.790E-01	60	4.400E-01	80	4.429E-01			0.490	9.45		A
Hexachlorobutadiene	1		5	1.520E-01	10	1.390E-01	25	1.530E-01	40	1.390E-01	60	1.340E-01	80	1.369E-01			0.142	5.60		A
4-Chloro-3-methylphenol	1		5	3.470E-01	10	3.030E-01	25	3.700E-01	40	3.010E-01	60	3.269E-01	80	3.100E-01			0.326	8.42		A

Eq Ty = Equation Type
Q=Quadratic, L=Linear, A=Average

* SPCCs #

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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022905 SDG No.: CAB38

Instrument ID: HP 5972 (Donald) Calibration Dates: 10/22/2007 12:15

Heated Purge: (Y/N) N Calibration Times: 10/22/2007 12:15

GC Column: RXI-5Sil MS ID: 0.25 (mm) Mean % RSD: 7.16

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8	$\overline{RF}$	%RSD	r^2 COD	Eq Ty
2-Methylnaphthalene	1		5	6.959E-01	10	5.939E-01	25	6.570E-01	40	5.970E-01	60	6.079E-01	80	5.799E-01			0.622	7.23		A
Hexachlorocyclopentadiene	1		5	2.520E-01	10	2.590E-01	25	2.820E-01	40	2.420E-01	60	2.820E-01	80	2.590E-01			0.263	6.15		A
2,4,6-Trichlorophenol	1		5	3.140E-01	10	3.370E-01	25	3.360E-01	40	3.150E-01	60	3.610E-01	80	3.560E-01			0.336	5.89		A
2,4,5-Trichlorophenol	1		5	3.899E-01	10	3.619E-01	25	3.630E-01	40	3.280E-01	60	3.569E-01	80	3.750E-01			0.363	5.72		A
2-Chloronaphthalene	1		5	1.240E+00	10	1.147E+00	25	1.184E+00	40	1.142E+00	60	1.107E+00	80	1.125E+0			1.157	4.14		A
2-Nitroaniline	1		5	3.560E-01	10	3.360E-01	25	3.520E-01	40	3.420E-01	60	3.700E-01	80	3.910E-01			0.358	5.63		A
Dimethylphthalate	1		5	1.423E+00	10	1.301E+00	25	1.329E+00	40	1.324E+00	60	1.320E+00	80	1.267E+0			1.327	3.90		A
2,6-Dinitrotoluene	1		5	3.479E-01	10	3.520E-01	25	3.499E-01	40	3.540E-01	60	3.630E-01	80	3.499E-01			0.353	1.48		A
Acenaphthylene	1		5	1.945E+00	10	1.880E+00	25	1.957E+00	40	1.831E+00	60	1.744E+00	80	1.546E+0			1.817	8.50		A
3-Nitroaniline	1		5	3.700E-01	10	4.000E-01	25	4.339E-01	40	3.970E-01	60	4.190E-01	80	4.129E-01			0.405	5.34		A
Acenaphthene	1		5	1.099E+00	10	1.226E+00	25	1.144E+00	40	1.072E+00	60	1.076E+00	80	9.919E-01			1.101	7.14		A
2,4-Dinitrophenol	1		5	2.700E-02	10	5.400E-02	25	1.090E-01	40	1.050E-01	60	1.369E-01	80	1.690E-01			0.100		1.000	Q
4-Nitrophenol	1		5	1.369E-01	10	1.380E-01	25	1.790E-01	40	1.670E-01	60	1.640E-01	80	1.790E-01			0.161	11.71		A
Dibenzofuran	1		5	1.702E+00	10	1.642E+00	25	1.621E+00	40	1.485E+00	60	1.483E+00	80	1.466E+0			1.567	6.43		A
2,4-Dinitrotoluene	1		5	3.919E-01	10	3.989E-01	25	4.530E-01	40	4.059E-01	60	4.230E-01	80	4.300E-01			0.417	5.37		A
Diethylphthalate	1		5	1.516E+00	10	1.451E+00	25	1.429E+00	40	1.335E+00	60	1.360E+00	80	1.334E+0			1.404	5.25		A
Fluorene	1		5	1.406E+00	10	1.350E+00	25	1.351E+00	40	1.122E+00	60	1.122E+00	80	1.065E+0			1.236	12.02		A
4-Chlorophenyl-phenylether	1		5	5.500E-01	10	5.730E-01	25	5.600E-01	40	4.679E-01	60	4.690E-01	80	4.569E-01			0.513	10.40		A
4-Nitroaniline	1		5	4.379E-01	10	4.400E-01	25	4.729E-01	40	4.160E-01	60	4.260E-01	80	4.530E-01			0.441	4.55		A
4,6-Dinitro-2-methylphenol	1		5	4.899E-02	10	6.499E-02	25	1.260E-01	40	1.350E-01	60	1.550E-01	80	1.610E-01			0.115		0.999	Q
N-Nitrosodiphenylamine	1		5	8.370E-01	10	7.329E-01	25	8.249E-01	40	7.519E-01	60	8.029E-01	80	7.459E-01			0.783	5.66		A
Azobenzene	1		5	1.149E+00	10	9.879E-01	25	1.063E+00	40	1.017E+00	60	1.000E+00	80	9.120E-01			1.022	7.78		A
4-Bromophenyl-phenyl ether	1		5	2.330E-01	10	2.029E-01	25	2.270E-01	40	2.280E-01	60	2.230E-01	80	2.000E-01			0.219	6.47		A
Hexachlorobenzene	1	2.060E-01	5	2.660E-01	10	2.319E-01	25	2.599E-01	40	2.460E-01	60	2.700E-01	80	2.360E-01			0.245	9.30		A

Eq Ty = Equation Type
Q=Quadratic, L=Linear, A=Average

* SPCCs #

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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022905 SDG No.: CAB38

Instrument ID: HP 5972 (Donald) Calibration Dates: 10/22/2007 12:15

Heated Purge: (Y/N) N Calibration Times: 10/22/2007 12:15

GC Column: RXI-5Sil MS ID: 0.25 (mm) Mean % RSD: 7.16

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8	$\overline{RF}$	%RSD	r^2 COD	Eq Ty
Pentachlorophenol	1		5	8.299E-02	10	1.020E-01	25	1.410E-01	40	1.500E-01	60	1.560E-01	80	1.500E-01			0.130		0.999	L
Phenanthrene	1		5	1.359E+00	10	1.243E+00	25	1.332E+00	40	1.256E+00	60	1.243E+00	80	1.121E+0			1.259	6.65		A
Anthracene	1		5	1.318E+00	10	1.192E+00	25	1.404E+00	40	1.342E+00	60	1.330E+00	80	1.152E+0			1.290	7.50		A
Carbazole	1		5	1.368E+00	10	1.170E+00	25	1.219E+00	40	1.237E+00	60	1.122E+00	80	1.093E+0			1.202	8.18		A
Di-n-butylphthalate	1		5	1.869E+00	10	1.650E+00	25	1.842E+00	40	1.700E+00	60	1.620E+00	80	1.476E+0			1.693	8.67		A
Fluoranthene	1		5	1.197E+00	10	9.829E-01	25	1.140E+00	40	1.100E+00	60	1.010E+00	80	9.910E-01			1.070	8.30		A
Benzidine	1		5	7.810E-01	10	9.499E-01	25	9.750E-01	40	8.010E-01	60	7.720E-01	80	7.200E-01			0.833	12.49		A
Pyrene	1		5	1.686E+00	10	1.603E+00	25	1.495E+00	40	1.496E+00	60	1.587E+00	80	1.485E+0			1.559	5.15		A
Butylbenzylphthalate	1		5	9.459E-01	10	9.589E-01	25	9.990E-01	40	9.589E-01	60	9.950E-01	80	1.008E+0			0.978	2.67		A
3,3'-Dichlorobenzidine	1		5	4.100E-01	10	4.300E-01	25	4.679E-01	40	4.589E-01	60	4.100E-01	80	3.930E-01			0.428	6.98		A
Benzo(a)anthracene	1		5	1.261E+00	10	1.216E+00	25	1.274E+00	40	1.230E+00	60	1.176E+00	80	1.151E+0			1.218	3.92		A
Bis(2-ethylhexyl)phthalate	1		5	1.110E+00	10	1.226E+00	25	1.324E+00	40	1.202E+00	60	1.368E+00	80	1.257E+0			1.248	7.33		A
Chrysene	1		5	1.218E+00	10	1.094E+00	25	1.119E+00	40	1.093E+00	60	1.172E+00	80	1.082E+0			1.130	4.80		A
Di-n-octylphthalate	1		5	2.520E+00	10	2.674E+00	25	2.956E+00	40	3.020E+00	60	3.438E+00	80	3.392E+0			3.000	12.33		A
Benzo(b)fluoranthene	1		5	1.476E+00	10	1.424E+00	25	1.594E+00	40	1.536E+00	60	1.645E+00	80	1.595E+0			1.545	5.38		A
Benzo(k)fluoranthene	1		5	1.617E+00	10	1.429E+00	25	1.455E+00	40	1.562E+00	60	1.663E+00	80	1.489E+0			1.536	6.07		A
Benzo(a)pyrene	1		5	1.318E+00	10	1.237E+00	25	1.292E+00	40	1.483E+00	60	1.414E+00	80	1.395E+0			1.356	6.65		A
Indeno(1,2,3-cd)pyrene	1		5	6.959E-01	10	7.410E-01	25	8.640E-01	40	8.640E-01	60	8.240E-01	80	7.550E-01			0.791	8.87		A
Dibenzo(a,h)anthracene	1		5	7.390E-01	10	7.900E-01	25	9.260E-01	40	9.530E-01	60	9.269E-01	80	8.199E-01			0.859	10.22		A
Benzo(g,h,i)perylene	1		5	8.380E-01	10	8.460E-01	25	9.350E-01	40	8.970E-01	60	8.209E-01	80	7.889E-01			0.854	6.19		A
2-Fluorophenol	1		5	1.536E+00	10	1.309E+00	25	1.623E+00	40	1.410E+00	60	1.434E+00	80	1.415E+0			1.455	7.51		A
Phenol-d5	1		5	1.965E+00	10	1.761E+00	25	2.030E+00	40	1.839E+00	60	1.843E+00	80	1.814E+0			1.875	5.38		A
Nitrobenzene-d5	1		5	3.970E-01	10	3.429E-01	25	4.070E-01	40	3.639E-01	60	3.290E-01	80	3.150E-01			0.359	10.30		A
2-Fluorobiphenyl	1		5	1.267E+00	10	1.150E+00	25	1.184E+00	40	1.181E+00	60	1.207E+00	80	1.132E+0			1.187	4.00		A

Eq Ty = Equation Type
Q=Quadratic, L=Linear, A=Average

* SPCCs #

SUM - 50

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022905 SDG No.: CAB38

Instrument ID: HP 5972 (Donald) Calibration Dates: 10/22/2007 12:15

Heated Purge: (Y/N) N Calibration Times: 10/22/2007 12:15

GC Column: RXI-5Sil MS ID: 0.25 (mm) Mean % RSD: 7.16

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8	$\overline{RF}$	%RSD	r^2 COD	Eq Ty
2,4,6-Tribromophenol	1		5	1.070E-01	10	1.090E-01	25	1.230E-01	40	1.289E-01	60	1.360E-01	80	1.250E-01			0.121	9.40		A
Terphenyl-d14	1		5	1.035E+00	10	9.499E-01	25	9.359E-01	40	9.369E-01	60	9.369E-01	80	9.359E-01			0.955	4.13		A

SUM - 51

Eq Ty = Equation Type
Q=Quadratic, L=Linear, A=Average

* SPCCs #

INITIAL
SECOND SOURCE CALIBRATION VERIFICATION

Lab Name: Laucks Testing Laboratories, Inc. Initial Calibration ID: T8270-102207

Instrument ID: HP 5972 (Donald) Concentration Units: ng/ul

2nd Source ID: ICV102307-1

Analyte	Equation Type	Expected	Found	%D
1,1'-Biphenyl	A	45.00	42.87	4.73
1,2,4,5-Tetrachlorobenzene	A	45.00	44.37	1.40
1,2,4-Trichlorobenzene	A	40.00	40.26	0.65
1,2-Dichlorobenzene	A	40.00	43.47	8.68
1,3-Dichlorobenzene	A	40.00	41.62	4.05
1,4-Dichlorobenzene	A	40.00	40.37	0.93
1,4-Dioxane	A	45.00	40.98	8.93
2,3,4,6-Tetrachlorophenol	A	40.00	43.38	8.45
2,4,5-Trichlorophenol	A	40.00	41.88	4.70
2,4,6-Trichlorophenol	A	40.00	41.86	4.65
2,4-Dichlorophenol	A	40.00	43.32	8.30
2,4-Dimethylphenol	A	40.00	40.92	2.30
2,4-Dinitrophenol	Q	40.00	57.33	43.33
2,4-Dinitrotoluene	A	40.00	46.34	15.85
2,6-Dinitrotoluene	A	40.00	38.36	4.10
2-Chloronaphthalene	A	40.00	43.52	8.80
2-Chlorophenol	A	40.00	48.19	20.48
2-Methylnaphthalene	A	40.00	41.83	4.58
2-Methylphenol	A	40.00	45.90	14.75
2-Nitroaniline	A	40.00	47.80	19.50
2-Nitrophenol	A	40.00	44.95	12.38
3 & 4-Methylphenol	A	40.00	46.69	16.73
3,3'-Dichlorobenzidine	A	40.00	41.14	2.85
3-Nitroaniline	A	40.00	44.42	11.05
4,6-Dinitro-2-methylphenol	Q	40.00	46.89	17.23
4-Bromophenyl-phenyl ether	A	40.00	39.31	1.73
4-Chloro-3-methylphenol	A	40.00	43.87	9.68
4-Chloroaniline	A	40.00	39.48	1.30
4-Chlorophenyl-phenylether	A	40.00	40.84	2.10
4-Nitroaniline	A	40.00	42.53	6.33
4-Nitrophenol	A	40.00	46.89	17.23
Acenaphthene	A	40.00	34.19	14.53
Acenaphthylene	A	40.00	38.53	3.68
Acetophenone	A	45.00	44.09	2.02
Aniline	A	40.00	33.22	16.95
Anthracene	A	40.00	38.49	3.78
Atrazine	A	5.00	4.24	15.20
Benzaldehyde	Q	5.00	2.18	56.40
Benzidine	A	40.00	7.21	81.98
Benzo(a)anthracene	A	40.00	38.87	2.83
Benzo(a)pyrene	A	40.00	39.82	0.45
Benzo(b)fluoranthene	A	40.00	39.88	0.30
Benzo(g,h,i)perylene	A	40.00	38.78	3.05

see Nar.

NOC
see Nar.

VM 10.24.07

INITIAL
SECOND SOURCE CALIBRATION VERIFICATION

Lab Name: Laucks Testing Laboratories, Inc. Initial Calibration ID: T8270-102207

Instrument ID: HP 5972 (Donald) Concentration Units: ng/ul

2nd Source ID: ICV102307-1

Analyte	Equation Type	Expected	Found	%D
Benzo(k)fluoranthene	A	40.00	42.14	5.35
Benzoic acid	Q	80.00	84.69	5.86
Benzyl alcohol	A	40.00	45.44	13.60
Bis(2-chloroethoxy)methane	A	40.00	39.06	2.35
Bis(2-Chloroethyl)ether	A	40.00	38.57	3.58
Bis(2-chloroisopropyl)ether	A	40.00	41.51	3.78
Bis(2-ethylhexyl)phthalate	A	40.00	42.82	7.05
Butylbenzylphthalate	A	40.00	39.51	1.23
Caprolactam	A	5.00	5.64	12.80
Carbazole	A	40.00	36.31	9.23
Chrysene	A	40.00	37.88	5.30
Di-n-butylphthalate	A	40.00	39.51	1.23
Di-n-octylphthalate	A	40.00	47.62	19.05
Dibenzo(a,h)anthracene	A	40.00	43.48	8.70
Dibenzofuran	A	40.00	40.81	2.03
Diethylphthalate	A	40.00	40.54	1.35
Dimethylphthalate	A	40.00	40.42	1.05
Fluoranthene	A	40.00	41.80	4.50
Fluorene	A	40.00	37.60	6.00
Hexachlorobenzene	A	40.00	40.19	0.48
Hexachlorobutadiene	A	40.00	38.60	3.50
Hexachlorocyclopentadiene	A	40.00	38.20	4.50
Hexachloroethane	A	40.00	41.15	2.88
Indeno(1,2,3-cd)pyrene	A	40.00	43.56	8.90
Isophorone	A	40.00	38.47	3.83
N-Nitroso-di-n-propylamine	A	40.00	47.40	18.50
N-Nitrosodimethylamine	A	40.00	45.14	12.85
N-Nitrosodiphenylamine	A	40.00	33.09	17.28
Naphthalene	A	40.00	38.36	4.10
Nitrobenzene	A	40.00	37.51	6.23
Pentachlorophenol	L	40.00	44.97	12.43
Phenanthrene	A	40.00	36.57	8.58
Phenol	A	40.00	45.58	13.95
Pyrene	A	40.00	35.40	11.50
Pyridine	A	40.00	43.11	7.78

Q=Quadratic, L=Linear, A=Average

7

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022905 SDG No.: CAB38

Instrument ID: HP 5972 (Donald) Calibration Date: 10/26/2007 Time: 07:54

Lab File ID: T1026002.D Init. Calib. Date(s): 10/22/2007 10/23/2007

Client Sample No.: CCV102607-1 Init. Calib. Time(s): 10:53 12:15

Heated Purge: (Y/N) N GC Column: RXI-5Sil MS ID: 0.25 (mm)

Compound	Equation Type	RF 26.0	%D	%Drift
3 & 4-Methylphenol	A	1.546	-9.97	
Bis(2-chloroisopropyl)ether	A	2.595	-8.95	
Phenol	A	2.075	-10.98	
Bis(2-Chloroethyl)ether	A	1.694	-8.37	
2-Chlorophenol	A	1.594	-9.19	
1,3-Dichlorobenzene	A	1.493	-2.14	
1,4-Dichlorobenzene	A	1.535	-0.69	
Benzyl alcohol	A	1.003	-0.40	
1,2-Dichlorobenzene	A	1.435	-2.02	
2-Methylphenol	A	1.422	-3.53	
N-Nitroso-di-n-propylamine	A	1.011	-14.46	
Hexachloroethane	A	0.753	-4.82	
Nitrobenzene	A	0.357	3.31	
Isophorone	A	0.636	8.78	
2-Nitrophenol	A	0.208	-6.14	
2,4-Dimethylphenol	A	0.360	6.49	
Benzoic acid	Q	0.095		-16.79
Bis(2-chloroethoxy)methane	A	0.469	4.19	
2,4-Dichlorophenol	A	0.275	5.83	
1,2,4-Trichlorobenzene	A	0.293	4.82	
Naphthalene	A	0.976	8.71	
4-Chloroaniline	A	0.458	6.47	
Hexachlorobutadiene	A	0.135	4.84	
4-Chloro-3-methylphenol	A	0.313	4.03	
2-Methylnaphthalene	A	0.572	8.11	
Hexachlorocyclopentadiene	A	0.270	-2.85	
2,4,6-Trichlorophenol	A	0.341	-1.35	
2,4,5-Trichlorophenol	A	0.355	2.11	
2-Chloronaphthalene	A	1.113	3.84	
2-Nitroaniline	A	0.397	-10.79	
Dimethylphthalate	A	1.425	-7.40	
2,6-Dinitrotoluene	A	0.356	-0.86	

* = %D or %Drift above limit

= %D or %Drift limts are not configured

7

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022905 SDG No.: CAB38

Instrument ID: HP 5972 (Donald) Calibration Date: 10/26/2007 Time: 07:54

Lab File ID: T1026002.D Init. Calib. Date(s): 10/22/2007 10/23/2007

Client Sample No.: CCV102607-1 Init. Calib. Time(s): 10:53 12:15

Heated Purge: (Y/N) N GC Column: RXI-5Sil MS ID: 0.25 (mm)

Compound	Equation Type	RF 26.0	%D	%Drift
Acenaphthylene	A	1.693	6.81	
3-Nitroaniline	A	0.411	-1.38	
Acenaphthene	A	1.098	0.25	
2,4-Dinitrophenol	Q	0.102		14.76
4-Nitrophenol	A	0.173	-7.45	
Dibenzofuran	A	1.543	1.53	
2,4-Dinitrotoluene	A	0.428	-2.67	
Diethylphthalate	A	1.340	4.57	
Fluorene	A	1.156	6.50	
4-Chlorophenyl-phenylether	A	0.511	0.40	
4-Nitroaniline	A	0.411	6.85	
4,6-Dinitro-2-methylphenol	Q	0.120		-2.59
N-Nitrosodiphenylamine	A	0.707	9.72	
Azobenzene	A	0.966	5.50	
4-Bromophenyl-phenyl ether	A	0.202	7.79	
Hexachlorobenzene	A	0.235	4.23	
Pentachlorophenol	L	0.119		-14.19
Phenanthrene	A	1.144	9.14	
Anthracene	A	1.168	9.46	
Carbazole	A	1.127	6.27	
Di-n-butylphthalate	A	1.639	3.18	
Fluoranthene	A	1.012	5.41	
Benzidine	A	0.908	-9.05	
Pyrene	A	1.567	-0.49	
Butylbenzylphthalate	A	0.951	2.73	
3,3'-Dichlorobenzidine	A	0.413	3.58	
Benzo(a)anthracene	A	1.107	9.11	
Bis(2-ethylhexyl)phthalate	A	1.323	-6.00	
Chrysene	A	1.038	8.12	
Di-n-octylphthalate	A	3.117	-3.89	
Benzo(b)fluoranthene	A	1.440	6.79	
Benzo(k)fluoranthene	A	1.388	9.63	

* = %D or %Drift above limit

= %D or %Drift limts are not configured

7

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022905 SDG No.: CAB38

Instrument ID: HP 5972 (Donald) Calibration Date: 10/26/2007 Time: 07:54

Lab File ID: T1026002.D Init. Calib. Date(s): 10/22/2007 10/23/2007

Client Sample No.: CCV102607-1 Init. Calib. Time(s): 10:53 12:15

Heated Purge: (Y/N) N GC Column: RXI-5Sil MS ID: 0.25 (mm)

Compound	Equation Type	RF 26.0	%D	%Drift
Benzo(a)pyrene	A	1.305	3.75	
Indeno(1,2,3-cd)pyrene	A	0.950	-20.09*	
Dibenzo(a,h)anthracene	A	0.947	-10.22	
Benzo(g,h,i)perylene	A	0.955	-11.86	
2-Fluorophenol	A	1.522	-4.58	
Phenol-d5	A	1.981	-5.68	
Nitrobenzene-d5	A	0.317	11.60	
2-Fluorobiphenyl	A	1.156	2.62	
2,4,6-Tribromophenol	A	0.115	5.21	
Terphenyl-d14	A	0.933	2.31	

* = %D or %Drift above limit

= %D or %Drift limts are not configured

1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B092607MSVWLT

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB38

Run Sequence: R022905

Matrix: (SOIL/WATER) Water

Lab Sample ID: B092607MSVWLT

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: T1026003.D

Level: (LOW/MED)

Date Collected:

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/26/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/26/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-39-4/	3 & 4-Methylphenol	5.0	U
108-60-1	Bis(2-chloroisopropyl)ether	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-Chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
100-51-6	Benzyl alcohol	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
95-48-7	2-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
65-85-0	Benzoic acid	10	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B092607MSVWLT

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB38

Run Sequence: R022905

Matrix: (SOIL/WATER) Water

Lab Sample ID: B092607MSVWLT

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: T1026003.D

Level: (LOW/MED)

Date Collected:

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/26/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/26/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	5.0	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	5.0	U
83-32-9	Acenaphthene	5.0	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	5.0	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	5.0	U
534-52-1	4,6-Dinitro-2-methylphenol	5.0	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
122-66-7	Azobenzene	5.0	U
101-55-3	4-Bromophenyl-phenyl ether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
87-86-5	Pentachlorophenol	5.0	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
86-74-8	Carbazole	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U

1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B092607MSVWLT

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB38

Run Sequence: R022905

Matrix: (SOIL/WATER) Water

Lab Sample ID: B092607MSVWLT

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: T1026003.D

Level: (LOW/MED)

Date Collected:

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/26/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/26/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
92-87-5	Benzidine	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3'-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
218-01-9	Chrysene	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

Comments:

1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S092607MSVWLT

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB38

Run Sequence: R022905

Matrix: (SOIL/WATER) Water

Lab Sample ID: S092607MSVWLT

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: T1026004.D

Level: (LOW/MED)

Date Collected:

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/26/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/26/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-39-4/	3 & 4-Methylphenol	16	
108-60-1	Bis(2-chloroisopropyl)ether	18	
108-95-2	Phenol	15	
111-44-4	Bis(2-Chloroethyl)ether	15	
95-57-8	2-Chlorophenol	14	
541-73-1	1,3-Dichlorobenzene	9.7	
106-46-7	1,4-Dichlorobenzene	9.4	
100-51-6	Benzyl alcohol	17	
95-50-1	1,2-Dichlorobenzene	10	
95-48-7	2-Methylphenol	15	
621-64-7	N-Nitroso-di-n-propylamine	20	
67-72-1	Hexachloroethane	9.1	
98-95-3	Nitrobenzene	16	
78-59-1	Isophorone	18	
88-75-5	2-Nitrophenol	17	
105-67-9	2,4-Dimethylphenol	9.4	
65-85-0	Benzoic acid	10	U
111-91-1	Bis(2-chloroethoxy)methane	16	
120-83-2	2,4-Dichlorophenol	15	
120-82-1	1,2,4-Trichlorobenzene	12	
91-20-3	Naphthalene	13	
106-47-8	4-Chloroaniline	15	
87-68-3	Hexachlorobutadiene	9.7	
59-50-7	4-Chloro-3-methylphenol	18	
91-57-6	2-Methylnaphthalene	16	
77-47-4	Hexachlorocyclopentadiene	3.5	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S092607MSVWLT

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB38

Run Sequence: R022905

Matrix: (SOIL/WATER) Water

Lab Sample ID: S092607MSVWLT

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: T1026004.D

Level: (LOW/MED)

Date Collected:

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/26/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/26/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-06-2	2,4,6-Trichlorophenol	15	
95-95-4	2,4,5-Trichlorophenol	17	
91-58-7	2-Chloronaphthalene	17	
88-74-4	2-Nitroaniline	21	
131-11-3	Dimethylphthalate	19	
606-20-2	2,6-Dinitrotoluene	17	
208-96-8	Acenaphthylene	17	
99-09-2	3-Nitroaniline	19	
83-32-9	Acenaphthene	18	
51-28-5	2,4-Dinitrophenol	4.9	J
100-02-7	4-Nitrophenol	12	
132-64-9	Dibenzofuran	18	
121-14-2	2,4-Dinitrotoluene	20	
84-66-2	Diethylphthalate	19	
86-73-7	Fluorene	18	
7005-72-3	4-Chlorophenyl-phenylether	19	
100-01-6	4-Nitroaniline	19	
534-52-1	4,6-Dinitro-2-methylphenol	12	
86-30-6	N-Nitrosodiphenylamine	14	
122-66-7	Azobenzene	17	
101-55-3	4-Bromophenyl-phenyl ether	16	
118-74-1	Hexachlorobenzene	17	
87-86-5	Pentachlorophenol	13	
85-01-8	Phenanthrene	16	
120-12-7	Anthracene	16	
86-74-8	Carbazole	18	
84-74-2	Di-n-butylphthalate	18	
206-44-0	Fluoranthene	18	

1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S092607MSVWLT

Lab Name: Laucks Testing Labs

Contract:

SDG No.: CAB38

Run Sequence: R022905

Matrix: (SOIL/WATER) Water

Lab Sample ID: S092607MSVWLT

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: T1026004.D

Level: (LOW/MED)

Date Collected:

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/26/2007

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/26/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
92-87-5	Benzidine	5.0	U
129-00-0	Pyrene	17	
85-68-7	Butylbenzylphthalate	18	
91-94-1	3,3'-Dichlorobenzidine	17	
56-55-3	Benzo(a)anthracene	17	
117-81-7	Bis(2-ethylhexyl)phthalate	19	
218-01-9	Chrysene	18	
117-84-0	Di-n-octylphthalate	16	
205-99-2	Benzo(b)fluoranthene	14	
207-08-9	Benzo(k)fluoranthene	15	
50-32-8	Benzo(a)pyrene	14	
193-39-5	Indeno(1,2,3-cd)pyrene	18	
53-70-3	Dibenzo(a,h)anthracene	18	
191-24-2	Benzo(g,h,i)perylene	19	

Comments:

Forms Summary

CAB38

Ordnance by Method 8330

2

WATER ORDNANCE SURROGATE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

SDG No.: CAB38 Run Sequence: R022105

(LAB SAMPLE ID) CLIENT SAMPLE NUMBER	S1 (DNT) #	S2 () #	S3 () #	S4 () #	TOT OUT
(CAB38-001RX) 16LCMW430WRX	122				0
(CAB38-009RX) 16L4MW01BWRX	84				0
(CAB38-008RX) 16L4MW01AWRX	89				0
(CAB38-007RX) 16L4MW440WRX	84				0
(CAB38-006RX) 16L4MW07BWRX	95				0
(CAB38-004RX) 16L4MW18WRX	69				0
(CAB38-003RX) 16L4MW17WRX	94				0
(S100107HORWLG) S100107HORWLG	113				0
(B100107HORWLG) B100107HORWLG	97				0
(CAB38-001) 16LCMW430W	128				0
(CAB38-009) 16L4MW01BW	93				0
(CAB38-008) 16L4MW01AW	84				0
(CAB38-007) 16L4MW440W	74				0
(CAB38-006) 16L4MW07BW	100				0
(CAB38-004) 16L4MW18W	99				0
(CAB38-003) 16L4MW17W	115				0
(S092607HORWLG) S092607HORWLG	114				0
(B092607HORWLG) B092607HORWLG	99				0

2

WATER ORDNANCE SURROGATE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

SDG No.: CAB38 Run Sequence: R021944

(LAB SAMPLE ID) CLIENT SAMPLE NUMBER	S1 (DNT) #	S2 () #	S3 () #	S4 () #	TOT OUT
					QC LIMITS
S1 (DNT) = 3,4-Dinitrotoluene					60-140
S2 () =					
S3 () =					
S4 () =					

Column to be used to flag recovery values
* Values outside of contract required QC limits

3B
WATER ORDNANCE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R021944 SDG No.: CAB38

BS Lab Sample ID: S092607HORWLG

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec	#	Rec Limit
HMX	20.0	8.7095	44	*	80-115
RDX	20.0	7.5422	38	*	50-160
1,3,5-Trinitrobenzene	20.0	18.6883	93		65-140
1,3-Dinitrobenzene	20.0	19.4961	97		45-160
Nitrobenzene	20.0	19.4966	97		50-140
Tetryl	20.0	17.7421	89		20-175
2,4,6-Trinitrotoluene	20.0	19.1901	96		50-145
4-Amino-2,6-dinitrotoluene	20.0	18.3336	92		55-155
2-Amino-4,6-dinitrotoluene	20.0	19.6461	98		50-155
2,6-Dinitrotoluene	20.0	19.546	98		60-135
2,4-Dinitrotoluene	20.0	18.8646	94		60-135
2-Nitrotoluene	20.0	19.1843	96		45-135
4-Nitrotoluene	20.0	19.294	96		50-130
3-Nitrotoluene	20.0	19.0017	95		50-130

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

Spike Recovery: 2 out of 14 outside limits

COMMENTS:

3B
WATER ORDNANCE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R022105 SDG No.: CAB38

BS Lab Sample ID: S100107HORWLG

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
HMX	20.0	22.5294	113	80-115
RDX	20.0	22.1636	111	50-160
1,3,5-Trinitrobenzene	20.0	21.6199	108	65-140
1,3-Dinitrobenzene	20.0	21.9766	110	45-160
Nitrobenzene	20.0	22.3025	112	50-140
Tetryl	20.0	19.5778	98	20-175
2,4,6-Trinitrotoluene	20.0	20.3663	102	50-145
4-Amino-2,6-dinitrotoluene	20.0	19.2835	96	55-155
2-Amino-4,6-dinitrotoluene	20.0	20.8352	104	50-155
2,6-Dinitrotoluene	20.0	20.6664	103	60-135
2,4-Dinitrotoluene	20.0	20.0158	100	60-135
2-Nitrotoluene	20.0	20.3874	102	45-135
4-Nitrotoluene	20.0	20.4313	102	50-130
3-Nitrotoluene	20.0	20.0598	100	50-130

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

Spike Recovery: 0 out of 14 outside limits

COMMENTS:

ORDNANCE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.
B092607HORWLG

Lab Name: Laucks Testing Labs Contract: N/A

Lab Sample ID: B092607HORWLG SDG No.: CAB38

Matrix: (SOIL/WATER) Water Date Prepared: 09/26/2007

Lab File ID (1): O92607.b-O9260704.D Lab File ID (2): F92707.b-F9270704.D

Date Analyzed (1): 09/26/2007 Date Analyzed (2):

Time Analyzed (1): 15:15 Time Analyzed (2):

Instrument ID (1): HPLC5 (Oscar) Instrument ID (2): HPLC3 (Felix)

Column(1): Allure C18 ID: 4.60 (mm) Column(2): Synergi - EtPH ID: 4.60 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC SAMPLES:

CLIENT SAMPLE NO.	LAB SAMPLE ID	COL	LAB FILE ID	DATE/TIME ANALYZED	RUN SEQUENCE
16LCMW430W	CAB38-001	1	O9260717.D	09/26/2007 23:42	R021944
		2	F9270714.D	09/27/2007 19:08	R021944
16L4MW17W	CAB38-003	1	O9260718.D	09/27/2007 00:21	R021944
		2			
16L4MW18W	CAB38-004	1	O9260719.D	09/27/2007 01:00	R021944
		2			
16L4MW07BW	CAB38-006	1	O9260720.D	09/27/2007 01:39	R021944
		2			
16L4MW440W	CAB38-007	1	O9260721.D	09/27/2007 02:18	R021944
		2			
16L4MW01AW	CAB38-008	1	O9260722.D	09/27/2007 02:57	R021944
		2			
16L4MW01BW	CAB38-009	1	O9260723.D	09/27/2007 03:36	R021944
		2			
S092607HORWLG	S092607HORWLG	1	O9260705.D	09/26/2007 15:54	R021944
		2	F9270705.D	09/27/2007 13:17	R021944

COMMENTS:

ORDNANCE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.
B100107HORWLG

Lab Name: Laucks Testing Labs Contract: N/A

Lab Sample ID: B100107HORWLG SDG No.: CAB38

Matrix: (SOIL/WATER) Water Date Prepared: 10/01/2007

Lab File ID (1): OA0107A.b-OA010715.D Lab File ID (2): FA0207.b-FA020711.D

Date Analyzed (1): 10/01/2007 Date Analyzed (2):

Time Analyzed (1): 20:45 Time Analyzed (2):

Instrument ID (1): HPLC5 (Oscar) Instrument ID (2): HPLC3 (Felix)

Column(1): Allure C18 ID: 4.60 (mm) Column(2): Synergi - EtPH ID: 4.60 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC SAMPLES:

CLIENT SAMPLE NO.	LAB SAMPLE ID	COL	LAB FILE ID	DATE/TIME ANALYZED	RUN SEQUENCE
16LCMW430WRX	CAB38-001RX	1	OA010726.D	10/02/2007 03:54	R022105
		2	FA020713.D	10/02/2007 18:03	R022105
16L4MW17WRX	CAB38-003RX	1	OA010727.D	10/02/2007 04:33	R022105
		2			
16L4MW18WRX	CAB38-004RX	1	OA010728.D	10/02/2007 05:12	R022105
		2			
16L4MW07BWRX	CAB38-006RX	1	OA010729.D	10/02/2007 05:51	R022105
		2			
16L4MW440WRX	CAB38-007RX	1	OA010730.D	10/02/2007 06:29	R022105
		2			
16L4MW01AWRX	CAB38-008RX	1	OA010731.D	10/02/2007 07:08	R022105
		2			
16L4MW01BWRX	CAB38-009RX	1	OA010732.D	10/02/2007 07:47	R022105
		2			
S100107HORWLG	S100107HORWLG	1	OA010716.D	10/01/2007 21:24	R022105
		2	FA020712.D	10/02/2007 17:24	R022105

COMMENTS:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW430W

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R021944

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB38-001

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: O9260717.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/20/2007

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/26/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.48	U
121-82-4	RDX	0.48	U
99-35-4	1,3,5-Trinitrobenzene	0.48	U
99-65-0	1,3-Dinitrobenzene	0.48	U
98-95-3	Nitrobenzene	0.48	U
479-45-8	Tetryl	0.48	U
118-96-7	2,4,6-Trinitrotoluene	0.48	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.48	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.48	U
606-20-2	2,6-Dinitrotoluene	0.48	U
121-14-2	2,4-Dinitrotoluene	0.48	U
88-72-2	2-Nitrotoluene	0.48	U
99-99-0	4-Nitrotoluene	0.48	U
99-08-1	3-Nitrotoluene	0.48	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW430WRX

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R022105

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB38-001RX

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: OA010726.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/20/2007

Extraction: (Type) SPE

Date Extracted: 10/01/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 10/02/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.48	U
121-82-4	RDX	0.48	U
99-35-4	1,3,5-Trinitrobenzene	0.48	U
99-65-0	1,3-Dinitrobenzene	0.48	U
98-95-3	Nitrobenzene	0.48	U
479-45-8	Tetryl	0.48	U
118-96-7	2,4,6-Trinitrotoluene	0.48	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.48	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.48	U
606-20-2	2,6-Dinitrotoluene	0.48	U
121-14-2	2,4-Dinitrotoluene	0.48	U
88-72-2	2-Nitrotoluene	0.48	U
99-99-0	4-Nitrotoluene	0.48	U
99-08-1	3-Nitrotoluene	0.48	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW17W

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R021944

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB38-003

Sample wt/vol: 1020.0 (g/mL) mL

Lab File ID: O9260718.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/20/2007

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/27/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.49	U
121-82-4	RDX	0.49	U
99-35-4	1,3,5-Trinitrobenzene	0.49	U
99-65-0	1,3-Dinitrobenzene	0.49	U
98-95-3	Nitrobenzene	0.49	U
479-45-8	Tetryl	0.49	U
118-96-7	2,4,6-Trinitrotoluene	0.49	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.49	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.49	U
606-20-2	2,6-Dinitrotoluene	0.49	U
121-14-2	2,4-Dinitrotoluene	0.49	U
88-72-2	2-Nitrotoluene	0.49	U
99-99-0	4-Nitrotoluene	0.49	U
99-08-1	3-Nitrotoluene	0.49	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW17WRX

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R022105

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB38-003RX

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: OA010727.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/20/2007

Extraction: (Type) SPE

Date Extracted: 10/01/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 10/02/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.48	U
121-82-4	RDX	0.48	U
99-35-4	1,3,5-Trinitrobenzene	0.48	U
99-65-0	1,3-Dinitrobenzene	0.48	U
98-95-3	Nitrobenzene	0.48	U
479-45-8	Tetryl	0.48	U
118-96-7	2,4,6-Trinitrotoluene	0.48	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.48	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.48	U
606-20-2	2,6-Dinitrotoluene	0.48	U
121-14-2	2,4-Dinitrotoluene	0.48	U
88-72-2	2-Nitrotoluene	0.48	U
99-99-0	4-Nitrotoluene	0.48	U
99-08-1	3-Nitrotoluene	0.48	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW18W

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R021944

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB38-004

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: 09260719.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/20/2007

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/27/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.48	U
121-82-4	RDX	0.48	U
99-35-4	1,3,5-Trinitrobenzene	0.48	U
99-65-0	1,3-Dinitrobenzene	0.48	U
98-95-3	Nitrobenzene	0.48	U
479-45-8	Tetryl	0.48	U
118-96-7	2,4,6-Trinitrotoluene	0.48	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.48	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.48	U
606-20-2	2,6-Dinitrotoluene	0.48	U
121-14-2	2,4-Dinitrotoluene	0.48	U
88-72-2	2-Nitrotoluene	0.48	U
99-99-0	4-Nitrotoluene	0.48	U
99-08-1	3-Nitrotoluene	0.48	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW18WRX

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R022105

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB38-004RX

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: OA010728.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/20/2007

Extraction: (Type) SPE

Date Extracted: 10/01/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 10/02/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.48	U
121-82-4	RDX	0.48	U
99-35-4	1,3,5-Trinitrobenzene	0.48	U
99-65-0	1,3-Dinitrobenzene	0.48	U
98-95-3	Nitrobenzene	0.48	U
479-45-8	Tetryl	0.48	U
118-96-7	2,4,6-Trinitrotoluene	0.48	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.48	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.48	U
606-20-2	2,6-Dinitrotoluene	0.48	U
121-14-2	2,4-Dinitrotoluene	0.48	U
88-72-2	2-Nitrotoluene	0.48	U
99-99-0	4-Nitrotoluene	0.48	U
99-08-1	3-Nitrotoluene	0.48	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW07BW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R021944

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB38-006

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: O9260720.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/20/2007

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/27/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.48	U
121-82-4	RDX	0.48	U
99-35-4	1,3,5-Trinitrobenzene	0.48	U
99-65-0	1,3-Dinitrobenzene	0.48	U
98-95-3	Nitrobenzene	0.48	U
479-45-8	Tetryl	0.48	U
118-96-7	2,4,6-Trinitrotoluene	0.48	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.48	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.48	U
606-20-2	2,6-Dinitrotoluene	0.48	U
121-14-2	2,4-Dinitrotoluene	0.48	U
88-72-2	2-Nitrotoluene	0.48	U
99-99-0	4-Nitrotoluene	0.48	U
99-08-1	3-Nitrotoluene	0.48	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW07BWRX

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R022105

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB38-006RX

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: OA010729.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/20/2007

Extraction: (Type) SPE

Date Extracted: 10/01/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 10/02/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.48	U
121-82-4	RDX	0.48	U
99-35-4	1,3,5-Trinitrobenzene	0.48	U
99-65-0	1,3-Dinitrobenzene	0.48	U
98-95-3	Nitrobenzene	0.48	U
479-45-8	Tetryl	0.48	U
118-96-7	2,4,6-Trinitrotoluene	0.48	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.48	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.48	U
606-20-2	2,6-Dinitrotoluene	0.48	U
121-14-2	2,4-Dinitrotoluene	0.48	U
88-72-2	2-Nitrotoluene	0.48	U
99-99-0	4-Nitrotoluene	0.48	U
99-08-1	3-Nitrotoluene	0.48	U

Comments:

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW440W

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R021944

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB38-007

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: 09260721.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/20/2007

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/27/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.48	U
121-82-4	RDX	0.48	U
99-35-4	1,3,5-Trinitrobenzene	0.48	U
99-65-0	1,3-Dinitrobenzene	0.48	U
98-95-3	Nitrobenzene	0.48	U
479-45-8	Tetryl	0.48	U
118-96-7	2,4,6-Trinitrotoluene	0.48	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.48	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.48	U
606-20-2	2,6-Dinitrotoluene	0.48	U
121-14-2	2,4-Dinitrotoluene	0.48	U
88-72-2	2-Nitrotoluene	0.48	U
99-99-0	4-Nitrotoluene	0.48	U
99-08-1	3-Nitrotoluene	0.48	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW440WRX

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R022105

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB38-007RX

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: OA010730.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/20/2007

Extraction: (Type) SPE

Date Extracted: 10/01/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 10/02/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.48	U
121-82-4	RDX	0.48	U
99-35-4	1,3,5-Trinitrobenzene	0.48	U
99-65-0	1,3-Dinitrobenzene	0.48	U
98-95-3	Nitrobenzene	0.48	U
479-45-8	Tetryl	0.48	U
118-96-7	2,4,6-Trinitrotoluene	0.48	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.48	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.48	U
606-20-2	2,6-Dinitrotoluene	0.48	U
121-14-2	2,4-Dinitrotoluene	0.48	U
88-72-2	2-Nitrotoluene	0.48	U
99-99-0	4-Nitrotoluene	0.48	U
99-08-1	3-Nitrotoluene	0.48	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW01AW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R021944

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB38-008

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: O9260722.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/20/2007

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/27/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.48	U
121-82-4	RDX	0.48	U
99-35-4	1,3,5-Trinitrobenzene	0.48	U
99-65-0	1,3-Dinitrobenzene	0.48	U
98-95-3	Nitrobenzene	0.48	U
479-45-8	Tetryl	0.48	U
118-96-7	2,4,6-Trinitrotoluene	0.48	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.48	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.48	U
606-20-2	2,6-Dinitrotoluene	0.48	U
121-14-2	2,4-Dinitrotoluene	0.48	U
88-72-2	2-Nitrotoluene	0.48	U
99-99-0	4-Nitrotoluene	0.48	U
99-08-1	3-Nitrotoluene	0.48	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW01AWRX

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R022105

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB38-008RX

Sample wt/vol: 1040.0 (g/mL) mL

Lab File ID: OA010731.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/20/2007

Extraction: (Type) SPE

Date Extracted: 10/01/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 10/02/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.48	U
121-82-4	RDX	0.48	U
99-35-4	1,3,5-Trinitrobenzene	0.48	U
99-65-0	1,3-Dinitrobenzene	0.48	U
98-95-3	Nitrobenzene	0.48	U
479-45-8	Tetryl	0.48	U
118-96-7	2,4,6-Trinitrotoluene	0.48	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.48	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.48	U
606-20-2	2,6-Dinitrotoluene	0.48	U
121-14-2	2,4-Dinitrotoluene	0.48	U
88-72-2	2-Nitrotoluene	0.48	U
99-99-0	4-Nitrotoluene	0.48	U
99-08-1	3-Nitrotoluene	0.48	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW01BW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R021944

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB38-009

Sample wt/vol: 1040.0 (g/mL) mL

Lab File ID: 09260723.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/20/2007

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/27/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.48	U
121-82-4	RDX	0.48	U
99-35-4	1,3,5-Trinitrobenzene	0.48	U
99-65-0	1,3-Dinitrobenzene	0.48	U
98-95-3	Nitrobenzene	0.48	U
479-45-8	Tetryl	0.48	U
118-96-7	2,4,6-Trinitrotoluene	0.48	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.48	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.48	U
606-20-2	2,6-Dinitrotoluene	0.48	U
121-14-2	2,4-Dinitrotoluene	0.48	U
88-72-2	2-Nitrotoluene	0.48	U
99-99-0	4-Nitrotoluene	0.48	U
99-08-1	3-Nitrotoluene	0.48	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW01BWRX

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R022105

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB38-009RX

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: OA010732.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/20/2007

Extraction: (Type) SPE

Date Extracted: 10/01/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 10/02/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.48	U
121-82-4	RDX	0.48	U
99-35-4	1,3,5-Trinitrobenzene	0.48	U
99-65-0	1,3-Dinitrobenzene	0.48	U
98-95-3	Nitrobenzene	0.48	U
479-45-8	Tetryl	0.48	U
118-96-7	2,4,6-Trinitrotoluene	0.48	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.48	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.48	U
606-20-2	2,6-Dinitrotoluene	0.48	U
121-14-2	2,4-Dinitrotoluene	0.48	U
88-72-2	2-Nitrotoluene	0.48	U
99-99-0	4-Nitrotoluene	0.48	U
99-08-1	3-Nitrotoluene	0.48	U

Comments:

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Laucks Testing Labs
Initial Calibration Linearity Summary

Start Cal Date: 18-JUL-2007 22:47
End Cal Date : 19-JUL-2007 01:27
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\071807A.b\8330JUL1807.m
Sublist : 8330MNX.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180720.D
Level 2: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180721.D
Level 3: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180722.D
Level 4: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180723.D
Level 5: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180724.D

	Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave CF	%RSD
1	HMX	10.36000	9.720000	10.52600	9.451000	9.429400	9.897280	5.2
4	MNX	12.62000	13.21000	12.95400	13.11200	11.23400	12.62600	6.4
5	RDX	7.440000	7.200000	8.314000	7.449000	7.510600	7.582720	5.6
6	1,3,5-Trinitrobenzene	14.28000	13.64000	14.83000	13.44500	13.59720	13.95844	4.2
7	1,3-Dinitrobenzene	15.30000	14.46000	15.94800	14.62100	14.89880	15.04556	4.0
8	Tetryl	7.940000	7.440000	8.250000	7.503000	7.571600	7.740920	4.4
9	Nitrobenzene	8.460000	8.220000	8.566000	8.386000	8.601000	8.446600	1.8
11	2,4,6-Trinitrotoluene	9.060000	8.520000	9.394000	8.528000	8.622400	8.824880	4.4
12	4-Amino-2,6-Dinitrotoluene	6.100000	5.860000	6.518000	5.900000	5.938000	6.063200	4.5
13	2-Amino-4,6-Dinitrotoluene	8.200000	7.750000	8.562000	7.731000	7.787800	8.006160	4.6
14	2,6-Dinitrotoluene	5.180000	4.970000	5.502000	5.056000	5.131000	5.167800	3.9

Amount = Response divided by CF

CF - Calibration Factor (response divided by concentration).
RSD - Relative Standard Deviation.

Laucks Testing Labs
Initial Calibration Linearity Summary

	Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave CF	%RSD
15	2,4-Dinitrotoluene	9.600000	9.110000	10.15000	9.291000	9.409000	9.512000	4.2
16	2-Nitrotoluene	3.520000	3.370000	3.482000	3.410000	3.505600	3.457520	1.9
17	4-Nitrotoluene	2.860000	2.590000	2.744000	2.672000	2.762600	2.725720	3.7
18	3-Nitrotoluene	3.280000	3.130000	3.220000	3.141000	3.248600	3.203920	2.1
10	3,4-Dinitrotoluene	7.560000	7.250000	7.912000	7.363000	7.424600	7.501920	3.4
	Average RSD :							4.0

Amount = Response divided by CF

CF - Calibration Factor (response divided by concentration).
RSD - Relative Standard Deviation.

Laucks Testing Labs
Initial Calibration Retention Time Summary

Start Cal Date: 18-JUL-2007 22:47
End Cal Date : 19-JUL-2007 01:27
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\O71807A.b\8330JUL1807.m
Sublist : 8330MNX.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180720.D
Level 2: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180721.D
Level 3: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180722.D
Level 4: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180723.D
Level 5: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180724.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave RT
1 HMX	4.54	4.54	4.54	4.54	4.55	4.543
4 MNX	6.76	6.76	6.77	6.76	6.77	6.764
5 RDX	7.92	7.92	7.92	7.92	7.92	7.918
6 1,3,5-Trinitrobenzene	11.44	11.45	11.45	11.45	11.45	11.448
7 1,3-Dinitrobenzene	14.16	14.16	14.18	14.16	14.15	14.161
8 Tetryl	15.83	15.84	15.85	15.82	15.82	15.831
9 Nitrobenzene	16.66	16.67	16.68	16.65	16.65	16.662
11 2,4,6-Trinitrotoluene	19.26	19.26	19.27	19.24	19.24	19.252
12 4-Amino-2,6-Dinitrotoluene	19.97	19.98	19.99	19.96	19.96	19.972
13 2-Amino-4,6-Dinitrotoluene	21.06	21.07	21.08	21.04	21.04	21.057
14 2,6-Dinitrotoluene	22.41	22.41	22.42	22.39	22.39	22.405

Retention times are expressed as minutes.

Laucks Testing Labs
Initial Calibration Retention Time Summary

Start Cal Date: 18-JUL-2007 22:47
End Cal Date : 19-JUL-2007 01:27
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\071807A.b\8330JUL1807.m
Sublist : 8330MNX.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave RT
15 2,4-Dinitrotoluene	23.30	23.31	23.31	23.28	23.28	23.295
16 2-Nitrotoluene	28.25	28.24	28.25	28.22	28.22	28.235
17 4-Nitrotoluene	30.68	30.69	30.70	30.67	30.66	30.682
18 3-Nitrotoluene	33.03	33.02	33.02	32.99	33.00	33.012
10 3,4-Dinitrotoluene	17.00	17.01	17.03	17.00	17.00	17.007

Retention times are expressed as minutes.

Laucks Testing Labs
Initial Calibration Amounts Summary

Start Cal Date: 18-JUL-2007 22:47
End Cal Date : 19-JUL-2007 01:27
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\071807A.b\8330JUL1807.m
Sublist : 8330MNX.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180720.D
Level 2: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180721.D
Level 3: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180722.D
Level 4: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180723.D
Level 5: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180724.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
1 HMX	50.00	100.00	500.00	1000.00	5000.00
4 MNX	50.00	100.00	500.00	1000.00	5000.00
5 RDX	50.00	100.00	500.00	1000.00	5000.00
6 1,3,5-Trinitrobenzene	50.00	100.00	500.00	1000.00	5000.00
7 1,3-Dinitrobenzene	50.00	100.00	500.00	1000.00	5000.00
8 Tetryl	50.00	100.00	500.00	1000.00	5000.00
9 Nitrobenzene	50.00	100.00	500.00	1000.00	5000.00
11 2,4,6-Trinitrotoluene	50.00	100.00	500.00	1000.00	5000.00
12 4-Amino-2,6-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00
13 2-Amino-4,6-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00
14 2,6-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00

Standard concentrations are expressed as ng/mL.

Laucks Testing Labs
Initial Calibration Amounts Summary

Start Cal Date: 18-JUL-2007 22:47
End Cal Date : 19-JUL-2007 01:27
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\071807A.b\8330JUL1807.m
Sublist : 8330MNX.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
15 2,4-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00
16 2-Nitrotoluene	50.00	100.00	500.00	1000.00	5000.00
17 4-Nitrotoluene	50.00	100.00	500.00	1000.00	5000.00
18 3-Nitrotoluene	50.00	100.00	500.00	1000.00	5000.00
10 3,4-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00

Standard concentrations are expressed as ng/mL.

Laucks Testing Labs
Initial Calibration Response Summary

Start Cal Date: 18-JUL-2007 22:47
End Cal Date : 19-JUL-2007 01:27
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\O71807A.b\8330JUL1807.m
Sublist : 8330MNX.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180720.D
Level 2: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180721.D
Level 3: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180722.D
Level 4: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180723.D
Level 5: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180724.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
1 HMX	518.00000	972.00000	5263.0000	9451.0000	47147.000
4 MNX	631.00000	1321.0000	6477.0000	13112.000	56170.000
5 RDX	372.00000	720.00000	4157.0000	7449.0000	37553.000
6 1,3,5-Trinitrobenzene	714.00000	1364.0000	7415.0000	13445.000	67986.000
7 1,3-Dinitrobenzene	765.00000	1446.0000	7974.0000	14621.000	74494.000
8 Tetryl	397.00000	744.00000	4125.0000	7503.0000	37858.000
9 Nitrobenzene	423.00000	822.00000	4283.0000	8386.0000	43005.000
11 2,4,6-Trinitrotoluene	453.00000	852.00000	4697.0000	8528.0000	43112.000
12 4-Amino-2,6-Dinitrotoluene	305.00000	586.00000	3259.0000	5900.0000	29690.000
13 2-Amino-4,6-Dinitrotoluene	410.00000	775.00000	4281.0000	7731.0000	38939.000
14 2,6-Dinitrotoluene	259.00000	497.00000	2751.0000	5056.0000	25655.000

Response is in Height units.

Laucks Testing Labs
Initial Calibration Response Summary

Start Cal Date: 18-JUL-2007 22:47
End Cal Date : 19-JUL-2007 01:27
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\071807A.b\8330JUL1807.m
Sublist : 8330MNX.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
15 2,4-Dinitrotoluene	480.00000	911.00000	5075.0000	9291.0000	47045.000
16 2-Nitrotoluene	176.00000	337.00000	1741.0000	3410.0000	17528.000
17 4-Nitrotoluene	143.00000	259.00000	1372.0000	2672.0000	13813.000
18 3-Nitrotoluene	164.00000	313.00000	1610.0000	3141.0000	16243.000
10 3,4-Dinitrotoluene	378.00000	725.00000	3956.0000	7363.0000	37123.000

Response is in Height units.

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Laucks Testing Labs
Initial Calibration Linearity Summary

Start Cal Date: 21-SEP-2007 15:23
End Cal Date : 21-SEP-2007 17:59
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\felix\Felix.i\F92107.b\8330syn92207mnx.m
Sublist : 8330MNX.sub
Column : EtPh
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210707.D
Level 2: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210708.D
Level 3: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210709.D
Level 4: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210710.D
Level 5: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210711.D

	Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave CF	%RSD
3	MNX	10.60000	9.840000	10.52800	9.899000	9.959000	10.16520	3.6
4	HMX	5.580000	5.220000	5.526000	5.379000	5.266000	5.394200	2.9
5	RDX	7.400000	6.950000	7.108000	6.916000	6.759800	7.026760	3.5
6	Nitrobenzene	11.04000	11.31000	11.32000	11.45000	11.47320	11.31864	1.5
7	4-Amino-2,6-Dinitrotoluene	7.860000	7.570000	7.700000	7.556000	7.464400	7.630080	2.0
8	2-Nitrotoluene	5.660000	5.750000	5.666000	5.726000	5.757600	5.711920	0.8
9	4-Nitrotoluene	7.960000	7.960000	8.002000	7.886000	7.794000	7.920400	1.0
10	2-Amino-4,6-Dinitrotoluene	12.00000	11.62000	11.91000	11.71100	11.59000	11.76620	1.5
11	1,3-Dinitrobenzene/3NT	6.940000	6.855000	6.886000	6.785500	6.697700	6.832840	1.4
13	2,6-Dinitrotoluene	4.960000	4.810000	4.834000	4.777000	4.709200	4.818040	1.9
14	2,4-Dinitrotoluene	8.560000	8.220000	8.344000	8.241000	8.094000	8.291800	2.1

Amount = Response divided by CF

CF Calibration Factor (response divided by concentration).
RSD - Relative Standard Deviation.

Laucks Testing Labs
Initial Calibration Linearity Summary

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave CF	%RSD
15 1,3,5-Trinitrobenzene	5.600000	5.420000	5.542000	5.424000	5.338600	5.464920	1.9
16 Tetryl	3.380000	3.460000	3.494000	3.414000	3.340000	3.417600	1.8
17 2,4,6-TNT	4.060000	3.870000	3.900000	3.801000	3.733600	3.872920	3.2
12 3,4-Dinitrotoluene	5.040000	4.970000	4.992000	4.877000	4.795400	4.934880	2.0
Average RSD :							2.1

Amount = Response divided by CF

CF - Calibration Factor (response divided by concentration).
RSD - Relative Standard Deviation.

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Laucks Testing Labs
Initial Calibration Retention Time Summary

Start Cal Date: 21-SEP-2007 15:23
End Cal Date : 21-SEP-2007 17:59
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\felix\Felix.i\F92107.b\8330syn92207mnx.m
Sublist : 8330MNX.sub
Column : EtPh
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210707.D
Level 2: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210708.D
Level 3: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210709.D
Level 4: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210710.D
Level 5: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210711.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave RT
3 MNX	7.92	7.92	7.93	7.92	7.93	7.924
4 HMX	8.23	8.23	8.24	8.23	8.25	8.235
5 RDX	8.78	8.77	8.78	8.77	8.79	8.778
6 Nitrobenzene	11.48	11.47	11.49	11.49	11.51	11.489
7 4-Amino-2,6-Dinitrotoluene	14.49	14.47	14.49	14.49	14.52	14.490
8 2-Nitrotoluene	14.89	14.88	14.90	14.90	14.92	14.897
9 4-Nitrotoluene	15.65	15.63	15.66	15.66	15.68	15.655
10 2-Amino-4,6-Dinitrotoluene	16.01	15.99	16.02	16.03	16.06	16.020
11 1,3-Dinitrobenzene/3NT	16.43	16.40	16.43	16.42	16.44	16.426
13 2,6-Dinitrotoluene	19.21	19.18	19.21	19.23	19.26	19.218
14 2,4-Dinitrotoluene	22.20	22.17	22.22	22.22	22.27	22.215

Retention times are expressed as minutes.

Laucks Testing Labs
Initial Calibration Retention Time Summary

Start Cal Date: 21-SEP-2007 15:23
End Cal Date : 21-SEP-2007 17:59
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\felix\Felix.i\F92107.b\8330syn92207mnx.m
Sublist : 8330MNX.sub
Column : EtPh
Column Size : 0m L - 4.60mm ID

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave RT
15 1,3,5-Trinitrobenzene	25.32	25.30	25.38	25.37	25.42	25.360
16 Tetryl	29.26	29.25	29.35	29.34	29.40	29.319
17 2,4,6-TNT	32.88	32.89	32.99	32.98	33.04	32.956
12 3,4-Dinitrotoluene	17.77	17.75	17.77	17.78	17.81	17.775

Retention times are expressed as minutes.

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Laucks Testing Labs
Initial Calibration Amounts Summary

Start Cal Date: 21-SEP-2007 15:23
End Cal Date : 21-SEP-2007 17:59
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\felix\Felix.i\F92107.b\8330syn92207mnx.m
Sublist : 8330MNX.sub
Column : EtPh
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210707.D
Level 2: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210708.D
Level 3: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210709.D
Level 4: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210710.D
Level 5: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210711.D

	Compound	Level 1	Level 2	Level 3	Level 4	Level 5
3	MNX	50.00	100.00	500.00	1000.00	5000.00
4	HMX	50.00	100.00	500.00	1000.00	5000.00
5	RDX	50.00	100.00	500.00	1000.00	5000.00
6	Nitrobenzene	50.00	100.00	500.00	1000.00	5000.00
7	4-Amino-2,6-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00
8	2-Nitrotoluene	50.00	100.00	500.00	1000.00	5000.00
9	4-Nitrotoluene	50.00	100.00	500.00	1000.00	5000.00
10	2-Amino-4,6-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00
11	1,3-Dinitrobenzene/3NT	100.00	200.00	1000.00	2000.00	10000.00
13	2,6-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00
14	2,4-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00

Standard concentrations are expressed as ng/mL.

Laucks Testing Labs
Initial Calibration Amounts Summary

Start Cal Date: 21-SEP-2007 15:23
End Cal Date : 21-SEP-2007 17:59
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\felix\Felix.i\F92107.b\8330syn92207mnx.m
Sublist : 8330MNX.sub
Column : EtPh
Column Size : 0m L - 4.60mm ID

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
15 1,3,5-Trinitrobenzene	50.00	100.00	500.00	1000.00	5000.00
16 Tetryl	50.00	100.00	500.00	1000.00	5000.00
17 2,4,6-TNT	50.00	100.00	500.00	1000.00	5000.00
12 3,4-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00

Standard concentrations are expressed as ng/mL.

Laucks Testing Labs
Initial Calibration Response Summary

Start Cal Date: 21-SEP-2007 15:23
End Cal Date : 21-SEP-2007 17:59
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\felix\Felix.i\F92107.b\8330syn92207mnx.m
Sublist : 8330MNX.sub
Column : EtPh
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210707.D
Level 2: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210708.D
Level 3: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210709.D
Level 4: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210710.D
Level 5: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210711.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
3 MNX	530.00000	984.00000	5264.0000	9899.0000	49795.000
4 HMX	279.00000	522.00000	2763.0000	5379.0000	26330.000
5 RDX	370.00000	695.00000	3554.0000	6916.0000	33799.000
6 Nitrobenzene	552.00000	1131.0000	5660.0000	11450.000	57366.000
7 4-Amino-2,6-Dinitrotoluene	393.00000	757.00000	3850.0000	7556.0000	37322.000
8 2-Nitrotoluene	283.00000	575.00000	2833.0000	5726.0000	28788.000
9 4-Nitrotoluene	398.00000	796.00000	4001.0000	7886.0000	38970.000
10 2-Amino-4,6-Dinitrotoluene	600.00000	1162.0000	5955.0000	11711.000	57950.000
11 1,3-Dinitrobenzene/3NT	694.00000	1371.0000	6886.0000	13571.000	66977.000
13 2,6-Dinitrotoluene	248.00000	481.00000	2417.0000	4777.0000	23546.000
14 2,4-Dinitrotoluene	428.00000	822.00000	4172.0000	8241.0000	40470.000

Response is in Height units.

Laucks Testing Labs
Initial Calibration Response Summary

Start Cal Date: 21-SEP-2007 15:23
End Cal Date : 21-SEP-2007 17:59
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\felix\Felix.i\F92107.b\8330syn92207mnx.m
Sublist : 8330MNX.sub
Column : EtPh
Column Size : 0m L - 4.60mm ID

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
15 1,3,5-Trinitrobenzene	280.00000	542.00000	2771.0000	5424.0000	26693.000
16 Tetryl	169.00000	346.00000	1747.0000	3414.0000	16700.000
17 2,4,6-TNT	203.00000	387.00000	1950.0000	3801.0000	18668.000
12 3,4-Dinitrotoluene	252.00000	497.00000	2496.0000	4877.0000	23977.000

Response is in Height units.

Laucks Testing Labs
Initial Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/O92607.b/O9260703.D		
Injection Date	: 26-SEP-2007 14:19		
Sample Info	: STD04 1000PPB METHOD 8330		
Misc. Info	: ICV		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-02 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: 8330JUL1807.m	Sublist	: 8330
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_4
Column	: C18	Column Size	: 0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	ICV CF	%D	Flag
HMX	4.59 #	4.34 - 4.84	9.897280	9.718000	1.8	
RDX	8.05 #	7.80 - 8.30	7.582720	7.530000	0.7	
1,3,5-Trinitrobenzene	11.68 #	11.43 - 11.93	13.95844	13.52100	3.1	
1,3-Dinitrobenzene	14.44 #	14.20 - 14.70	15.04556	14.79800	1.6	
Tetryl	16.22 #	15.98 - 16.48	7.740920	7.106000	8.2	
Nitrobenzene	16.96 #	16.71 - 17.21	8.446600	8.799000	-4.2	
3,4-Dinitrotoluene	17.44 #	17.19 - 17.69	7.501920	6.380000	15.0	
2,4,6-Trinitrotoluene	19.70 #	19.45 - 19.95	8.824880	7.910000	10.4	
4-Amino-2,6-Dinitrotoluene	20.45 #	20.15 - 20.75	6.063200	5.852000	3.5	
2-Amino-4,6-Dinitrotoluene	21.56 #	21.26 - 21.86	8.006160	7.750000	3.2	
2,6-Dinitrotoluene	22.90 #	22.61 - 23.19	5.167800	5.098000	1.4	
2,4-Dinitrotoluene	23.82 #	23.53 - 24.11	9.512000	9.301000	2.2	
2-Nitrotoluene	28.81 #	28.45 - 29.17	3.457520	3.586000	-3.7	
4-Nitrotoluene	31.33 #	30.93 - 31.73	2.725720	2.830000	-3.8	
3-Nitrotoluene	33.68 #	33.24 - 34.12	3.203920	3.344000	-4.4	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - ICV CF) divided by Ave CF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/092607.b/09260709.D		
Injection Date	: 26-SEP-2007 18:30		
Sample Info	: STD04 1000PPB METHOD 8330		
Misc. Info	: Method 8330		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-02 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: 8330JUL1807.m	Sublist	: 8330
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 2.00	Sample Type:	CCALIB_4
Column	: C18	Column Size:	0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
HMX	4.60	4.34 - 4.84	9.897280	9.748000	1.5	
RDX	8.06	7.80 - 8.30	7.582720	7.499000	1.1	
1,3,5-Trinitrobenzene	11.69	11.43 - 11.93	13.95844	13.52600	3.1	
1,3-Dinitrobenzene	14.45	14.20 - 14.70	15.04556	14.87000	1.2	
Tetryl	16.22	15.98 - 16.48	7.740920	7.025000	9.2	
Nitrobenzene	16.96	16.71 - 17.21	8.446600	8.731000	-3.4	
3,4-Dinitrotoluene	17.44	17.19 - 17.69	7.501920	6.337000	15.5	
2,4,6-Trinitrotoluene	19.70	19.45 - 19.95	8.824880	7.879000	10.7	
4-Amino-2,6-Dinitrotoluene	20.43	20.15 - 20.75	6.063200	5.847000	3.6	
2-Amino-4,6-Dinitrotoluene	21.54	21.26 - 21.86	8.006160	7.680000	4.1	
2,6-Dinitrotoluene	22.91	22.61 - 23.19	5.167800	5.034000	2.6	
2,4-Dinitrotoluene	23.82	23.53 - 24.11	9.512000	9.219000	3.1	
2-Nitrotoluene	28.83	28.45 - 29.17	3.457520	3.578000	-3.5	
4-Nitrotoluene	31.35	30.93 - 31.73	2.725720	2.775000	-1.8	
3-Nitrotoluene	33.72	33.24 - 34.12	3.203920	3.356000	-4.7	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/092607.b/09260716.D		
Injection Date	: 26-SEP-2007 23:03		
Sample Info	: STD04 1000PPB METHOD 8330		
Misc. Info	: Method 8330		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-02 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: 8330JUL1807.m	Sublist	: 8330
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 2.00	Sample Type	: CCALIB_4
Column	: C18	Column Size	: 0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
HMX	4.59	4.34 - 4.84	9.897280	9.709000	1.9	
RDX	8.05	7.80 - 8.30	7.582720	7.595000	-0.2	
1,3,5-Trinitrobenzene	11.66	11.43 - 11.93	13.95844	13.68800	1.9	
1,3-Dinitrobenzene	14.40	14.20 - 14.70	15.04556	14.87200	1.2	
Tetryl	16.16	15.98 - 16.48	7.740920	7.132000	7.9	
Nitrobenzene	16.92	16.71 - 17.21	8.446600	8.728000	-3.3	
3,4-Dinitrotoluene	17.38	17.19 - 17.69	7.501920	6.428000	14.3	
2,4,6-Trinitrotoluene	19.64	19.45 - 19.95	8.824880	7.856000	11.0	
4-Amino-2,6-Dinitrotoluene	20.37	20.15 - 20.75	6.063200	5.817000	4.1	
2-Amino-4,6-Dinitrotoluene	21.48	21.26 - 21.86	8.006160	7.668000	4.2	
2,6-Dinitrotoluene	22.85	22.61 - 23.19	5.167800	5.052000	2.2	
2,4-Dinitrotoluene	23.76	23.53 - 24.11	9.512000	9.224000	3.0	
2-Nitrotoluene	28.77	28.45 - 29.17	3.457520	3.518000	-1.7	
4-Nitrotoluene	31.29	30.93 - 31.73	2.725720	2.766000	-1.5	
3-Nitrotoluene	33.65	33.24 - 34.12	3.203920	3.279000	-2.3	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/O92607.b/O9260724.D		
Injection Date	: 27-SEP-2007 04:15		
Sample Info	: STD04 1000PPB METHOD 8330		
Misc. Info	: Method 8330		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-02 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: 8330JUL1807.m	Sublist	: 8330
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 2.00	Sample Type:	CCALIB_4
Column	: C18	Column Size:	0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
HMX	4.59	4.34 - 4.84	9.897280	9.864000	0.3	
RDX	8.04	7.80 - 8.30	7.582720	7.692000	-1.4	
1,3,5-Trinitrobenzene	11.64	11.43 - 11.93	13.95844	13.84700	0.8	
1,3-Dinitrobenzene	14.38	14.20 - 14.70	15.04556	15.02600	0.1	
Tetryl	16.14	15.98 - 16.48	7.740920	7.204000	6.9	
Nitrobenzene	16.90	16.71 - 17.21	8.446600	8.713000	-3.2	
3,4-Dinitrotoluene	17.35	17.19 - 17.69	7.501920	6.512000	13.2	
2,4,6-Trinitrotoluene	19.61	19.45 - 19.95	8.824880	7.992000	9.4	
4-Amino-2,6-Dinitrotoluene	20.34	20.15 - 20.75	6.063200	5.953000	1.8	
2-Amino-4,6-Dinitrotoluene	21.45	21.26 - 21.86	8.006160	7.842000	2.1	
2,6-Dinitrotoluene	22.80	22.61 - 23.19	5.167800	5.138000	0.6	
2,4-Dinitrotoluene	23.71	23.53 - 24.11	9.512000	9.381000	1.4	
2-Nitrotoluene	28.70	28.45 - 29.17	3.457520	3.532000	-2.2	
4-Nitrotoluene	31.23	30.93 - 31.73	2.725720	2.782000	-2.1	
3-Nitrotoluene	33.59	33.24 - 34.12	3.203920	3.301000	-3.0	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Initial Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/OA0107A.b/OA010710.D		
Injection Date	: 01-OCT-2007 17:29		
Sample Info	: STD04 1000PPB METHOD 8330		
Misc. Info	: ICV		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-02 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: 8330JUL1807.m	Sublist	: 8330
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type:	CCALIB_4
Column	: C18	Column Size:	0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	ICV CF	%D	Flag
HMX	4.57 #	4.32 - 4.82	9.897280	9.558000	3.4	
RDX	7.99 #	7.74 - 8.24	7.582720	7.526000	0.7	
1,3,5-Trinitrobenzene	11.57 #	11.32 - 11.82	13.95844	13.64200	2.3	
1,3-Dinitrobenzene	14.29 #	14.04 - 14.54	15.04556	14.68900	2.4	
Tetryl	16.00 #	15.75 - 16.25	7.740920	7.032000	9.2	
Nitrobenzene	16.78 #	16.53 - 17.03	8.446600	8.714000	-3.2	
3,4-Dinitrotoluene	17.19 #	16.94 - 17.44	7.501920	6.533000	12.9	
2,4,6-Trinitrotoluene	19.45 #	19.20 - 19.70	8.824880	7.826000	11.3	
4-Amino-2,6-Dinitrotoluene	20.15 #	19.85 - 20.45	6.063200	5.871000	3.2	
2-Amino-4,6-Dinitrotoluene	21.25 #	20.95 - 21.55	8.006160	7.769000	3.0	
2,6-Dinitrotoluene	22.59 #	22.30 - 22.88	5.167800	5.087000	1.6	
2,4-Dinitrotoluene	23.49 #	23.20 - 23.78	9.512000	9.269000	2.6	
2-Nitrotoluene	28.42 #	28.06 - 28.78	3.457520	3.503000	-1.3	
4-Nitrotoluene	30.90 #	30.50 - 31.30	2.725720	2.762000	-1.3	
3-Nitrotoluene	33.22 #	32.78 - 33.66	3.203920	3.263000	-1.8	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - ICV CF) divided by Ave CF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/OA0107A.b/OA010718.D		
Injection Date	: 01-OCT-2007 22:42		
Sample Info	: STD04 1000PPB METHOD 8330		
Misc. Info	: Method 8330		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-02 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: 8330JUL1807.m	Sublist	: 8330
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_4
Column	: C18	Column Size	: 0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
HMX	4.57	4.32 - 4.82	9.897280	9.472000	4.3	
RDX	7.99	7.74 - 8.24	7.582720	7.430000	2.0	
1,3,5-Trinitrobenzene	11.56	11.32 - 11.82	13.95844	13.36200	4.3	
1,3-Dinitrobenzene	14.29	14.04 - 14.54	15.04556	14.53900	3.4	
Tetryl	16.00	15.75 - 16.25	7.740920	6.827000	11.8	
Nitrobenzene	16.78	16.53 - 17.03	8.446600	8.455000	-0.1	
3,4-Dinitrotoluene	17.20	16.94 - 17.44	7.501920	6.333000	15.6	
2,4,6-Trinitrotoluene	19.46	19.20 - 19.70	8.824880	7.628000	13.6	
4-Amino-2,6-Dinitrotoluene	20.18	19.85 - 20.45	6.063200	5.709000	5.8	
2-Amino-4,6-Dinitrotoluene	21.29	20.95 - 21.55	8.006160	7.496000	6.4	
2,6-Dinitrotoluene	22.63	22.30 - 22.88	5.167800	4.888000	5.4	
2,4-Dinitrotoluene	23.54	23.20 - 23.78	9.512000	9.011000	5.3	
2-Nitrotoluene	28.47	28.06 - 28.78	3.457520	3.441000	0.5	
4-Nitrotoluene	30.96	30.50 - 31.30	2.725720	2.682000	1.6	
3-Nitrotoluene	33.29	32.78 - 33.66	3.203920	3.198000	0.2	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/OA0107A.b/OA010725.D		
Injection Date	: 02-OCT-2007 03:15		
Sample Info	: STD04 1000PPB METHOD 8330		
Misc. Info	: Method 8330		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-02 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: 8330JUL1807.m	Sublist	: 8330
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_4
Column	: C18	Column Size	: 0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
HMX	4.58	4.32 - 4.82	9.897280	9.582000	3.2	
RDX	8.01	7.74 - 8.24	7.582720	7.532000	0.7	
1,3,5-Trinitrobenzene	11.59	11.32 - 11.82	13.95844	13.53100	3.1	
1,3-Dinitrobenzene	14.32	14.04 - 14.54	15.04556	14.67800	2.4	
Tetryl	16.05	15.75 - 16.25	7.740920	6.959000	10.1	
Nitrobenzene	16.82	16.53 - 17.03	8.446600	8.457000	-0.1	
3,4-Dinitrotoluene	17.25	16.94 - 17.44	7.501920	6.404000	14.6	
2,4,6-Trinitrotoluene	19.51	19.20 - 19.70	8.824880	7.720000	12.5	
4-Amino-2,6-Dinitrotoluene	20.26	19.85 - 20.45	6.063200	5.767000	4.9	
2-Amino-4,6-Dinitrotoluene	21.37	20.95 - 21.55	8.006160	7.607000	5.0	
2,6-Dinitrotoluene	22.69	22.30 - 22.88	5.167800	4.968000	3.9	
2,4-Dinitrotoluene	23.61	23.20 - 23.78	9.512000	9.087000	4.5	
2-Nitrotoluene	28.55	28.06 - 28.78	3.457520	3.410000	1.4	
4-Nitrotoluene	31.06	30.50 - 31.30	2.725720	2.704000	0.8	
3-Nitrotoluene	33.40	32.78 - 33.66	3.203920	3.172000	1.0	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/OA0107A.b/OA010733.D		
Injection Date	: 02-OCT-2007 08:26		
Sample Info	: STD04 1000PPB METHOD 8330		
Misc. Info	: Method 8330		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-02 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: 8330JUL1807.m	Sublist	: 8330
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type:	CCALIB_4
Column	: C18	Column Size:	0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
HMX	4.57	4.32 - 4.82	9.897280	9.603000	3.0	
RDX	7.99	7.74 - 8.24	7.582720	7.566000	0.2	
1,3,5-Trinitrobenzene	11.57	11.32 - 11.82	13.95844	13.51800	3.2	
1,3-Dinitrobenzene	14.30	14.04 - 14.54	15.04556	14.63000	2.8	
Tetryl	16.02	15.75 - 16.25	7.740920	6.957000	10.1	
Nitrobenzene	16.80	16.53 - 17.03	8.446600	8.420000	0.3	
3,4-Dinitrotoluene	17.22	16.94 - 17.44	7.501920	6.410000	14.6	
2,4,6-Trinitrotoluene	19.48	19.20 - 19.70	8.824880	7.681000	13.0	
4-Amino-2,6-Dinitrotoluene	20.20	19.85 - 20.45	6.063200	5.758000	5.0	
2-Amino-4,6-Dinitrotoluene	21.30	20.95 - 21.55	8.006160	7.583000	5.3	
2,6-Dinitrotoluene	22.66	22.30 - 22.88	5.167800	4.966000	3.9	
2,4-Dinitrotoluene	23.56	23.20 - 23.78	9.512000	9.096000	4.4	
2-Nitrotoluene	28.51	28.06 - 28.78	3.457520	3.391000	1.9	
4-Nitrotoluene	30.99	30.50 - 31.30	2.725720	2.695000	1.1	
3-Nitrotoluene	33.32	32.78 - 33.66	3.203920	3.140000	2.0	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Initial Calibration Verification Summary

Data File	: //ceres/labdata/hplc/felix/Felix.i/F92707.b/F9270703.D		
Injection Date	: 27-SEP-2007 11:44		
Sample Info	: STD04 1000PPB METHOD8330		
Misc. Info	: ICV		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-02 20X
Instrument ID	: Felix.i	Operator	: MY
Method	: 8330syn92207mnx.m	Sublist	: 8330
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type:	CCALIB_4
Column	: EtPh	Column Size:	0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	ICV CF	%D	Flag
HMX	8.14 #	7.89 - 8.39	5.394200	5.542000	-2.7	
RDX	8.68 #	8.43 - 8.93	7.026760	7.099000	-1.0	
Nitrobenzene	11.37 #	11.12 - 11.62	11.31864	11.85800	-4.8	
4-Amino-2,6-Dinitrotoluene	14.29 #	14.04 - 14.54	7.630080	7.583000	0.6	
2-Nitrotoluene	14.72 #	14.46 - 14.96	5.711920	6.006000	-5.1	
4-Nitrotoluene	15.46 #	15.21 - 15.71	7.920400	8.579000	-8.3	
2-Amino-4,6-Dinitrotoluene	15.78 #	15.54 - 16.04	11.76620	11.34100	3.6	
1,3-Dinitrobenzene/3NT	16.21 #	15.96 - 16.46	6.832840	6.822500	0.2	
3,4-Dinitrotoluene	17.52 #	17.27 - 17.77	4.934880	5.128000	-3.9	
2,6-Dinitrotoluene	18.96 #	18.71 - 19.21	4.818040	5.040000	-4.6	
2,4-Dinitrotoluene	21.91 #	21.66 - 22.16	8.291800	8.677000	-4.6	
1,3,5-Trinitrobenzene	25.04 #	24.77 - 25.31	5.464920	5.694000	-4.2	
Tetryl	28.82 #	28.39 - 29.25	3.417600	3.571000	-4.5	
2,4,6-TNT	32.46 #	32.02 - 32.90	3.872920	3.986000	-2.9	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - ICV CF) divided by Ave CF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/felix/Felix.i/F92707.b/F9270710.D		
Injection Date	: 27-SEP-2007 16:32		
Sample Info	: STD04 1000PPB METHOD 8330		
Misc. Info	: Method 8330		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-02 20X
Instrument ID	: Felix.i	Operator	: MY
Method	: 8330syn92207mnx.m	Sublist	: 8330
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_4
Column	: EtPh	Column Size	: 0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
HMX	8.15	7.89 - 8.39	5.394200	5.454000	-1.1	
RDX	8.68	8.43 - 8.93	7.026760	7.050000	-0.3	
Nitrobenzene	11.37	11.12 - 11.62	11.31864	11.95100	-5.6	
4-Amino-2,6-Dinitrotoluene	14.28	14.04 - 14.54	7.630080	7.524000	1.4	
2-Nitrotoluene	14.71	14.46 - 14.96	5.711920	5.982000	-4.7	
4-Nitrotoluene	15.46	15.21 - 15.71	7.920400	8.658000	-9.3	
2-Amino-4,6-Dinitrotoluene	15.78	15.54 - 16.04	11.76620	11.29800	4.0	
1,3-Dinitrobenzene/3NT	16.20	15.96 - 16.46	6.832840	6.874500	-0.6	
3,4-Dinitrotoluene	17.52	17.27 - 17.77	4.934880	5.076000	-2.9	
2,6-Dinitrotoluene	18.96	18.71 - 19.21	4.818040	4.965000	-3.1	
2,4-Dinitrotoluene	21.91	21.66 - 22.16	8.291800	8.517000	-2.7	
1,3,5-Trinitrobenzene	25.04	24.77 - 25.31	5.464920	5.605000	-2.6	
Tetryl	28.83	28.39 - 29.25	3.417600	3.498000	-2.4	
2,4,6-TNT	32.49	32.02 - 32.90	3.872920	3.906000	-0.9	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/felix/Felix.i/F92707.b/F9270715.D		
Injection Date	: 27-SEP-2007 19:47		
Sample Info	: STD04 1000PPB METHOD 8330		
Misc. Info	: Method 8330		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-02 20X
Instrument ID	: Felix.i	Operator	: MY
Method	: 8330syn92207mnx.m	Sublist	: 8330
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_4
Column	: EtPh	Column Size	: 0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
HMX	8.15	7.89 - 8.39	5.394200	5.759000	-6.8	
RDX	8.68	8.43 - 8.93	7.026760	7.308000	-4.0	
Nitrobenzene	11.37	11.12 - 11.62	11.31864	11.99700	-6.0	
4-Amino-2,6-Dinitrotoluene	14.30	14.04 - 14.54	7.630080	7.600000	0.4	
2-Nitrotoluene	14.73	14.46 - 14.96	5.711920	5.982000	-4.7	
4-Nitrotoluene	15.48	15.21 - 15.71	7.920400	8.628000	-8.9	
2-Amino-4,6-Dinitrotoluene	15.80	15.54 - 16.04	11.76620	11.44000	2.8	
1,3-Dinitrobenzene/3NT	16.22	15.96 - 16.46	6.832840	6.883000	-0.7	
3,4-Dinitrotoluene	17.54	17.27 - 17.77	4.934880	5.099000	-3.3	
2,6-Dinitrotoluene	18.99	18.71 - 19.21	4.818040	5.015000	-4.1	
2,4-Dinitrotoluene	21.95	21.66 - 22.16	8.291800	8.606000	-3.8	
1,3,5-Trinitrobenzene	25.10	24.77 - 25.31	5.464920	5.625000	-2.9	
Tetryl	28.94	28.39 - 29.25	3.417600	3.436000	-0.5	
2,4,6-TNT	32.60	32.02 - 32.90	3.872920	3.944000	-1.8	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Initial Calibration Verification Summary

Data File	: //ceres/labdata/hplc/felix/Felix.i/FA0207.b/FA020704.D		
Injection Date	: 02-OCT-2007 12:02		
Sample Info	: STD04 1000PPB METHOD8330		
Misc. Info	: ICV		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-02 20X
Instrument ID	: Felix.i	Operator	: MY
Method	: 8330syn92207mnx.m	Sublist	: 8330
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type:	CCALIB_4
Column	: EtPh	Column Size:	0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	ICV CF	%D	Flag
HMX	8.12 #	7.87 - 8.37	5.394200	5.457000	-1.2	
RDX	8.65 #	8.40 - 8.90	7.026760	7.026000	0.0	
Nitrobenzene	11.33 #	11.08 - 11.58	11.31864	11.88300	-5.0	
4-Amino-2,6-Dinitrotoluene	14.23 #	13.98 - 14.48	7.630080	7.264000	4.8	
2-Nitrotoluene	14.66 #	14.41 - 14.91	5.711920	5.913000	-3.5	
4-Nitrotoluene	15.42 #	15.17 - 15.67	7.920400	8.711000	-10.0	
2-Amino-4,6-Dinitrotoluene	15.72 #	15.47 - 15.97	11.76620	10.83500	7.9	
1,3-Dinitrobenzene/3NT	16.16 #	15.91 - 16.41	6.832840	6.824500	0.1	
3,4-Dinitrotoluene	17.46 #	17.21 - 17.71	4.934880	5.007000	-1.5	
2,6-Dinitrotoluene	18.89 #	18.64 - 19.14	4.818040	4.916000	-2.0	
2,4-Dinitrotoluene	21.84 #	21.58 - 22.08	8.291800	8.460000	-2.0	
1,3,5-Trinitrobenzene	24.96 #	24.69 - 25.23	5.464920	5.559000	-1.7	
Tetryl	28.70 #	28.27 - 29.13	3.417600	3.473000	-1.6	
2,4,6-TNT	32.34 #	31.90 - 32.78	3.872920	3.888000	-0.4	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - ICV CF) divided by Ave CF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/felix/Felix.i/FA0207.b/FA020710.D		
Injection Date	: 02-OCT-2007 16:06		
Sample Info	: STD04 1000PPB METHOD 8330		
Misc. Info	: Method 8330		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-02 20X
Instrument ID	: Felix.i	Operator	: MY
Method	: 8330syn92207mnx.m	Sublist	: 8330
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_4
Column	: EtPh	Column Size	: 0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
HMX	8.13	7.87 - 8.37	5.394200	5.459000	-1.2	
RDX	8.66	8.40 - 8.90	7.026760	7.004000	0.3	
Nitrobenzene	11.35	11.08 - 11.58	11.31864	11.99600	-6.0	
4-Amino-2,6-Dinitrotoluene	14.24	13.98 - 14.48	7.630080	7.324000	4.0	
2-Nitrotoluene	14.68	14.41 - 14.91	5.711920	6.004000	-5.1	
4-Nitrotoluene	15.44	15.17 - 15.67	7.920400	8.650000	-9.2	
2-Amino-4,6-Dinitrotoluene	15.73	15.47 - 15.97	11.76620	10.83900	7.9	
1,3-Dinitrobenzene/3NT	16.18	15.91 - 16.41	6.832840	6.917500	-1.2	
3,4-Dinitrotoluene	17.47	17.21 - 17.71	4.934880	5.044000	-2.2	
2,6-Dinitrotoluene	18.91	18.64 - 19.14	4.818040	4.934000	-2.4	
2,4-Dinitrotoluene	21.86	21.58 - 22.08	8.291800	8.498000	-2.5	
1,3,5-Trinitrobenzene	24.98	24.69 - 25.23	5.464920	5.578000	-2.1	
Tetryl	28.72	28.27 - 29.13	3.417600	3.515000	-2.8	
2,4,6-TNT	32.37	31.90 - 32.78	3.872920	3.917000	-1.1	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/felix/Felix.i/FA0207.b/FA020716.D		
Injection Date	: 02-OCT-2007 20:00		
Sample Info	: STD04 1000PPB METHOD 8330		
Misc. Info	: Method 8330		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-02 20X
Instrument ID	: Felix.i	Operator	: MY
Method	: 8330syn92207mnx.m	Sublist	: 8330
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_4
Column	: EtPh	Column Size	: 0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
HMX	8.14	7.87 - 8.37	5.394200	5.473000	-1.5	
RDX	8.67	8.40 - 8.90	7.026760	7.009000	0.3	
Nitrobenzene	11.36	11.08 - 11.58	11.31864	11.90300	-5.2	
4-Amino-2,6-Dinitrotoluene	14.28	13.98 - 14.48	7.630080	7.428000	2.6	
2-Nitrotoluene	14.70	14.41 - 14.91	5.711920	5.954000	-4.2	
4-Nitrotoluene	15.46	15.17 - 15.67	7.920400	8.611000	-8.7	
2-Amino-4,6-Dinitrotoluene	15.77	15.47 - 15.97	11.76620	11.07400	5.9	
1,3-Dinitrobenzene/3NT	16.20	15.91 - 16.41	6.832840	6.829000	0.1	
3,4-Dinitrotoluene	17.51	17.21 - 17.71	4.934880	5.088000	-3.1	
2,6-Dinitrotoluene	18.95	18.64 - 19.14	4.818040	4.941000	-2.6	
2,4-Dinitrotoluene	21.91	21.58 - 22.08	8.291800	8.468000	-2.1	
1,3,5-Trinitrobenzene	25.04	24.69 - 25.23	5.464920	5.563000	-1.8	
Tetryl	28.82	28.27 - 29.13	3.417600	3.556000	-4.0	
2,4,6-TNT	32.47	31.90 - 32.78	3.872920	3.903000	-0.8	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B092607HORWLG

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R021944

Matrix: (SOIL/WATER) Water

Lab Sample ID: B092607HORWLG

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: O9260704.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/26/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.50	U
121-82-4	RDX	0.50	U
99-35-4	1,3,5-Trinitrobenzene	0.50	U
99-65-0	1,3-Dinitrobenzene	0.50	U
98-95-3	Nitrobenzene	0.50	U
479-45-8	Tetryl	0.50	U
118-96-7	2,4,6-Trinitrotoluene	0.50	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.50	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.50	U
606-20-2	2,6-Dinitrotoluene	0.50	U
121-14-2	2,4-Dinitrotoluene	0.50	U
88-72-2	2-Nitrotoluene	0.50	U
99-99-0	4-Nitrotoluene	0.50	U
99-08-1	3-Nitrotoluene	0.50	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B100107HORWLG

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R022105

Matrix: (SOIL/WATER) Water

Lab Sample ID: B100107HORWLG

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: OA010715.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SPE

Date Extracted: 10/01/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 10/01/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.50	U
121-82-4	RDX	0.50	U
99-35-4	1,3,5-Trinitrobenzene	0.50	U
99-65-0	1,3-Dinitrobenzene	0.50	U
98-95-3	Nitrobenzene	0.50	U
479-45-8	Tetryl	0.50	U
118-96-7	2,4,6-Trinitrotoluene	0.50	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.50	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.50	U
606-20-2	2,6-Dinitrotoluene	0.50	U
121-14-2	2,4-Dinitrotoluene	0.50	U
88-72-2	2-Nitrotoluene	0.50	U
99-99-0	4-Nitrotoluene	0.50	U
99-08-1	3-Nitrotoluene	0.50	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S092607HORWLG

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R021944

Matrix: (SOIL/WATER) Water

Lab Sample ID: S092607HORWLG

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: O9260705.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/26/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
2691-41-0	HMX	8.71	
121-82-4	RDX	7.54	
99-35-4	1,3,5-Trinitrobenzene	18.7	
99-65-0	1,3-Dinitrobenzene	19.5	
98-95-3	Nitrobenzene	19.5	
479-45-8	Tetryl	17.7	
118-96-7	2,4,6-Trinitrotoluene	19.2	
19406-51-0	4-Amino-2,6-dinitrotoluene	18.3	
35572-78-2	2-Amino-4,6-dinitrotoluene	19.6	
606-20-2	2,6-Dinitrotoluene	19.5	
121-14-2	2,4-Dinitrotoluene	18.9	
88-72-2	2-Nitrotoluene	19.2	
99-99-0	4-Nitrotoluene	19.3	
99-08-1	3-Nitrotoluene	19.0	

Comments:

CONFIRMATION SUMMARY WORKSHEET FOR SINGLE COMPONENT ANALYTES

Client Sample ID

S092607HORWLG

Lab Name: Laucks Testing Labs, Inc.

Lab Sample ID: S092607HORWLG

Instrument ID: HPLC5 (Oscar) Run Sequence ID: R021944

Column (1): Allure C18 Column (2): Synergi - EtPH

File (1): O92607.b-O9260705.D File (2): F92707.b-F9270705.D

Date Analyzed (1): 9/26/2007 3:54:00 PM Date Analyzed (2): 9/27/2007 1:17:00 PM

ANALYTE	COL	CONCENTRATION Final Units: ug/L		RPD	RT	RT Window
HMX	1	8.70946	X	4.8 %	4.60	4.29 - 4.79
	2	9.13945			8.17	7.98 - 8.48
RDX	1	7.54215	X	1.7 %	8.06	7.67 - 8.17
	2	7.41309			8.71	8.53 - 9.03
1,3,5-Trinitrobenzene	1	18.6883	X	4.4 %	11.68	11.20 - 11.70
	2	19.5319			25.10	25.11 - 25.61
1,3-Dinitrobenzene	1	19.4961	X	63.1 %	14.44	13.91 - 14.41
	2	37.4851			16.25	16.18 - 16.68
Nitrobenzene	1	19.4966	X	0.6 %	16.95	16.41 - 16.91
	2	19.3857			11.41	11.24 - 11.74
Tetryl	1	17.7421	X	8.0 %	16.21	15.58 - 16.08
	2	19.2152			28.89	29.07 - 29.57
2,4,6-Trinitrotoluene	1	19.1901	X	15.9 %	19.69	19.00 - 19.50
	2	22.4972			32.53	32.71 - 33.21
4-Amino-2,6-dinitrotoluen	1	18.3336	X	3.9 %	20.44	19.67 - 20.27
	2	19.0614			14.34	14.19 - 14.79
2-Amino-4,6-dinitrotoluen	1	19.6461	X	2.4 %	21.55	20.76 - 21.36
	2	19.1761			15.84	15.72 - 16.32
2,6-Dinitrotoluene	1	19.546	X	4.2 %	22.90	22.12 - 22.70
	2	20.388			19.02	18.93 - 19.51
2,4-Dinitrotoluene	1	18.8646	X	5.1 %	23.81	23.01 - 23.59
	2	19.8461			21.98	21.93 - 22.51
2-Nitrotoluene	1	19.1843	X	3.2 %	28.81	27.88 - 28.60
	2	19.8077			14.76	14.54 - 15.26

X = Concentration Reported

CONFIRMATION SUMMARY WORKSHEET FOR SINGLE COMPONENT ANALYTES

Client Sample ID

S092607HORWLG

Lab Name: Laucks Testing Labs, Inc.

Lab Sample ID: S092607HORWLG

Instrument ID: HPLC5 (Oscar) | Run Sequence ID: R021944

Column (1): Allure C18 | Column (2): Synergi - EtPH

File (1): O92607.b-O9260705.D | File (2): F92707.b-F9270705.D

Date Analyzed (1): 9/26/2007 3:54:00 PM | Date Analyzed (2): 9/27/2007 1:17:00 PM

ANALYTE	COL	CONCENTRATION Final Units: ug/L		RPD	RT	RT Window
4-Nitrotoluene	1	19.294	X	5.6 %	31.33	30.28 - 31.08
	2	20.403			15.51	15.26 - 16.06
3-Nitrotoluene	1	19.0017	X	65.4 %	33.70	32.57 - 33.45
	2	37.4851			16.25	15.99 - 16.87

X = Concentration Reported

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S100107HORWLG

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R022105

Matrix: (SOIL/WATER) Water

Lab Sample ID: S100107HORWLG

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: OA010716.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SPE

Date Extracted: 10/01/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 10/01/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
2691-41-0	HMX	22.5	
121-82-4	RDX	22.2	
99-35-4	1,3,5-Trinitrobenzene	21.6	
99-65-0	1,3-Dinitrobenzene	22.0	
98-95-3	Nitrobenzene	22.3	
479-45-8	Tetryl	19.6	
118-96-7	2,4,6-Trinitrotoluene	20.4	
19406-51-0	4-Amino-2,6-dinitrotoluene	19.3	
35572-78-2	2-Amino-4,6-dinitrotoluene	20.8	
606-20-2	2,6-Dinitrotoluene	20.7	
121-14-2	2,4-Dinitrotoluene	20.0	
88-72-2	2-Nitrotoluene	20.4	
99-99-0	4-Nitrotoluene	20.4	
99-08-1	3-Nitrotoluene	20.1	

Comments:

CONFIRMATION SUMMARY WORKSHEET FOR SINGLE COMPONENT ANALYTES

Client Sample ID

S100107HORWLG

Lab Name: Laucks Testing Labs, Inc.

Lab Sample ID: S100107HORWLG

Instrument ID: HPLC5 (Oscar) Run Sequence ID: R022105

Column (1): Allure C18 Column (2): Synergi - EtPH

File (1): OA0107A.b-OA010716.D File (2): FA0207.b-FA020712.D

Date Analyzed (1): 10/1/2007 9:24:00 PM Date Analyzed (2): 10/2/2007 5:24:00 PM

ANALYTE	COL	CONCENTRATION Final Units: ug/L		RPD	RT	RT Window
HMX	1	22.5294	X	8.1 %	4.58	4.32 - 4.82
	2	24.4318			8.16	7.87 - 8.37
RDX	1	22.1636	X	0.5 %	8.00	7.74 - 8.24
	2	22.2763			8.70	8.40 - 8.90
1,3,5-Trinitrobenzene	1	21.6199	X	6.0 %	11.57	11.32 - 11.82
	2	22.9647			25.06	24.71 - 25.21
1,3-Dinitrobenzene	1	21.9766	X	64.7 %	14.29	14.04 - 14.54
	2	42.9909			16.26	15.91 - 16.41
Nitrobenzene	1	22.3025	X	3.3 %	16.78	16.53 - 17.03
	2	23.0531			11.39	11.08 - 11.58
Tetryl	1	19.5778	X	10.3 %	15.99	15.75 - 16.25
	2	21.6965			28.84	28.45 - 28.95
2,4,6-Trinitrotoluene	1	20.3663	X	15.3 %	19.45	19.20 - 19.70
	2	23.7418			32.49	32.09 - 32.59
4-Amino-2,6-dinitrotoluen	1	19.2835	X	4.3 %	20.17	19.86 - 20.46
	2	20.14			14.31	13.93 - 14.53
2-Amino-4,6-dinitrotoluen	1	20.8352	X	2.8 %	21.27	20.95 - 21.55
	2	20.2691			15.80	15.42 - 16.02
2,6-Dinitrotoluene	1	20.6664	X	7.2 %	22.61	22.30 - 22.88
	2	22.2186			18.99	18.61 - 19.19
2,4-Dinitrotoluene	1	20.0158	X	7.5 %	23.52	23.20 - 23.78
	2	21.5755			21.94	21.55 - 22.13
2-Nitrotoluene	1	20.3874	X	5.1 %	28.44	28.06 - 28.78
	2	21.4639			14.74	14.30 - 15.02

X = Concentration Reported

CONFIRMATION SUMMARY WORKSHEET FOR SINGLE COMPONENT ANALYTES

Client Sample ID

S100107HORWLG

Lab Name: Laucks Testing Labs, Inc.

Lab Sample ID: S100107HORWLG

Instrument ID: HPLC5 (Oscar) Run Sequence ID: R022105

Column (1): Allure C18 Column (2): Synergi - EtPH

File (1): OA0107A.b-OA010716.D File (2): FA0207.b-FA020712.D

Date Analyzed (1): 10/1/2007 9:24:00 PM Date Analyzed (2): 10/2/2007 5:24:00 PM

ANALYTE	COL	CONCENTRATION Final Units: ug/L		RPD	RT	RT Window
4-Nitrotoluene	1	20.4313	X	9.3 %	30.92	30.50 - 31.30
	2	22.4218			15.50	15.02 - 15.82
3-Nitrotoluene	1	20.0598	X	72.7 %	33.26	32.78 - 33.66
	2	42.9909			16.26	15.72 - 16.60

X = Concentration Reported

Forms Summary

CAB38

Ordnance by Method 8332

2
WATER ORDNANCE SURROGATE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

SDG No.: CAB38 Run Sequence: R021967

(LAB SAMPLE ID) CLIENT SAMPLE NUMBER	S1 (DNT) #	S2 () #	S3 () #	S4 () #	TOT OUT
(CAB38-009) 16L4MW01BW	129				0
(CAB38-008) 16L4MW01AW	116				0
(CAB38-007) 16L4MW440W	102				0
(CAB38-006) 16L4MW07BW	140				0
(CAB38-004) 16L4MW18W	136				0
(CAB38-003) 16L4MW17W	159 *				1
(CAB38-001) 16LCMW430W	132				0
(S092607HORWLG2) S092607HORWLG2	143 *				1
(B092607HORWLG) B092607HORWLG	133				0

QC LIMITS
60-140

S1 (DNT) = 3,4-Dinitrotoluene
S2 () =
S3 () =
S4 () =

Column to be used to flag recovery values
* Values outside of contract required QC limits

3B
WATER ORDNANCE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R021967 SDG No.: CAB38

BS Lab Sample ID: S092607HORWLG2

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
Nitroglycerin	10.0	11.3271	113	60-140
PETN	5.00	5.2926	106	60-140

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

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

ORDNANCE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.
B092607HORWLG

Lab Name: Laucks Testing Labs Contract: N/A

Lab Sample ID: B092607HORWLG SDG No.: CAB38

Matrix: (SOIL/WATER) Water Date Prepared: 09/26/2007

Lab File ID (1): O92709.b-O9270704.D Lab File ID (2): _____

Date Analyzed (1): 09/27/2007 Date Analyzed (2): _____

Time Analyzed (1): 12:10 Time Analyzed (2): _____

Instrument ID (1): HPLC5 (Oscar) Instrument ID (2): _____

Column(1): Varian C18 ID: 4.60 (mm) Column(2): _____ ID: _____ (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC SAMPLES:

CLIENT SAMPLE NO.	LAB SAMPLE ID	COL	LAB FILE ID	DATE/TIME ANALYZED	RUN SEQUENCE
16LCMW430W	CAB38-001	1	O9270713.D	09/27/2007 16:04	R021967
16L4MW17W	CAB38-003	1	O9270714.D	09/27/2007 16:30	R021967
16L4MW18W	CAB38-004	1	O9270715.D	09/27/2007 16:56	R021967
16L4MW07BW	CAB38-006	1	O9270716.D	09/27/2007 17:22	R021967
16L4MW440W	CAB38-007	1	O9270717.D	09/27/2007 17:48	R021967
16L4MW01AW	CAB38-008	1	O9270718.D	09/27/2007 18:14	R021967
16L4MW01BW	CAB38-009	1	O9270719.D	09/27/2007 18:40	R021967
S092607HORWLG2	S092607HORWLG2	1	O9270705.D	09/27/2007 12:36	R021967

COMMENTS: _____

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ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW430W

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R021967

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB38-001

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: O9270713.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/20/2007

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/27/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
55-63-0	Nitroglycerin	2.4	U
78-11-5	PETN	1.1	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW17W

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R021967

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB38-003

Sample wt/vol: 1020.0 (g/mL) mL

Lab File ID: O9270714.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/20/2007

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/27/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
55-63-0	Nitroglycerin	2.5	U
78-11-5	PETN	1.2	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW18W

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R021967

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB38-004

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: O9270715.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/20/2007

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/27/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
55-63-0	Nitroglycerin	2.4	U
78-11-5	PETN	1.1	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW07BW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R021967

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB38-006

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: O9270716.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/20/2007

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/27/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
55-63-0	Nitroglycerin	2.4	U
78-11-5	PETN	1.1	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW440W

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R021967

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB38-007

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: O9270717.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/20/2007

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/27/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
55-63-0	Nitroglycerin	2.4	U
78-11-5	PETN	1.1	U

Comments:

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW01AW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R021967

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB38-008

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: O9270718.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/20/2007

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/27/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
55-63-0	Nitroglycerin	2.4	U
78-11-5	PETN	1.1	U

Comments:

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW01BW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R021967

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB38-009

Sample wt/vol: 1040.0 (g/mL) mL

Lab File ID: O9270719.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/20/2007

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/27/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
55-63-0	Nitroglycerin	2.4	U
78-11-5	PETN	1.2	U

Comments:

SUM - 133

Laucks Testing Labs
Initial Calibration Linearity Summary

Start Cal Date: 10-JUL-2006 11:17
End Cal Date : 10-JUL-2006 13:05
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\SNAP568564B\tek4\Oscar.i\O71006ng.b\071006NG.m
Sublist : all.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100601.D
Level 2: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100602.D
Level 3: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100603.D
Level 4: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100604.D
Level 5: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100605.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave CF	%RSD
1 Nitroglycerin	348.3440	362.3640	357.0210	378.5100	373.9440	364.0366	3.4
3 PETN	384.2240	428.2400	383.0820	416.1968	409.5208	404.2527	4.9
2 3,4-Dinitrotoluene	833.5840	891.7440	836.9660	887.3984	879.7140	865.8817	3.3
Average RSD :							3.9

Amount = Response divided by CF

CF - Calibration Factor (response divided by concentration).
RSD - Relative Standard Deviation.

Laucks Testing Labs
Initial Calibration Retention Time Summary

SUM - 134

Start Cal Date: 10-JUL-2006 11:17
End Cal Date : 10-JUL-2006 13:05
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\SNAP568564B\tek4\Oscar.i\O71006ng.b\071006NG.m
Sublist : all.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100601.D
Level 2: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100602.D
Level 3: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100603.D
Level 4: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100604.D
Level 5: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100605.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave RT
1 Nitroglycerin	9.46	9.44	9.45	9.45	9.44	9.449
3 PETN	17.39	17.36	17.36	17.36	17.36	17.369
2 3,4-Dinitrotoluene	10.33	10.31	10.32	10.32	10.31	10.316

Retention times are expressed as minutes.

SUM - 135

Laucks Testing Labs
Initial Calibration Amounts Summary

Start Cal Date: 10-JUL-2006 11:17
End Cal Date : 10-JUL-2006 13:05
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\SNAP568564B\tek4\Oscar.i\O71006ng.b\071006NG.m
Sublist : all.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100601.D
Level 2: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100602.D
Level 3: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100603.D
Level 4: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100604.D
Level 5: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100605.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
1 Nitroglycerin	250.00	500.00	1000.00	2500.00	5000.00
3 PETN	125.00	250.00	500.00	1250.00	2500.00
2 3,4-Dinitrotoluene	125.00	250.00	500.00	1250.00	2500.00

Standard concentrations are expressed as ng/mL.

Laucks Testing Labs
Initial Calibration Response Summary

SUM - 136

Start Cal Date: 10-JUL-2006 11:17
End Cal Date : 10-JUL-2006 13:05
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\SNAP568564B\tek4\Oscar.i\O71006ng.b\071006NG.m
Sublist : all.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100601.D
Level 2: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100602.D
Level 3: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100603.D
Level 4: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100604.D
Level 5: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100605.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
1 Nitroglycerin	87086.000	181182.00	357021.00	946275.00	1869720.0
3 PETN	48028.000	107060.00	191541.00	520246.00	1023802.0
2 3,4-Dinitrotoluene	104198.00	222936.00	418483.00	1109248.0	2199285.0

Response is in Area units.

Laucks Testing Labs
Initial Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/092709.b/09270703.D		
Injection Date	: 27-SEP-2007 11:38		
Sample Info	: STD04 1000PPB METHOD 8332		
Misc. Info	: ICV		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-16-04 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: 071006NG.m	Sublist	: all
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: C18	Column Size	: 0.15m L- 4.60mm ID

Compound	RT	RT Window	Average CF	ICV CF	%D	Flag
Nitroglycerin	9.49 #	9.24 - 9.74	364.0366	364.7480	-0.2	
3,4-Dinitrotoluene	10.48 #	10.22 - 10.72	865.8817	880.6080	-1.7	
PETN	17.64 #	17.39 - 17.89	404.2527	394.1900	2.5	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - ICV CF) divided by Ave CF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/O92709.b/O9270712.D		
Injection Date	: 27-SEP-2007 15:38		
Sample Info	: STD04 1000PPB METHOD 8332		
Misc. Info	: Method 8332		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-16-04 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: 071006NG.m	Sublist	: all
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: C18	Column Size	: 0.15m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
Nitroglycerin	9.49	9.24 - 9.74	364.0366	367.6340	-1.0	
3,4-Dinitrotoluene	10.49	10.22 - 10.72	865.8817	896.1320	-3.5	
PETN	17.69	17.39 - 17.89	404.2527	402.5080	0.4	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/O92709.b/O9270720.D		
Injection Date	: 27-SEP-2007 19:06		
Sample Info	: STD04 1000PPB METHOD 8332		
Misc. Info	: Method 8332		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-16-04 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: 071006NG.m	Sublist	: all
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: C18	Column Size	: 0.15m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
Nitroglycerin	9.54	9.24 - 9.74	364.0366	364.1570	-0.0	
3,4-Dinitrotoluene	10.56	10.22 - 10.72	865.8817	884.6200	-2.2	
PETN	17.77	17.39 - 17.89	404.2527	382.1480	5.5	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B092607HORWLG

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R021967

Matrix: (SOIL/WATER) Water

Lab Sample ID: B092607HORWLG

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: O9270704.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/27/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
55-63-0	Nitroglycerin	2.5	U
78-11-5	PETN	1.2	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S092607HORWLG2

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R021967

Matrix: (SOIL/WATER) Water

Lab Sample ID: S092607HORWLG2

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: 09270705.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/27/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
55-63-0	Nitroglycerin	11.3	
78-11-5	PETN	5.29	

Comments:

Forms Summary

CAB38

Ordnance by Method 8303

2

WATER ORDNANCE SURROGATE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

SDG No.: CAB38 Run Sequence: R022359

(LAB SAMPLE ID) CLIENT SAMPLE NUMBER	S1 (D2M) #	S2 () #	S3 () #	S4 () #	TOT OUT
(CAB38-001RX) 16LCMW430WRX	81				0
(S100507HSVWLS) S100507HSVWLS	70				0
(B100507HSVWLS) B100507HSVWLS	92				0
(CAB38-001) 16LCMW430W	106				0
(S092507HSVWLO) S092507HSVWLO	153 *				1
(B092507HSVWLO) B092507HSVWLO	112				0

QC LIMITS

S1 (D2M) = 4,6-Dinitro-2-methylpheno 70-115

S2 () =

S3 () =

S4 () =

Column to be used to flag recovery values

* Values outside of contract required QC limits

3B
WATER ORDNANCE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R022059 SDG No.: CAB38

BS Lab Sample ID: S092507HSVWLO

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec	#	Rec Limit
Picric Acid	4.00	0	0	*	61-128
Picramic Acid	4.00	4.8867	122	*	47-110

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

Spike Recovery: 2 out of 2 outside limits

COMMENTS:

3B
WATER ORDNANCE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R022359 SDG No.: CAB38

BS Lab Sample ID: S100507HSVWLS

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
Picric Acid	4.00	2.8945	72	61-128
Picramic Acid	4.00	2.2004	55	47-110

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

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

ORDNANCE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.
B092507HSVWLO

Lab Name: Laucks Testing Labs Contract: N/A

Lab Sample ID: B092507HSVWLO SDG No.: CAB38

Matrix: (SOIL/WATER) Water Date Prepared: 09/25/2007

Lab File ID (1): FA0107A.b-FA010716.D Lab File ID (2): OA0607.b-OA060705.D

Date Analyzed (1): 10/01/2007 Date Analyzed (2):

Time Analyzed (1): 14:23 Time Analyzed (2):

Instrument ID (1): HPLC3 (Felix) Instrument ID (2): HPLC5 (Oscar)

Column(1): Allure C18 ID: 4.60 (mm) Column(2): Synergi - EtPH ID: 4.60 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC SAMPLES:

CLIENT SAMPLE NO.	LAB SAMPLE ID	COL	LAB FILE ID	DATE/TIME ANALYZED	RUN SEQUENCE
16LCMW430W	CAB38-001	1	FA010720.D	10/01/2007 15:11	R022059
		2	OA060711.D	10/06/2007 13:49	R022059
S092507HSVWLO	S092507HSVWLO	1	FA010717.D	10/01/2007 14:35	R022059
		2	OA060706.D	10/06/2007 11:59	R022059

COMMENTS:

FORM LTL-RSR-49.0

ORDNANCE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.
B100507HSVWLS

Lab Name: Laucks Testing Labs Contract: N/A

Lab Sample ID: B100507HSVWLS SDG No.: CAB38

Matrix: (SOIL/WATER) Water Date Prepared: 10/05/2007

Lab File ID (1): OA1007.b-OA100704.D Lab File ID (2): _____

Date Analyzed (1): 10/10/2007 Date Analyzed (2): _____

Time Analyzed (1): 10:26 Time Analyzed (2): _____

Instrument ID (1): HPLC5 (Oscar) Instrument ID (2): _____

Column(1): Varian C18 ID: 4.60 (mm) Column(2): _____ ID: _____ (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC SAMPLES:

CLIENT SAMPLE NO.	LAB SAMPLE ID	COL	LAB FILE ID	DATE/TIME ANALYZED	RUN SEQUENCE
16LCMW430WRX	CAB38-001RX	1	OA100708.D	10/10/2007 11:54	R022359
S100507HSVWLS	S100507HSVWLS	1	OA100705.D	10/10/2007 10:48	R022359

COMMENTS: _____

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW430W

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R022059

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB38-001

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: OA060711.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/20/2007

Extraction: (Type) SEPF

Date Extracted: 09/25/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/01/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-89-1	Picric Acid	1.0	U
96-91-3	Picramic Acid	1.0	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW430WRX

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R022359

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB38-001RX

Sample wt/vol: 1040.0 (g/mL) mL

Lab File ID: OA100708.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/20/2007

Extraction: (Type) SEPF

Date Extracted: 10/05/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/10/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 8.5-9

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-89-1	Picric Acid	1.1	U
96-91-3	Picramic Acid	1.1	U

Comments:

SUM - 150

Laucks Testing Labs
Initial Calibration Linearity Summary

Start Cal Date: 21-FEB-2007 14:01
End Cal Date : 21-FEB-2007 15:29
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\O22107.b\O22107PIC-PICc18.m
Sublist : all.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210703.D
Level 2: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210704.D
Level 3: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210705.D
Level 4: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210706.D
Level 5: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210707.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave CF	%RSD
1 Picric Acid	528.9580	531.7890	536.5584	543.2215	538.2520	535.7558	1.0
2 Picramic Acid	445.5700	446.5070	441.5712	452.0638	442.9476	445.7320	0.9
3 4,6-Dinitro-o-Cresol	788.6420	795.8200	790.6376	811.7342	795.7866	796.5241	1.1
Average RSD :							1.0

Amount = Response divided by CF

CF - Calibration Factor (response divided by concentration).
RSD - Relative Standard Deviation.

SUM - 151

Laucks Testing Labs
Initial Calibration Retention Time Summary

Start Cal Date: 21-FEB-2007 14:01
End Cal Date : 21-FEB-2007 15:29
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\O22107.b\O22107PIC-PICc18.m
Sublist : all.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210703.D
Level 2: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210704.D
Level 3: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210705.D
Level 4: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210706.D
Level 5: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210707.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave RT
1 Picric Acid	2.35	2.34	2.32	2.30	2.31	2.324
2 Picramic Acid	6.27	6.27	6.27	6.29	6.29	6.279
3 4,6-Dinitro-o-Cresol	13.61	13.60	13.65	13.68	13.69	13.646

Retention times are expressed as minutes.

SUM - 152

Laucks Testing Labs
Initial Calibration Amounts Summary

Start Cal Date: 21-FEB-2007 14:01
End Cal Date : 21-FEB-2007 15:29
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\O22107.b\O22107PIC-PICc18.m
Sublist : all.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210703.D
Level 2: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210704.D
Level 3: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210705.D
Level 4: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210706.D
Level 5: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210707.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
1 Picric Acid	500.00	1000.00	2500.00	4000.00	5000.00
2 Picramic Acid	500.00	1000.00	2500.00	4000.00	5000.00
3 4,6-Dinitro-o-Cresol	500.00	1000.00	2500.00	4000.00	5000.00

Standard concentrations are expressed as ng/mL.

SUM - 153

Laucks Testing Labs
Initial Calibration Response Summary

Start Cal Date: 21-FEB-2007 14:01
End Cal Date : 21-FEB-2007 15:29
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\O22107.b\O22107PIC-PICc18.m
Sublist : all.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210703.D
Level 2: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210704.D
Level 3: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210705.D
Level 4: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210706.D
Level 5: //ceres/labdata/hplc/oscar/Oscar.i/O22107.b/O2210707.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
1 Picric Acid	264479.00	531789.00	1341396.0	2172886.0	2691260.0
2 Picramic Acid	222785.00	446507.00	1103928.0	1808255.0	2214738.0
3 4,6-Dinitro-o-Cresol	394321.00	795820.00	1976594.0	3246937.0	3978933.0

Response is in Area units.

SUM - 154

Laucks Testing Labs
Initial Calibration Linearity Summary

Start Cal Date: 01-OCT-2007 12:23
End Cal Date : 01-OCT-2007 13:11
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\felix\Felix.i\FA0107.b\FA0107PICCN.m
Sublist : all.sub
Column : CN
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010706.D
Level 2: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010707.D
Level 3: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010708.D
Level 4: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010709.D
Level 5: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010710.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave CF	%RSD
1 Picramic Acid	297.8460	297.9180	280.0012	292.0760	280.9708	289.7626	3.0
2 Picric Acid	93.19600	93.87100	97.22240	102.0555	101.7414	97.61726	4.3
3 4,6-Dinitro-o-Cresol	293.4760	304.3070	288.0140	301.4982	292.0792	295.8751	2.3
Average RSD :							3.2

Amount = Response divided by CF

CF - Calibration Factor (response divided by concentration).
RSD - Relative Standard Deviation.

SUM - 155

Laucks Testing Labs
Initial Calibration Retention Time Summary

Start Cal Date: 01-OCT-2007 12:23
End Cal Date : 01-OCT-2007 13:11
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\felix\Felix.i\FA0107.b\FA0107PICCN.m
Sublist : all.sub
Column : CN
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010706.D
Level 2: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010707.D
Level 3: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010708.D
Level 4: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010709.D
Level 5: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010710.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave RT
1 Picramic Acid	3.01	3.00	2.99	2.99	2.99	2.999
2 Picric Acid	2.25	2.24	2.22	2.22	2.22	2.230
3 4,6-Dinitro-o-Cresol	5.29	5.19	5.06	4.99	4.96	5.097

Retention times are expressed as minutes.

SUM - 156

Laucks Testing Labs
Initial Calibration Amounts Summary

Start Cal Date: 01-OCT-2007 12:23
End Cal Date : 01-OCT-2007 13:11
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\felix\Felix.i\FA0107.b\FA0107PICCN.m
Sublist : all.sub
Column : CN
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010706.D
Level 2: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010707.D
Level 3: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010708.D
Level 4: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010709.D
Level 5: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010710.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
1 Picramic Acid	500.00	1000.00	2500.00	4000.00	5000.00
2 Picric Acid	500.00	1000.00	2500.00	4000.00	5000.00
3 4,6-Dinitro-o-Cresol	500.00	1000.00	2500.00	4000.00	5000.00

Standard concentrations are expressed as ng/mL.

SUM - 157

Laucks Testing Labs
Initial Calibration Response Summary

Start Cal Date: 01-OCT-2007 12:23
End Cal Date : 01-OCT-2007 13:11
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\felix\Felix.i\FA0107.b\FA0107PICCN.m
Sublist : all.sub
Column : CN
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010706.D
Level 2: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010707.D
Level 3: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010708.D
Level 4: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010709.D
Level 5: //ceres/labdata/hplc/felix/Felix.i/FA0107.b/FA010710.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
1 Picramic Acid	148923.00	297918.00	700003.00	1168304.0	1404854.0
2 Picric Acid	46598.000	93871.000	243056.00	408222.00	508707.00
3 4,6-Dinitro-o-Cresol	146738.00	304307.00	720035.00	1205993.0	1460396.0

Response is in Area units.

Laucks Testing Labs
Initial Calibration Verification Summary

Data File	: //ceres/labdata/hplc/felix/Felix.i/FA0107A.b/FA010715.D		
Injection Date	: 01-OCT-2007 14:11		
Sample Info	: STD03 2500PPB LTL 8303		
Misc. Info	: ICV		
Laboratory ID	: STD03 2500PPB	Client ID	: HPLC1-17-8 4X
Instrument ID	: Felix.i	Operator	: MY
Method	: FA0107PICCN.m	Sublist	: all
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: CN	Column Size	: 0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	ICV CF	%D	Flag
Picric Acid	2.21 #	1.31 - 3.11	97.61726	100.0832	-2.5	
Picramic Acid	3.00 #	2.75 - 3.25	289.7626	287.9552	0.6	
4,6-Dinitro-o-Cresol	5.13 #	4.17 - 6.09	295.8751	297.5648	-0.6	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - ICV CF) divided by Ave CF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/felix/Felix.i/FA0107A.b/FA010718.D		
Injection Date	: 01-OCT-2007 14:47		
Sample Info	: STD03 2500PPB		
Misc. Info	: SOP#:LTL-8303		
Laboratory ID	: STD03 2500PPB	Client ID	: HPLC1-17-8
Instrument ID	: Felix.i	Operator	: MY
Method	: FA0107PICCN.m	Sublist	: all
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: CN	Column Size	: 0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
Picric Acid	2.23	1.33 - 3.13	97.61726	107.4256	-10.0	
Picramic Acid	3.00	2.75 - 3.25	289.7626	281.5476	2.8	
4,6-Dinitro-o-Cresol	5.15	4.19 - 6.11	295.8751	293.1496	0.9	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/felix/Felix.i/FA0107A.b/FA010728.D		
Injection Date	: 01-OCT-2007 16:48		
Sample Info	: STD03 2500PPB LTL 8303		
Misc. Info	: SOP#:LTL-8303		
Laboratory ID	: STD03 2500PPB	Client ID	: HPLC1-17-8
Instrument ID	: Felix.i	Operator	: MY
Method	: FA0107PICCN.m	Sublist	: all
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type:	CCALIB_3
Column	: CN	Column Size:	0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
Picric Acid	2.27	1.37 - 3.17	97.61726	111.1580	-13.9	
Picramic Acid	3.00	2.75 - 3.25	289.7626	281.3964	2.9	
4,6-Dinitro-o-Cresol	5.07	4.11 - 6.03	295.8751	290.9232	1.7	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Initial Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/OA0607.b/OA060704.D		
Injection Date	: 06-OCT-2007 11:13		
Sample Info	: STD04 1000PPB METHOD 8303		
Misc. Info	: ICV		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-08 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: O22107PIC-PICc18.m	Sublist	: all
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: C18	Column Size	: 0.15m L- 4.60mm ID

Compound	RT	RT Window	Average CF	ICV CF	%D	Flag
Picric Acid	1.84 #	1.59 - 2.09	535.7558	528.7196	1.3	
Picramic Acid	5.81 #	5.56 - 6.06	445.7320	437.5512	1.8	
4,6-Dinitro-o-Cresol	12.10 #	11.64 - 12.56	796.5241	761.8536	4.4	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - ICV CF) divided by Ave CF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/OA0607.b/OA060712.D		
Injection Date	: 06-OCT-2007 14:11		
Sample Info	: STD04 1000PPB METHOD 8303		
Misc. Info	: PICRIC/PICRAMIC		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-08 20X
Instrument ID	: Oscar.i	Operator	: my
Method	: O22107PIC-PICc18.m	Sublist	: all
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: C18	Column Size	: 0.15m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
Picric Acid	1.85	1.59 - 2.09	535.7558	520.4868	2.8	
Picramic Acid	5.81	5.56 - 6.06	445.7320	435.6048	2.3	
4,6-Dinitro-o-Cresol	12.13	11.64 - 12.56	796.5241	771.1284	3.2	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Initial Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/OA1007.b/OA100703.D		
Injection Date	: 10-OCT-2007 10:03		
Sample Info	: STD03 1000PPB LTL8303		
Misc. Info	: ICV		
Laboratory ID	: STD03 1000PPB	Client ID	: HPLC1-17-08 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: O22107PIC-PICc18.m	Sublist	: all
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: C18	Column Size	: 0.15m L- 4.60mm ID

Compound	RT	RT Window	Average CF	ICV CF	%D	Flag
Picric Acid	1.85 #	1.60 - 2.10	535.7558	514.3316	4.0	
Picramic Acid	5.83 #	5.58 - 6.08	445.7320	459.7732	-3.2	
4,6-Dinitro-o-Cresol	12.15 #	11.69 - 12.61	796.5241	778.1068	2.3	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - ICV CF) divided by Ave CF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/OA1007.b/OA100714.D		
Injection Date	: 10-OCT-2007 14:06		
Sample Info	: STD03 1000PPB LTL8303		
Misc. Info	: PICRIC/PICRAMIC		
Laboratory ID	: STD03 1000PPB	Client ID	: HPLC1-17-08 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: O22107PIC-PICc18.m	Sublist	: all
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: C18	Column Size	: 0.15m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
Picric Acid	1.85	1.60 - 2.10	535.7558	524.1788	2.2	
Picramic Acid	5.82	5.58 - 6.08	445.7320	456.3420	-2.4	
4,6-Dinitro-o-Cresol	12.13	11.69 - 12.61	796.5241	788.0688	1.1	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B092507HSVWLO

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R022059

Matrix: (SOIL/WATER) Water

Lab Sample ID: B092507HSVWLO

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: FA010716.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SEPF

Date Extracted: 09/25/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/01/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-89-1	Picric Acid	1.1	U
96-91-3	Picramic Acid	1.1	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B100507HSVWLS

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R022359

Matrix: (SOIL/WATER) Water

Lab Sample ID: B100507HSVWLS

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: OA100704.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SEPF

Date Extracted: 10/05/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/10/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 8.5-9

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-89-1	Picric Acid	1.1	U
96-91-3	Picramic Acid	1.1	U

Comments:

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S092507HSVWLO

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R022059

Matrix: (SOIL/WATER) Water

Lab Sample ID: S092507HSVWLO

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: OA060706.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SEPF

Date Extracted: 09/25/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/01/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-89-1	Picric Acid	1.1	U
96-91-3	Picramic Acid	4.9	P

Comments:

CONFIRMATION SUMMRY WORKSHEET FOR SINGLE COMPONENT ANALYTES

Client Sample ID

S092507HSVWLO

Lab Name: Laucks Testing Labs, Inc.

Lab Sample ID: S092507HSVWLO

Instrument ID: HPLC3 (Felix)

Run Sequence ID: R022059

Column (1): Allure C18

Column (2): Synergi - EtPH

File (1): FA0107A.b-FA010717.D

File (2): OA0607.b-OA060706.D

Date Analyzed (1): 10/1/2007 2:35:00 PM

Date Analyzed (2): 10/6/2007 11:59:00 AM

ANALYTE	COL	CONCENTRATION Final Units: ug/L	RPD	RT	RT Window
Picramic Acid	1	4.88666 X	96.1 %	3.07	2.75 - 3.25
	2	1.71529		5.61	5.56 - 6.06

X = Concentration Reported

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S100507HSVWLS

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R022359

Matrix: (SOIL/WATER) Water

Lab Sample ID: S100507HSVWLS

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: OA100705.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SEPF

Date Extracted: 10/05/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/10/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 8.5-9

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
88-89-1	Picric Acid	2.9	
96-91-3	Picramic Acid	2.2	

Comments:

FORMS SUMMARY

SDG # CAB38

NWTPH-Gx

2

WATER GASOLINE SURROGATE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

SDG No.: CAB38 Run Sequence: R021922

(LAB SAMPLE ID) CLIENT SAMPLE NUMBER	S1 (BFB) #	S2 (TFT) #	S3 () #	S4 () #	TOT OUT
(CAB38-001) 16LCMW430W	82	87			0
(S092507GVOWI1) S092507GVOWI1	83	87			0
(B092507GVOWI1) B092507GVOWI1	82	88			0

		QC LIMITS
S1 (BFB) =	4-Bromofluorobenzene	50-150
S2 (TFT) =	Trifluorotoluene	50-150
S3 () =		
S4 () =		

Column to be used to flag recovery values
* Values outside of contract required QC limits

3B
WATER GASOLINE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R021922 SDG No.: CAB38

BS Lab Sample ID: S092507GVOWI1

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
Gasoline Range Organics	100	80.1725	80	71-122

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

Spike Recovery: 0 out of 1 outside limits

COMMENTS:

GASOLINE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.
B092507GVOWI1

Lab Name: Laucks Testing Labs Contract: N/A

Lab Sample ID: B092507GVOWI1 SDG No.: CAB38

Matrix: (SOIL/WATER) Water Date Prepared: 09/25/2007

Lab File ID (1): I9257-2N.b-I925704.d Lab File ID (2): _____

Date Analyzed (1): 09/25/2007 Date Analyzed (2): _____

Time Analyzed (1): 12:08 Time Analyzed (2): _____

Instrument ID (1): HP 5890I Instrument ID (2): _____

Column(1): DB-VRX 30m/0.45u ID: 0.45 (mm) Column(2): _____ ID: _____ (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC SAMPLES:

CLIENT SAMPLE NO.	LAB SAMPLE ID	COL	LAB FILE ID	DATE/TIME ANALYZED	RUN SEQUENCE
16LCMW430W	CAB38-001	1	I925715.d	09/25/2007 19:11	R021922
S092507GVOWI1	S092507GVOWI1	1	I925705.d	09/25/2007 12:47	R021922

COMMENTS: _____

1

GASOLINE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW430W

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R021922

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB38-001

Sample wt/vol: 10 (g/mL) mL

Lab File ID: I925715.d

pH: <2 Decanted: (Y/N) N

Date Collected: 09/20/2007

Percent Moisture:

Date Prepared: 09/25/2007

Extraction: (Type) PURGETRAP

Date Analyzed: 09/25/2007

Soil Extract Volume: (ul)

Dilution Factor: 1.00

Soil Aliquot Volume: (ul)

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
TPH-Gasoline	Gasoline Range Organics	25	U

Comments:

SUM - 175

Laucks Testing Labs
Initial Calibration Linearity Summary

Start Cal Date: 31-JUL-2007 10:05
End Cal Date : 31-JUL-2007 13:17
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : Falcon
Method File : \\Diana\Target\5890i.i\I7317N2.b\GN73101.m
Sublist : all-j.sub
Column : DB-VRX
Column Size : 30m L - 0.53mm ID

Calibration Files:
Level 1: //Diana/Target/5890i.i/I7317N2.b/I731703.d
Level 2: //Diana/Target/5890i.i/I7317N2.b/I731704.d
Level 3: //Diana/Target/5890i.i/I7317N2.b/I731705.d
Level 4: //Diana/Target/5890i.i/I7317N2.b/I731706.d
Level 5: //Diana/Target/5890i.i/I7317N2.b/I731707.d
Level 6: //Diana/Target/5890i.i/I7317N2.b/I731708.d

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Ave CF	%RSD
3 Gasoline	+++++++	419.5240	377.8620	358.0300	350.1500	347.2772	370.5686	8.1
1 Trifluorotoluene	+++++++	533.4600	509.0500	507.0600	496.0733	498.7425	508.8772	2.9
2 Bromofluorobenzene	+++++++	406.9000	377.4300	375.5300	377.7733	388.8450	385.2957	3.4
Average RSD :								4.8

Amount = Response divided by CF

+++ - Standard Level not used in linearity determination.

CF - Calibration Factor (response divided by concentration).

RSD - Relative Standard Deviation.

Laucks Testing Labs
Initial Calibration Amounts Summary

Start Cal Date: 31-JUL-2007 10:05
End Cal Date : 31-JUL-2007 13:17
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : Falcon
Method File : \\Diana\Target\5890i.i\I7317N2.b\GN73101.m
Sublist : all-j.sub
Column : DB-VRX
Column Size : 30m L - 0.53mm ID

Calibration Files:
Level 1: //Diana/Target/5890i.i/I7317N2.b/I731703.d
Level 2: //Diana/Target/5890i.i/I7317N2.b/I731704.d
Level 3: //Diana/Target/5890i.i/I7317N2.b/I731705.d
Level 4: //Diana/Target/5890i.i/I7317N2.b/I731706.d
Level 5: //Diana/Target/5890i.i/I7317N2.b/I731707.d
Level 6: //Diana/Target/5890i.i/I7317N2.b/I731708.d

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
3 Gasoline	+++++++	250.00	500.00	1000.00	2500.00	5000.00
1 Trifluorotoluene	+++++++	50.00	100.00	200.00	300.00	400.00
2 Bromofluorobenzene	+++++++	50.00	100.00	200.00	300.00	400.00

+++ - Standard Level not used in linearity determination.
Standard concentrations are expressed as ng.

Laboratory Name
Continuing Calibration Verification Summary

Data File : //diana/target/5890i.i/I7317N2.b/I731712.d
Injection Date : 31-JUL-2007 15:51
Sample Info : ICV-1 500ng 2nd Source
Misc. Info : NWTPHGx
Laboratory ID : ICV-1 500ng
Client ID : 5ul VOA5-42-15
Instrument ID : 5890I.i
Method : GN73101.m
Sublist : all-j
Quantitation : ESTD
Integrator : Falcon
Dilution Factor : 1.00
Sample Type: CCALIB_3
Column : DB-VRX
Column Size: 30.00m L- 0.53mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
Trifluorotoluene	6.58	6.53 - 6.63	508.8772	499.6750	-1.8	
Bromofluorobenzene	12.07	12.02 - 12.12	385.2957	361.8850	-6.1	
Gasoline		8.07 - 18.54	370.5686	387.8120	4.7	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laboratory Name
Continuing Calibration Verification Summary

Data File : //diana/target/5890i.i/I7317N2.b/I731713.d
Injection Date : 31-JUL-2007 16:30
Sample Info : ICV-2 2500ng 2nd Source
Misc. Info : NWTPHGx
Laboratory ID : ICV-2 2500ng
Client ID : 25ul VOA5-42-15
Instrument ID : 5890I.i
Method : GN73101.m
Sublist : all-j
Quantitation : ESTD
Integrator : Falcon
Dilution Factor : 1.00
Sample Type: CCALIB_3
Column : DB-VRX
Column Size: 30.00m L- 0.53mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
Trifluorotoluene	6.58	6.53 - 6.63	508.8772	504.7800	-0.8	
Bromofluorobenzene	12.06	12.02 - 12.12	385.2957	393.4100	2.1	
Gasoline		8.07 - 18.54	370.5686	346.6040	-6.5	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laboratory Name
Initial Calibration Verification Summary

Data File : //diana/target/5890i.i/I9257-2N.b/I925702.d
Injection Date : 25-SEP-2007 10:51
Sample Info : CCV_A_GAS
Misc. Info : ICV_NWTPHGx
Laboratory ID : CCV_A_GAS
Client ID : 10ul VOA5-43-11
Instrument ID : 5890I.i
Method : GN73106.m
Sublist : all-j
Quantitation : ESTD
Integrator : Falcon
Dilution Factor : 1.00
Sample Type: CCALIB_3
Column : DB-VRX
Column Size: 30.00m L- 0.53mm ID

Compound	RT	RT Window	Average CF	ICV CF	%D	Flag
Trifluorotoluene	6.65 #	6.60 - 6.70	508.8772	427.7350	-15.9	
Bromofluorobenzene	12.10 #	12.05 - 12.15	385.2957	311.3650	-19.2	
Gasoline		8.12 - 18.57	370.5686	342.6390	-7.5	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - ICV CF) divided by Ave CF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laboratory Name
Continuing Calibration Verification Summary

Data File	: //diana/target/5890i.i/I9257-2N.b/I925713.d		
Injection Date	: 25-SEP-2007 17:54		
Sample Info	: CCV_B_GAS		
Misc. Info	: NWTPHGx		
Laboratory ID	: CCV_B_GAS	Client ID	: 10ul VOA5-43-11
Instrument ID	: 5890I.i		
Method	: GN73106.m	Sublist	: all-j
Quantitation	: ESTD	Integrator	: Falcon
Dilution Factor	: 1.00	Sample Type:	CCALIB_3
Column	: DB-VRX	Column Size:	30.00m L- 0.53mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
Trifluorotoluene	6.66	6.60 - 6.70	508.8772	429.8150	-15.5	
Bromofluorobenzene	12.11	12.05 - 12.15	385.2957	317.9100	-17.5	
Gasoline		8.12 - 18.57	370.5686	338.9730	-8.5	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laboratory Name
Continuing Calibration Verification Summary

Data File : //diana/target/5890i.i/I9257-2N.b/I925724.d
Injection Date : 26-SEP-2007 00:57
Sample Info : CCV_C_GAS
Misc. Info : NWTPHGx
Laboratory ID : CCV_C_GAS
Client ID : 10ul VOA5-43-11
Instrument ID : 5890I.i
Method : GN73106.m
Sublist : all-j
Quantitation : ESTD
Integrator : Falcon
Dilution Factor : 1.00
Sample Type: CCALIB_3
Column : DB-VRX
Column Size: 30.00m L- 0.53mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
Trifluorotoluene	6.66	6.60 - 6.70	508.8772	423.7650	-16.7	
Bromofluorobenzene	12.11	12.05 - 12.15	385.2957	312.6150	-18.9	
Gasoline		8.12 - 18.57	370.5686	342.6330	-7.5	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

1

GASOLINE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B092507GVOWI1

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R021922

Matrix: (SOIL/WATER) Water

Lab Sample ID: B092507GVOWI1

Sample wt/vol: 10 (g/mL) mL

Lab File ID: I925704.d

pH: _____ Decanted: (Y/N) N

Date Collected: _____

Percent Moisture: _____

Date Prepared: 09/25/2007

Extraction: (Type) PURGETRAP

Date Analyzed: 09/25/2007

Soil Extract Volume: _____(ul)

Dilution Factor: 1.00

Soil Aliquot Volume: _____(ul)

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
TPH-Gasoline	Gasoline Range Organics	25	U

Comments:

1

GASOLINE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S092507GVOWI1

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R021922

Matrix: (SOIL/WATER) Water

Lab Sample ID: S092507GVOWI1

Sample wt/vol: 10 (g/mL) mL

Lab File ID: I925705.d

pH: _____ Decanted: (Y/N) N

Date Collected: _____

Percent Moisture: _____

Date Prepared: 09/25/2007

Extraction: (Type) PURGETRAP

Date Analyzed: 09/25/2007

Soil Extract Volume: _____ (ul)

Dilution Factor: 1.00

Soil Aliquot Volume: _____ (ul)

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
TPH-Gasoline	Gasoline Range Organics	80	

Comments:

NWTPHD
FORMS PACKAGE

SDG : CAB38

2

WATER DIESEL SURROGATE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

SDG No.: CAB38 Run Sequence: R022927

(LAB SAMPLE ID) CLIENT SAMPLE NUMBER	S1 (2FB) #	S2 (TER) #	S3 () #	S4 () #	TOT OUT
(CAB38-001) 16LCMW430W	81	92			0
(S092507GSVWLP) S092507GSVWLP	85	94			0
(B092507GSVWLP) B092507GSVWLP	80	97			0

		QC LIMITS
S1 (2FB) =	2-Fluorobiphenyl	50-150
S2 (TER) =	o-Terphenyl	50-150
S3 () =		
S4 () =		

Column to be used to flag recovery values
* Values outside of contract required QC limits

3B
WATER DIESEL BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R022927 SDG No.: CAB38

BS Lab Sample ID: S092507GSVWLP

Level: N/A Units: mg/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
Diesel Range Organics	1.25	1.2529	100	51-147

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

Spike Recovery: 0 out of 1 outside limits

COMMENTS:

DIESEL METHOD BLANK SUMMARY

CLIENT SAMPLE NO.
B092507GSVWLP

Lab Name: Laucks Testing Labs Contract: N/A

Lab Sample ID: B092507GSVWLP SDG No.: CAB38

Matrix: (SOIL/WATER) Water Date Prepared: 09/25/2007

Lab File ID (1): CA277WA.b-CA270728.d Lab File ID (2): _____

Date Analyzed (1): 10/28/2007 Date Analyzed (2): _____

Time Analyzed (1): 08:10 Time Analyzed (2): _____

Instrument ID (1): HP 5890C Instrument ID (2): _____

Column(1): RTX-5 ID: 0.25 (mm) Column(2): _____ ID: _____ (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC SAMPLES:

CLIENT SAMPLE NO.	LAB SAMPLE ID	COL	LAB FILE ID	DATE/TIME ANALYZED	RUN SEQUENCE
16LCMW430W	CAB38-001	1	CA270740.d	10/28/2007 17:51	R022927
S092507GSVWLP	S092507GSVWLP	1	CA270729.d	10/28/2007 08:57	R022927

COMMENTS: _____

1

DIESEL ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16LCMW430W

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R022927

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB38-001

Sample wt/vol: 460.0 (g/mL) mL

Lab File ID: CA270740.d

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/20/2007

Extraction: (Type) SEPF

Date Extracted: 09/25/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/28/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: <2

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/L	Q
TPH-Diesel	Diesel Range Organics	0.11	U
TPH-Oil	Oil Range Organics	0.43	U

Comments:

SUM - 189

Laucks Testing Labs
Initial Calibration Linearity Summary

Start Cal Date: 18-SEP-2007 19:52
End Cal Date : 19-SEP-2007 00:37
Quant Method : ESTD
Cal Curve Type: Linear
Integrator : Falcon
Method File : \\diana\Target\5890c.i\C9187WA.b\CDX91801.m
Sublist : alld+.sub
Column : RTX-5
Column Size : 30m L - 0.25mm ID

Calibration Files:
Level 1: //diana/Target/5890c.i/C9187WA.b/C9180705.d
Level 2: //diana/Target/5890c.i/C9187WA.b/C9180706.d
Level 3: //diana/Target/5890c.i/C9187WA.b/C9180707.d
Level 4: //diana/Target/5890c.i/C9187WA.b/C9180708.d
Level 5: //diana/Target/5890c.i/C9187WA.b/C9180709.d
Level 6: //diana/Target/5890c.i/C9187WA.b/C9180710.d
Level 7: //diana/Target/5890c.i/C9187WA.b/C9180711.d/C9180711.dat

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Slope	Y-int	R^2
1 Diesel	340919.00	561105.00	953967.00	1789817.0	4035364.0	7702355.0	15461116	7612.30000	-25.991	0.99989
3 2-Fluorobiphenyl	13819.00	36627.00	76352.00	161839.00	392209.00	776456.00	1541266.0	7712.00000	-0.260	0.99994
4 o-Terphenyl	21991.00	51937.00	103552.00	212329.00	502897.00	976381.00	1977221.0	9837.70000	-0.568	0.99989
8 n-Octacosane	15972.00	39263.00	79930.00	168837.00	416583.00	824140.00	+++++++	8264.10000	0.013	0.99992
Average RSD :		1.0								

Amount = (Response divided by Slope) plus Y-int

+++ - Standard Level not used in linearity determination.

Responses expressed are Area units.
R^2 = The correlation co-efficient.

SUM - 190

Laucks Testing Labs
Initial Calibration Amounts Summary

Start Cal Date: 18-SEP-2007 19:52
End Cal Date : 19-SEP-2007 00:37
Quant Method : ESTD
Cal Curve Type: Linear
Integrator : Falcon
Method File : \\diana\Target\5890c.i\C9187WA.b\CDX91801.m
Sublist : alld+.sub
Column : RTX-5
Column Size : 30m L - 0.25mm ID

Calibration Files:
Level 1: //diana/Target/5890c.i/C9187WA.b/C9180705.d
Level 2: //diana/Target/5890c.i/C9187WA.b/C9180706.d
Level 3: //diana/Target/5890c.i/C9187WA.b/C9180707.d
Level 4: //diana/Target/5890c.i/C9187WA.b/C9180708.d
Level 5: //diana/Target/5890c.i/C9187WA.b/C9180709.d
Level 6: //diana/Target/5890c.i/C9187WA.b/C9180710.d
Level 7: //diana/Target/5890c.i/C9187WA.b/C9180711.d/C9180711.dat

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7
1 Diesel	20.00	50.00	100.00	200.00	500.00	1000.00	2000.00
3 2-Fluorobiphenyl	2.00	5.00	10.00	20.00	50.00	100.00	200.00
4 o-Terphenyl	2.00	5.00	10.00	20.00	50.00	100.00	200.00
8 n-Octacosane	2.00	5.00	10.00	20.00	50.00	100.00	+++++++

+++ - Standard Level not used in linearity determination.
Standard concentrations are expressed as ug/ml.

SUM - 191

Laucks Testing Labs
Initial Calibration Linearity Summary

Start Cal Date: 19-SEP-2007 03:48
End Cal Date : 19-SEP-2007 08:33
Quant Method : ESTD
Cal Curve Type: Linear
Integrator : Falcon
Method File : \\diana\Target\5890c.i\C9187WA.b\CDX91801.m
Sublist : mo.sub
Column : RTX-5
Column Size : 30m L - 0.25mm ID

Calibration Files:
Level 1: //diana/Target/5890c.i/C9187WA.b/C9180715.d
Level 2: //diana/Target/5890c.i/C9187WA.b/C9180716.d
Level 3: //diana/Target/5890c.i/C9187WA.b/C9180717.d
Level 4: //diana/Target/5890c.i/C9187WA.b/C9180718.d
Level 5: //diana/Target/5890c.i/C9187WA.b/C9180719.d
Level 6: //diana/Target/5890c.i/C9187WA.b/C9180720.d
Level 7: //diana/Target/5890c.i/C9187WA.b/C9180721.d

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Slope	Y-int	R^2
2 Motor Oil	1908908.0	2774389.0	5572728.0	9786421.0	17245692	20377001	+++++++	7763.40000	-187.962	0.99716
Average RSD :			1.0							

Amount = (Response divided by Slope) plus Y-int

+++ - Standard Level not used in linearity determination.

Responses expressed are Area units.
R^2 = The correlation co-efficient.

Laucks Testing Labs
Initial Calibration Amounts Summary

Start Cal Date: 19-SEP-2007 03:48
End Cal Date : 19-SEP-2007 08:33
Quant Method : ESTD
Cal Curve Type: Linear
Integrator : Falcon
Method File : \\diana\Target\5890c.i\C9187WA.b\CDX91801.m
Sublist : mo.sub
Column : RTX-5
Column Size : 30m L - 0.25mm ID

Calibration Files:
Level 1: //diana/Target/5890c.i/C9187WA.b/C9180715.d
Level 2: //diana/Target/5890c.i/C9187WA.b/C9180716.d
Level 3: //diana/Target/5890c.i/C9187WA.b/C9180717.d
Level 4: //diana/Target/5890c.i/C9187WA.b/C9180718.d
Level 5: //diana/Target/5890c.i/C9187WA.b/C9180719.d
Level 6: //diana/Target/5890c.i/C9187WA.b/C9180720.d
Level 7: //diana/Target/5890c.i/C9187WA.b/C9180721.d

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7
2 Motor Oil	100.00	200.00	500.00	1000.00	2000.00	2500.00	+++++++

+++ - Standard Level not used in linearity determination.
Standard concentrations are expressed as ug/ml.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: \\diana\Target\5890c.i\C9187WA.b\C9180713.d		
Injection Date	: 19-SEP-2007 02:13		
Sample Info	: D400PPMICV		
Misc. Info	: NWTPHDx / 8015mod - Diesel		
Laboratory ID	: D400PPMICV	Client ID	: MA8-30-16
Instrument ID	: 5890c.i	Operator	: CMP
Method	: CDX91801.m	Sublist	: Donly
Quantitation	: ESTD	Integrator	: Falcon
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: RTX-5	Column Size	: 30.00m L- 0.25mm ID

Compound	RT	RT Window	Expected Amount	Continuing Amount	%D	Flag
Diesel		10.02 - 24.07	400.00	372.48	-6.9	

%Drift (%D) = Continuing Amount - Expected Amount divided by Expected Amount times 100

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: \\diana\Target\5890c.i\C9187WA.b\C9180723.d		
Injection Date	: 19-SEP-2007 10:08		
Sample Info	: O2500PPMICV		
Misc. Info	: NWTPHDx / 8015mod - Diesel		
Laboratory ID	: O2500PPMICV	Client ID	: MA8-32-15
Instrument ID	: 5890c.i	Operator	: CMP
Method	: CDX91801.m	Sublist	: mo
Quantitation	: ESTD	Integrator	: Falcon
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: RTX-5	Column Size	: 30.00m L- 0.25mm ID

Compound	RT	RT Window	Expected Amount	Continuing Amount	%D	Flag
Motor Oil		24.07 - 37.88	2500.0	2025.8	-19.0	

%Drift (%D) = Continuing Amount - Expected Amount divided by Expected Amount times 100

Laboratory Name
Continuing Calibration Verification Summary

Data File	: //diana/target/5890c.i/CA277WA.b/CA270725.d		
Injection Date	: 28-OCT-2007 05:47		
Sample Info	: D200PPM		
Misc. Info	: NWTPHDx / 8015mod - Diesel		
Laboratory ID	: D200PPM	Client ID	: MA8-34-01 10X
Instrument ID	: 5890C.i	Operator	: CMP
Method	: CDX91809.m	Sublist	: alld+
Quantitation	: ESTD	Integrator	: Falcon
Dilution Factor	: 1.00	Sample Type:	CCALIB_3
Column	: RTX-5	Column Size:	30.00m L- 0.25mm ID

Compound	RT	RT Window	Expected Amount	Continuing Amount	%D	Flag
2-Fluorobiphenyl	12.38	12.32 - 12.42	20.000	19.856	-0.7	
Diesel		9.69 - 23.68	200.00	199.03	-0.5	
o-Terphenyl	19.01	18.96 - 19.06	20.000	19.490	-2.5	
n-Octacosane	26.89	26.84 - 26.94	20.000	15.565	-22.2	**

NTA
11/7/2007

%Drift (%D) = Continuing Amount - Expected Amount divided by Expected Amount times 100
** = Percent Difference is outside the acceptance limits of +/-15%

Laboratory Name
Continuing Calibration Verification Summary

Data File	: //diana/target/5890c.i/CA277WA.b/CA270726.d		
Injection Date	: 28-OCT-2007 06:35		
Sample Info	: O2000PPM		
Misc. Info	: NWTPHDx / 8015mod - Diesel		
Laboratory ID	: O2000PPM	Client ID	: MA8-33-16 25X
Instrument ID	: 5890C.i	Operator	: CMP
Method	: CDX91809.m	Sublist	: mo
Quantitation	: ESTD	Integrator	: Falcon
Dilution Factor	: 1.00	Sample Type:	CCALIB_3
Column	: RTX-5	Column Size:	30.00m L- 0.25mm ID

Compound	RT	RT Window	Expected Amount	Continuing Amount	%D	Flag
Motor Oil		23.68 - 36.88	2000.0	1729.2	-13.5	

%Drift (%D) = Continuing Amount - Expected Amount divided by Expected Amount times 100

Laboratory Name
Continuing Calibration Verification Summary

Data File	: //diana/target/5890c.i/CA277WA.b/CA270732.d		
Injection Date	: 28-OCT-2007 11:28		
Sample Info	: D200PPM		
Misc. Info	: NWTPHDx / 8015mod - Diesel		
Laboratory ID	: D200PPM	Client ID	: MA8-34-01 10X
Instrument ID	: 5890C.i	Operator	: CMP
Method	: CDX91809.m	Sublist	: alld+
Quantitation	: ESTD	Integrator	: Falcon
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: RTX-5	Column Size	: 30.00m L- 0.25mm ID

Compound	RT	RT Window	Expected Amount	Continuing Amount	%D	Flag
2-Fluorobiphenyl	12.38	12.32 - 12.42	20.000	19.191	-4.0	
Diesel		9.69 - 23.68	200.00	197.31	-1.3	
o-Terphenyl	19.01	18.96 - 19.06	20.000	19.026	-4.9	
n-Octacosane	26.90	26.84 - 26.94	20.000	20.969	4.8	

%Drift (%D) = Continuing Amount - Expected Amount divided by Expected Amount times 100

Laboratory Name
Continuing Calibration Verification Summary

Data File	: //diana/target/5890c.i/CA277WA.b/CA270733.d		
Injection Date	: 28-OCT-2007 12:16		
Sample Info	: O2000PPM		
Misc. Info	: NWTPHDx / 8015mod - Diesel		
Laboratory ID	: O2000PPM	Client ID	: MA8-33-16 25X
Instrument ID	: 5890C.i	Operator	: CMP
Method	: CDX91809.m	Sublist	: mo
Quantitation	: ESTD	Integrator	: Falcon
Dilution Factor	: 1.00	Sample Type:	CCALIB_3
Column	: RTX-5	Column Size:	30.00m L- 0.25mm ID

Compound	RT	RT Window	Expected Amount	Continuing Amount	%D	Flag
Motor Oil		23.68 - 36.88	2000.0	1849.2	-7.5	

%Drift (%D) = Continuing Amount - Expected Amount divided by Expected Amount times 100

Laboratory Name
Continuing Calibration Verification Summary

Data File	: //diana/target/5890c.i/CA277WA.b/CA270741.d		
Injection Date	: 28-OCT-2007 18:38		
Sample Info	: D200PPM		
Misc. Info	: NWTPHDx / 8015mod - Diesel		
Laboratory ID	: D200PPM	Client ID	: MA8-34-01 10X
Instrument ID	: 5890C.i	Operator	: CMP
Method	: CDX91809.m	Sublist	: alld+
Quantitation	: ESTD	Integrator	: Falcon
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: RTX-5	Column Size	: 30.00m L- 0.25mm ID

Compound	RT	RT Window	Expected Amount	Continuing Amount	%D	Flag
2-Fluorobiphenyl	12.38	12.32 - 12.42	20.000	19.617	-1.9	
Diesel		9.69 - 23.68	200.00	199.77	-0.1	
o-Terphenyl	19.00	18.96 - 19.06	20.000	19.390	-3.0	
n-Octacosane	26.89	26.84 - 26.94	20.000	20.234	1.2	

%Drift (%D) = Continuing Amount - Expected Amount divided by Expected Amount times 100

Laboratory Name
Continuing Calibration Verification Summary

Data File	: //diana/target/5890c.i/CA277WA.b/CA270742.d		
Injection Date	: 28-OCT-2007 19:26		
Sample Info	: O2000PPM		
Misc. Info	: NWTPHDx / 8015mod - Diesel		
Laboratory ID	: O2000PPM	Client ID	: MA8-33-16 25X
Instrument ID	: 5890C.i	Operator	: CMP
Method	: CDX91809.m	Sublist	: mo
Quantitation	: ESTD	Integrator	: Falcon
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: RTX-5	Column Size	: 30.00m L- 0.25mm ID

Compound	RT	RT Window	Expected Amount	Continuing Amount	%D	Flag
Motor Oil		23.68 - 36.88	2000.0	1876.8	-6.2	

%Drift (%D) = Continuing Amount - Expected Amount divided by Expected Amount times 100

SUM - 200

1

DIESEL ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B092507GSVWLP

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R022927

Matrix: (SOIL/WATER) Water

Lab Sample ID: B092507GSVWLP

Sample wt/vol: 400.0 (g/mL) mL

Lab File ID: CA270728.d

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SEPF

Date Extracted: 09/25/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/28/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: <2

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/L	Q
TPH-Diesel	Diesel Range Organics	0.13	U
TPH-Oil	Oil Range Organics	0.50	U

Comments:

1

DIESEL ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S092507GSVWLP

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB38

Run Sequence: R022927

Matrix: (SOIL/WATER) Water

Lab Sample ID: S092507GSVWLP

Sample wt/vol: 400.0 (g/mL) mL

Lab File ID: CA270729.d

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SEPF

Date Extracted: 09/25/2007

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 10/28/2007

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: <2

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/L	Q
TPH-Diesel	Diesel Range Organics	1.3	
TPH-Oil	Oil Range Organics	0.50	~UZ

Comments:

FORMS SUMMARY

CAB38

Metals Data

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-1-
INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

16LCMW430W

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB38

Matrix (soil/water): Water Lab Sample ID: CAB38-001

Level (low/med): LOW Date Received: 09/21/2007

% Solids:

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-36-0	Antimony	0.0560	U		M	R022083
7440-38-2	Arsenic	0.100	U		M	R022083
7440-41-7	Beryllium	0.0430	U		M	R022083
7440-43-9	Cadmium	0.0940	U		M	R022083
7440-47-3	Chromium	0.291	J		M	R022083
7440-50-8	Copper	0.520	U		M	R022083
7439-92-1	Lead	0.0750	U		M	R022083
7439-97-6	Mercury	0.0180	U		CV	R022243
7440-02-0	Nickel	0.170	J		M	R022083
7782-49-2	Selenium	0.110	U		M	R022083
7440-22-4	Silver	0.0850	U		M	R022083
7440-28-0	Thallium	0.0440	U		M	R022083
7440-66-6	Zinc	1.80	U		M	R022083

Color Before: Colorless Clarity Before: Clear Texture:

Color After: Colorless Clarity After: Clear Artifacts: No

Comment

SW-846
-1-
INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

16LCMW430WF

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB38

Matrix (soil/water): Water Lab Sample ID: CAB38-002

Level (low/med): LOW Date Received: 09/21/2007

% Solids:

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-36-0	Antimony	0.0560	U		M	R022083
7440-38-2	Arsenic	0.100	U		M	R022083
7440-41-7	Beryllium	0.0430	U		M	R022083
7440-43-9	Cadmium	0.0940	U		M	R022083
7440-47-3	Chromium	0.278	J		M	R022083
7440-50-8	Copper	0.520	U		M	R022083
7439-92-1	Lead	0.0750	U		M	R022083
7439-97-6	Mercury	0.0180	U		CV	R022243
7440-02-0	Nickel	0.608	J		M	R022083
7782-49-2	Selenium	0.266	J		M	R022083
7440-22-4	Silver	0.0850	U		M	R022083
7440-28-0	Thallium	0.0440	U		M	R022083
7440-66-6	Zinc	7.51	J		M	R022083

Color Before: Colorless Clarity Before: Clear Texture:

Color After: Colorless Clarity After: Clear Artifacts: No

Comment

SW-846

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB38 Run Sequence ID: R022083

Initial Calibration Source: ME-15-161-12

Continuing Calbration Source: ME-15-165-20, ME-15-166-2

Concentration Units: ug/L

Analyte	Initial Calibration ICV				Continuing Calibrations CCV1				CCV2		M
	Limits	True	Found	%R(1)	Limits	True	Found	%R(1)	Found	%R(1)	
Antimony	90-110	60	59.560	99.3	90 - 110	50.000	50.000	100.0	48.750	97.5	M
Arsenic	90-110	60	59.590	99.3	90 - 110	50.000	53.070	106.1	52.880	105.8	M
Beryllium	90-110	60	60.020	100.0	90 - 110	50.000	51.620	103.2	50.730	101.5	M
Cadmium	90-110	60	61.540	102.6	90 - 110	50.000	51.010	102.0	49.900	99.8	M
Chromium	90-110	60	62.220	103.7	90 - 110	50.000	49.490	99.0	49.780	99.6	M
Copper	90-110	60	62.110	103.5	90 - 110	50.000	51.170	102.3	51.440	102.9	M
Lead	90-110	60	61.120	101.9	90 - 110	50.000	48.370	96.7	48.700	97.4	M
Nickel	90-110	60	62.390	104.0	90 - 110	50.000	51.150	102.3	51.190	102.4	M
Selenium	90-110	60	63.030	105.0	90 - 110	50.000	51.820	103.6	54.370	108.7	M
Silver	90-110	60	59.620	99.4	90 - 110	50.000	50.360	100.7	49.420	98.8	M
Thallium	90-110	60	61.490	102.5	90 - 110	50.000	48.110	96.2	48.420	96.8	M
Zinc	90-110	60	58.940	98.2	90 - 110	50.000	53.190	106.4	53.790	107.6	M

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB38 Run Sequence ID: R022083

Initial Calibration Source:

Continuing Calibration Source: ME-15-165-20, ME-15-166-2

Concentration Units: ug/L

Analyte	Initial Calibration				Continuing Calibrations						M
					CCV3				CCV4		
	Limits	True	Found	%R(1)	Limits	True	Found	%R(1)	Found	%R(1)	
Antimony					90 - 110	50.000	49.430	98.9	49.160	98.3	M
Arsenic					90 - 110	50.000	52.850	105.7	53.170	106.3	M
Beryllium					90 - 110	50.000	49.060	98.1	50.160	100.3	M
Cadmium					90 - 110	50.000	50.330	100.7	49.300	98.6	M
Chromium					90 - 110	50.000	50.560	101.1	50.120	100.2	M
Copper					90 - 110	50.000	51.940	103.9	51.470	102.9	M
Lead					90 - 110	50.000	49.850	99.7	48.740	97.5	M
Nickel					90 - 110	50.000	52.170	104.3	51.490	103.0	M
Selenium					90 - 110	50.000	51.700	103.4	52.400	104.8	M
Silver					90 - 110	50.000	50.600	101.2	49.070	98.1	M
Thallium					90 - 110	50.000	49.260	98.5	48.000	96.0	M
Zinc					90 - 110	50.000	53.730	107.5	54.260	108.5	M

SW-846

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB38 Run Sequence ID: R022083

Initial Calibration Source:

Continuing Calbration Source: ME-15-165-20, ME-15-166-2

Concentration Units: ug/L

Analyte	Initial Calibration				Continuing Calibrations						M
					CCV5				CCV6		
	Limits	True	Found	%R(1)	Limits	True	Found	%R(1)	Found	%R(1)	
Antimony					90 - 110	50.000	49.150	98.3	48.690	97.4	M
Arsenic					90 - 110	50.000	52.830	105.7	51.280	102.6	M
Beryllium					90 - 110	50.000	49.880	99.8	50.410	100.8	M
Cadmium					90 - 110	50.000	49.890	99.8	49.610	99.2	M
Chromium					90 - 110	50.000	49.900	99.8	48.450	96.9	M
Copper					90 - 110	50.000	51.440	102.9	49.540	99.1	M
Lead					90 - 110	50.000	47.980	96.0	47.780	95.6	M
Nickel					90 - 110	50.000	51.600	103.2	49.760	99.5	M
Selenium					90 - 110	50.000	52.670	105.3	53.460	106.9	M
Silver					90 - 110	50.000	49.580	99.2	49.440	98.9	M
Thallium					90 - 110	50.000	47.080	94.2	47.440	94.9	M
Zinc					90 - 110	50.000	53.630	107.3	51.970	103.9	M

SW-846

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB38 Run Sequence ID: R022243

Initial Calibration Source: ME-15-162-6

Continuing Calbration Source: ME-15-168-1

Concentration Units: ug/L

Analyte	Initial Calibration ICV				Continuing Calibrations CCV1				CCV2		M
	Limits	True	Found	%R(1)	Limits	True	Found	%R(1)	Found	%R(1)	
Mercury	90-110	4.04	4.074	100.8	80 - 120	5.000	5.100	102.0	5.084	101.7	CV

SW-846

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB38 Run Sequence ID: R022243

Initial Calibration Source:

Continuing Calbration Source: ME-15-168-1

Concentration Units: ug/L

Analyte	Initial Calibration				Continuing Calibrations CCV3						M
	Limits	True	Found	%R(1)	Limits	True	Found	%R(1)	Found	%R(1)	
Mercury					80 - 120	5.000	5.053	101.1			CV

SW-846

2B-IN

CRDL STANDARD FOR METALS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB38 Run Sequence ID: R022083

ICP CRDL Standard Source: ME-15-166-1

Concentration Units: ug/L

Analyte	CRDL Standard for ICP					
	Initial CRI			Final		
	True	Found	%R	Found	%R	Limits
Antimony	1	1.05	105.1			
Arsenic	1	1	100.2			
Beryllium	1	1.08	107.8			
Cadmium	1	1.08	108.2			
Chromium	1	1.05	104.9			
Copper	2	2.2	110.1			
Lead	1	1.06	105.7			
Nickel	1	1.08	107.6			
Selenium	1	0.98	97.5			
Silver	1	1.08	108			
Thallium	1	1.04	104.2			
Zinc	10	8.76	87.6			

Control Limits: no limits have been established by EPA at this time

2B-IN

CRDL STANDARD FOR METALS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB38 Run Sequence ID: R022243

ICP CRDL Standard Source: ME-15-168-1

Concentration Units: ug/L

Analyte	CRDL Standard for ICP					
	Initial CRA			Final		
	True	Found	%R	Found	%R	Limits
Mercury	0.2	0.17	82.8			

Control Limits: no limits have been established by EPA at this time

SW-846

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB38 Run Sequence ID: R022083

Concentration Units: ug/L

Analyte	Inital Calib. Blank ICB	C	Continuing Calibration Blank CCB1 1	C	CCB2 2	C	CCB3 3	C
Antimony	0.0560	U	0.0560	U	0.0560	U	0.0560	U
Arsenic	0.100	U	0.100	U	0.100	U	-0.126	J
Beryllium	0.0430	U	0.0430	U	0.0430	U	0.0430	U
Cadmium	0.0940	U	0.0940	U	0.0940	U	0.0940	U
Chromium	0.120	U	0.120	U	0.120	U	0.120	U
Copper	0.520	U	0.520	U	0.520	U	0.520	U
Lead	0.0750	U	0.0750	U	0.0750	U	0.0750	U
Nickel	0.110	U	0.110	U	0.110	U	0.110	U
Selenium	0.217	J	0.154	J	0.191	J	0.334	J
Silver	0.0850	U	0.0850	U	0.0850	U	0.0850	U
Thallium	0.0440	U	0.0440	U	0.0440	U	0.0440	U
Zinc	1.80	U	-1.82	J	1.80	U	1.80	U

SW-846

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB38 Run Sequence ID: R022083

Concentration Units: ug/L

Analyte	Inital Calib. Blank	C	Continuing Calibration Blank CCB4 1	C	CCB5 2	C	CCB6 3	C
Antimony			0.0560	U	0.0560	U	0.0560	U
Arsenic			-0.127	J	-0.128	J	-0.124	J
Beryllium			0.0430	U	0.0430	U	0.0430	U
Cadmium			0.0940	U	0.0940	U	0.0940	U
Chromium			0.120	U	0.120	U	0.120	U
Copper			0.520	U	0.520	U	0.520	U
Lead			0.0750	U	0.0750	U	0.0750	U
Nickel			0.110	U	0.110	U	0.110	U
Selenium			0.328	J	0.312	J	0.442	J
Silver			0.0850	U	0.0850	U	0.0850	U
Thallium			0.0440	U	0.0440	U	0.0440	U
Zinc			1.80	U	1.80	U	1.80	U

SW-846

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB38 Run Sequence ID: R022243

Concentration Units: ug/L

Analyte	Inital Calib. Blank		Continuing Calibration Blank					
	ICB	C	CCB1	C	CCB2	C	CCB3	C
			1		2		3	
Mercury	0.0180	U	-0.0375	J	-0.0351	J	-0.0349	J

SW-846
3B
BLANKS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB38 Run Sequence ID: R022083

Lab Sample ID: B100407ICPMSW05 Prep Batch ID: P023138

Matrix (soil/water): Water Date Prepared: 10/04/2007

Concentration Units: ug/L

Analyte	Preparation Blank			
	Limits		C	M
Antimony	0.5	0.0560	U	M
Arsenic	0.5	-0.128	J	M
Beryllium	0.5	0.0430	U	M
Cadmium	0.5	0.0940	U	M
Chromium	0.5	0.120	U	M
Copper	1	0.520	U	M
Lead	0.5	0.0750	U	M
Nickel	0.5	0.110	U	M
Selenium	0.5	0.110	U	M
Silver	0.5	0.0850	U	M
Thallium	0.5	0.0440	U	M
Zinc	5	1.80	U	M

SW-846
3B
BLANKS

Lab Name: Laucks Laboratories
Contract:

Lab Code: LAUCKS SDG No.: CAB38
Run Sequence ID: R022243

Lab Sample ID: B100807HGW01
Prep Batch ID: P023230

Matrix (soil/water): Water
Date Prepared: 10/08/2007

Concentration Units: ug/L

Analyte	Preparation Blank			
	Limits		C	M
Mercury	0.1	-0.0208	J	CV

SW-846

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB38 Run Sequence ID: R022083

ICS Source: ME-15-153-19, ME-15-165-20, ME-15-166-2

ICP ID Number: ICPMS (Agilent 7500c) Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R	Final Found Limits
Antimony	0	20.0	0.0194	19.9	99.3				
Arsenic	0	20.0	-0.0249	19.5	97.4				
Beryllium	0	20.0	0.00185	20.3	101.6				
Cadmium	0	20.0	0.0639	20.3	101.5				
Chromium	0	20.0	0.275	20.2	100.7				
Copper	0	20.0	0.0820	20.1	100.7				
Lead	0	20.0	0.0330	20.0	99.8				
Nickel	0	20.0	0.270	20.6	103.2				
Selenium	0	20.0	0.00522	20.0	99.9				
Silver	0	20.0	0.0410	20.6	102.8				
Thallium	0	20.0	0.000991	19.7	98.7				
Zinc	0	20.0	-0.827	19.3	96.3				

Interference Check Sample Recover Limits : 80 - 120

SW-846

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

16LCMW430WMS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB38 Run Sequence ID: R022083

Lab Sample ID: CAB38-001MS Prep Batch ID: P023138

Matrix (soil/water): Water Level (low/med): LOW

% Solids for Sample: Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	% R	Q	M
Antimony	75 - 125	48.2100		0.0560	U	50.00	96.4		M
Arsenic	75 - 125	52.0800		0.1000	U	50.00	104.2		M
Beryllium	75 - 125	49.2700		0.0430	U	50.00	98.5		M
Cadmium	75 - 125	50.4400		0.0940	U	50.00	100.8		M
Chromium	75 - 125	51.6000		0.2909	J	50.00	102.6		M
Copper	75 - 125	52.2100		0.5200	U	50.00	104.0		M
Lead	75 - 125	48.7100		0.0750	U	50.00	97.4		M
Nickel	75 - 125	52.5100		0.1704	J	50.00	104.7		M
Selenium	75 - 125	53.3400		0.1100	U	50.00	106.7		M
Silver	75 - 125	48.2200		0.0850	U	50.00	96.4		M
Thallium	75 - 125	48.7900		0.0440	U	50.00	97.6		M
Zinc	75 - 125	63.3800		1.8000	U	50.00	124.3		M

Comments:

SW-846

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

16LCMW430WMS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB38 Run Sequence ID: R022243

Lab Sample ID: CAB38-001MS Prep Batch ID: P023230

Matrix (soil/water): Water Level (low/med): LOW

% Solids for Sample: Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	% R	Q	M
Mercury	85 - 115	4.9683		0.0180	U	5.00	99.4		CV

Comments:

SW-846
5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

16LCMW430WFMS

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB38 Run Sequence ID: R022243

Lab Sample ID: CAB38-002MS Prep Batch ID: P023230

Matrix (soil/water): Water Level (low/med): LOW

% Solids for Sample: Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	% R	Q	M
Mercury	85 - 115	4.9035		0.0180	U	5.00	98.1		CV

Comments:

SW-846

5B

POST DIGEST SPIKE RECOVERY

SAMPLE NO.

16LCMW430WP

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB38 Run Sequence ID: R022083

Lab Sample ID: CAB38-001P Matrix (soil/water): Water

Level (low/med): LOW Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	% R	Q	M
Antimony		48.2400		0.0560	U	50.00	96.5		M
Arsenic		52.2000		0.1000	U	50.00	104.4		M
Beryllium		50.2600		0.0430	U	50.00	100.5		M
Cadmium		50.3900		0.0940	U	50.00	100.7		M
Chromium		51.9400		0.2909	J	50.00	103.3		M
Copper		52.6800		0.5200	U	50.00	104.9		M
Lead		48.6400		0.0750	U	50.00	97.2		M
Nickel		52.7100		0.1704	J	50.00	105.1		M
Selenium		52.8600		0.1100	U	50.00	105.7		M
Silver		47.6500		0.0850	U	50.00	95.3		M
Thallium		49.1200		0.0440	U	50.00	98.2		M
Zinc		56.2800		1.8000	U	50.00	110.1		M

Comments:

SW-846
6
DUPLICATES

SAMPLE NO.
16LCMW430WD

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB38 Run Sequence ID: R022083

Lab Sample ID: CAB38-001D Prep Batch ID: P023138

Level (low/med): LOW Matrix (soil/water): Water

% Solids for Duplicate % Solids for Sample:

Concentration Units: ug/L

Analyte	Control Limit	Sample	C	Duplicate (D)	C	RPD	Q	M
Antimony	1	0.0560	U	0.0560	U			M
Arsenic	1	0.1000	U	0.1000	U			M
Beryllium	1	0.0430	U	0.0430	U			M
Cadmium	1	0.0940	U	0.0940	U			M
Chromium	1	0.2909	J	0.2821	J	3.1		M
Copper	2	0.5200	U	0.5200	U			M
Lead	1	0.0750	U	0.0750	U			M
Nickel	1	0.1704	J	0.1534	J	10.5		M
Selenium	1	0.1100	U	0.1100	U			M
Silver	1	0.0850	U	0.0850	U			M
Thallium	1	0.0440	U	0.0440	U			M
Zinc	10	1.8000	U	1.8000	U			M

SW-846

6

DUPLICATES

SAMPLE NO.

16LCMW430WD

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB38 Run Sequence ID: R022243

Lab Sample ID: CAB38-001D Prep Batch ID: P023230

Level (low/med): LOW Matrix (soil/water): Water

% Solids for Duplicate % Solids for Sample:

Concentration Units: ug/L

Analyte	Control Limit	Sample	C	Duplicate (D)	C	RPD	Q	M
Mercury	0.2	0.0180	U	0.0180	U			CV

SW-846

6

DUPLICATES

SAMPLE NO.

16LCMW430WFD

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB38 Run Sequence ID: R022243

Lab Sample ID: CAB38-002D Prep Batch ID: P023230

Level (low/med): LOW Matrix (soil/water): Water

% Solids for Duplicate % Solids for Sample:

Concentration Units: ug/L

Analyte	Control Limit	Sample	C	Duplicate (D)	C	RPD	Q	M
Mercury	0.2	0.0180	U	0.0180	U			CV

SW-846

7C

DUPLICATE LABORATORY CONTROL SAMPLE

SAMPLE NO.

S100407ICPMSW05D

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB38 Run Sequence(s):

LCS Lab Sample ID: S100407ICPMSW05 Prep Batch ID: P023138

Duplicate LCS ID: S100407ICPMSW05D Level (low/med): LOW

% Solids for LCS: 100 % Solids for Duplicate LCS: 100

Matrix (soil/water): Water Concentration Units: ug/L

Analyte	Control Limits		LCS						Duplicate LCS						RPD
	%R	RPD	Results	C	Added	%R	Q	M	Results	C	Added	%R	Q	M	
Antimony	80 - 120	20	51.72		50.0	103		M	50.61		50.0	101		M	2%
Arsenic	80 - 120	20	54.83		50.0	110		M	54.3		50.0	109		M	1%
Beryllium	80 - 120	20	53.03		50.0	106		M	52.95		50.0	106		M	0%
Cadmium	80 - 120	20	53.46		50.0	107		M	53.14		50.0	106		M	1%
Chromium	80 - 120	20	53.75		50.0	108		M	53.22		50.0	106		M	1%
Copper	80 - 120	20	54.88		50.0	110		M	54.51		50.0	109		M	1%
Lead	80 - 120	20	52.15		50.0	104		M	51.77		50.0	104		M	1%
Nickel	80 - 120	20	54.79		50.0	110		M	54.44		50.0	109		M	1%
Selenium	80 - 120	20	57.08		50.0	114		M	56.49		50.0	113		M	1%
Silver	80 - 120	20	51.06		50.0	102		M	50.77		50.0	102		M	1%
Thallium	80 - 120	20	52.87		50.0	106		M	52.7		50.0	105		M	0%
Zinc	80 - 120	20	58.64		50.0	117		M	56.52		50.0	113		M	4%

Comments:

7A

LABORATORY CONTROL SAMPLE

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB38 Run Sequence ID: R022243

Lab Sample ID: S100807HGW01 Prep Batch ID: P023230

LCS Source: ME-15-162-6

Analyte	Concentration Units: ug/L					
	True	Found	C	%R Limits		%R
Mercury	4.04	3.9862		85	115	98.7

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ICP SERIAL DILUTIONS

SAMPLE NO.

16LCMW430WL

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB38 Run Sequence ID: R022083

Matrix (soil/water): Water Level (low/med: LOW

Lab Sample ID: CAB38-001L

Analyte	Actual Results (ug/L)			Final Results (ug/L)				%D	Q	M
	Initial Sample(i)	Dilution Sample(S)	IDL	Initial Sample(i)	C	Dilution Sample(S)	C			
Antimony	0.0017	-0.0141	0.0291	0.0560	U	0.280	U			M
Arsenic	-0.1388	-0.7770	0.0292	0.100	U	0.500	U			M
Beryllium	-0.0054	-0.0360	0.0164	0.0430	U	0.215	U			M
Cadmium	0.0613	0.2201	0.0308	0.0940	U	0.470	U	258.9		M
Chromium	0.2909	0.2610	0.0230	0.291	J	0.600	U	10.3		M
Copper	0.2232	0.2049	0.0318	0.520	U	2.60	U	8.2		M
Lead	0.0311	0.0519	0.0163	0.0750	U	0.375	U	66.9		M
Nickel	0.1704	0.1562	0.0232	0.170	J	0.550	U	8.3		M
Selenium	-0.0099	-0.1485	0.0336	0.110	U	0.550	U			M
Silver	0.0127	-0.0506	0.0175	0.0850	U	0.425	U			M
Thallium	-0.0062	-0.0380	0.0135	0.0440	U	0.220	U			M
Zinc	1.2510	3.9315	0.2166	1.80	U	9.00	U	214.3		M

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB38

Instrument ID: ICPMS (Agilent 7500c Date: 01/26/2004

Analyte	Isotope	A LTL PQL (ug/L)	B LTL PQL (ug/L)	C MDL (ug/L)	D MDL (ug/L)	M
Antimony	121	1	1	0.056	0.056	M
Arsenic	75	1	1	0.1	0.1	M
Beryllium	9	1	1	0.043	0.043	M
Cadmium	111	1	1	0.094	0.094	M
Chromium	52	1	1	0.12	0.12	M
Copper	63	2	2	0.52	0.52	M
Lead	208	1	1	0.075	0.075	M
Nickel	60	1	1	0.11	0.11	M
Selenium	78	1	1	0.11	0.11	M
Silver	107	1	1	0.085	0.085	M
Thallium	205	1	1	0.044	0.044	M
Zinc	66	10	10	1.8	1.8	M

A = Upper Estimated (J Flag) Range in Determination Units
B = Upper Estimated (J Flag) Range in Actual Units
C = Lower Estimated (J Flag) Range in Determination Units
D = Lower Estimated (J Flag) Range in Actual Units

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INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB38

Instrument ID: FIMS02(FIMS100) Date: 04/11/2006

Analyte	Isotope	A LTL PQL (ug/L)	B LTL PQL (ug/L)	C MDL (ug/L)	D MDL (ug/L)	M
Mercury		0.2	0.2	0.018	0.018	CV

A = Upper Estimated (J Flag) Range in Determination Units
B = Upper Estimated (J Flag) Range in Actual Units
C = Lower Estimated (J Flag) Range in Determination Units
D = Lower Estimated (J Flag) Range in Actual Units

12

ICP LINEAR RANGES (QUARTERLY)

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB38

ICP ID Number: ICPMS (Agilent 7500c) Date: 09/23/2007

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Antimony	0.100	2000.0	M
Arsenic	0.100	500.0	M
Beryllium	0.100	750.0	M
Cadmium	0.500	2000.0	M
Chromium	0.100	2000.0	M
Copper	0.100	2000.0	M
Lead	0.100	2000.0	M
Nickel	0.100	2000.0	M
Selenium	0.500	2000.0	M
Silver	0.100	1500.0	M
Thallium	0.100	2000.0	M
Zinc	0.100	2000.0	M

12

ICP LINEAR RANGES (QUARTERLY)

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB38

ICP ID Number: FIMS02(FIMS100) Date: 09/21/2007

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Mercury		10.0	CV

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PREPARATION LOG

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB38 Prep Batch ID: P023138

Method: 6020

Client Sample No.	Lab Sample ID	Preparation Date	Initial Volume	Volume (mL)
B100407ICPMSW05	B100407ICPMSW05	10/04/2007	100.0mL	100
S100407ICPMSW05	S100407ICPMSW05	10/04/2007	100.0mL	100
S100407ICPMSW05D	S100407ICPMSW05D	10/04/2007	100.0mL	100
16LCMW430W	CAB38-001	10/04/2007	100.0mL	100
16LCMW430WD	CAB38-001D	10/04/2007	100.0mL	100
16LCMW430WMS	CAB38-001MS	10/04/2007	100.0mL	100
16LCMW430WF	CAB38-002	10/04/2007	100.0mL	100

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PREPARATION LOG

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB38 Prep Batch ID: P023230

Method: 7470A

Client Sample No.	Lab Sample ID	Preparation Date	Initial Volume	Volume (mL)
B100807HGW01	B100807HGW01	10/08/2007	50.0 mL	50
S100807HGW01	S100807HGW01	10/08/2007	50.0 mL	50
16LCMW430W	CAB38-001	10/08/2007	50.0 mL	50
16LCMW430WD	CAB38-001D	10/08/2007	50.0 mL	50
16LCMW430WMS	CAB38-001MS	10/08/2007	50.0 mL	50
16LCMW430WF	CAB38-002	10/08/2007	50.0 mL	50
16LCMW430WFD	CAB38-002D	10/08/2007	50.0 mL	50
16LCMW430WFMS	CAB38-002MS	10/08/2007	50.0 mL	50
~~ICB~~	ICB	10/08/2007	50.0 mL	50

BM 10/15/07

14

ANALYSIS RUN LOG

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB38 Run Sequence ID: R022083

Instrument ID Number: ICPMS (Agilent 7500c) Method: 6020

Start Date: 10/05/2007 End Date: 10/07/2007

Client Sample No.	D/F	Time	Analytes																																			
			AG	AL	AS	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TH	TI	TL	U	V	ZN	CN	B	SI			
zzzzzz1	1	13:24																																				
CAL BLANK1	1	13:38	X		X		X		X		X	X									X	X	X	X					X			X					
STD 1	1	13:52	X		X		X		X		X	X									X	X	X	X					X			X					
STD 2	1	14:06	X		X		X		X		X	X									X	X	X	X					X			X					
STD 3	1	14:20	X		X		X		X		X	X									X	X	X	X					X			X					
STD 4	1	14:34	X		X		X		X		X	X									X	X	X	X					X			X					
STD 5	1	14:47	X		X		X		X		X	X									X	X	X	X					X			X					
ICV	1	15:01	X		X		X		X		X	X									X	X	X	X					X			X					
ICB	1	15:19	X		X		X		X		X	X									X	X	X	X					X			X					
CRI	1	15:33	X		X		X		X		X	X									X	X	X	X					X			X					
ICSA1	1	15:47	X		X		X		X		X	X									X	X	X	X					X			X					
ICSAB1	1	16:01	X		X		X		X		X	X									X	X	X	X					X			X					
zzzzzz2	1	16:15																																				
CCV1	1	16:29	X		X		X		X		X	X									X	X	X	X					X			X					
CCB1	1	16:42	X		X		X		X		X	X									X	X	X	X					X			X					
zzzzzz	1	16:56																																				
zzzzzz	1	17:10																																				
B100407ICPMSW05	1	17:24	X		X		X		X		X	X									X	X	X	X					X			X					
zzzzzz	1	17:38																																				
zzzzzz	1	17:52																																				
zzzzzz	1	18:06																																				
zzzzzz	1	18:20																																				
S100407ICPMSW05	1	18:34	X		X		X		X		X	X									X	X	X	X					X			X					
S100407ICPMSW05D	1	18:48	X		X		X		X		X	X									X	X	X	X					X			X					
zzzzzz3	1	19:01																																				
CCV2	1	19:15	X		X		X		X		X	X									X	X	X	X					X			X					
CCB2	1	19:29	X		X		X		X		X	X									X	X	X	X					X			X					

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ANALYSIS RUN LOG

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB38 Run Sequence ID: R022083

Instrument ID Number: Method: 6020

Start Date: 10/05/2007 End Date: 10/07/2007

Client Sample No.	D/F	Time	Analytes																																		
			AG	AL	AS	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TH	TI	TL	U	V	ZN	CN	B	SI		
ZZZZZZ	5	19:43																																			
ZZZZZZ	5	19:57																																			
ZZZZZZ	25	20:11																																			
ZZZZZZ	5	20:25																																			
ZZZZZZ	5	20:39																																			
ZZZZZZ	1	20:52																																			
ZZZZZZ	1	21:06																																			
ZZZZZZ	5	21:20																																			
ZZZZZZ	1	21:34																																			
ZZZZZZ4	1	21:48																																			
CCV3	1	22:02	X		X		X		X		X	X									X	X	X	X					X			X					
CCB3	1	22:16	X		X		X		X		X	X									X	X	X	X					X			X					
ZZZZZZ	1	22:29																																			
ZZZZZZ	5	22:43																																			
ZZZZZZ	25	22:57																																			
ZZZZZZ	5	23:11																																			
ZZZZZZ	5	23:25																																			
ZZZZZZ	5	23:39																																			
ZZZZZZ	5	23:53																																			
ZZZZZZ	1	00:07																																			
ZZZZZZ	5	00:21																																			
ZZZZZZ5	1	00:34																																			
CCV4	1	00:48	X		X		X		X		X	X									X	X	X	X					X			X					
CCB4	1	01:02	X		X		X		X		X	X									X	X	X	X					X			X					
ZZZZZZ	1	01:16																																			
ZZZZZZ	1	01:30																																			
ZZZZZZ	1	01:44																																			

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ANALYSIS RUN LOG

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB38 Run Sequence ID: R022083

Instrument ID Number: Method: 6020

Start Date: 10/05/2007 End Date: 10/07/2007

Client Sample No.	D/F	Time	Analytes																																		
			AG	AL	AS	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TH	TI	TL	U	V	ZN	CN	B	SI		
zzzzzz	1	01:58																																			
zzzzzz	5	02:12																																			
zzzzzz	25	02:26																																			
zzzzzz	5	02:39																																			
zzzzzz	5	02:53																																			
zzzzzz	5	03:07																																			
zzzzzz6	1	03:21																																			
CCV5	1	03:35	X		X		X		X		X	X									X	X	X	X					X			X					
CCB5	1	03:49	X		X		X		X		X	X									X	X	X	X					X			X					
zzzzzz	5	04:03																																			
16LCMW430W	1	04:17	X		X		X		X		X	X									X	X	X	X					X			X					
16LCMW430WL	5	04:31	X		X		X		X		X	X									X	X	X	X					X			X					
16LCMW430WD	1	04:45	X		X		X		X		X	X									X	X	X	X					X			X					
16LCMW430WMS	1	04:59	X		X		X		X		X	X									X	X	X	X					X			X					
16LCMW430WP	1	05:13	X		X		X		X		X	X									X	X	X	X					X			X					
16LCMW430WF	1	05:27	X		X		X		X		X	X									X	X	X	X					X			X					
zzzzzz7	1	05:40																																			
CCV6	1	05:54	X		X		X		X		X	X									X	X	X	X					X			X					
CCB6	1	06:08	X		X		X		X		X	X									X	X	X	X					X			X					

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ANALYSIS RUN LOG

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB38 Run Sequence ID: R022243

Instrument ID Number: FIMS02(FIMS100) Method: 7470A

Start Date: 10/08/2007 End Date: 10/08/2007

Client Sample No.	D/F	Time	Analytes																																				
			AG	AL	AS	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TH	TI	TL	U	V	ZN	CN	B	SI					
Calib Blank	1	13:16												X																										
S0.2	1	13:19												X																										
S0.5	1	13:21												X																										
S1.0	1	13:23												X																										
S2.0	1	13:26												X																										
S5.0	1	13:28												X																										
S10.0	1	13:31												X																										
ICV	1	13:33												X																										
ICB	1	13:35												X																										
CRA	1	13:38												X																										
S100807HGW01	1	13:40												X																										
B100807HGW01	1	13:42												X																										
zzzzzz	1	13:45																																						
zzzzzz	1	13:47																																						
zzzzzz	1	13:50																																						
zzzzzz	1	13:52																																						
zzzzzz	1	13:55																																						
zzzzzz	1	13:57																																						
zzzzzz	1	13:59																																						
CCV1	1	14:02												X																										
CCB1	1	14:04												X																										
zzzzzz	1	14:06																																						
zzzzzz	1	14:09																																						
zzzzzz	1	14:11																																						
zzzzzz	1	14:14																																						
zzzzzz	1	14:16																																						
zzzzzz	1	14:18																																						

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ANALYSIS RUN LOG

Lab Name: Laucks Laboratories Contract:

Lab Code: LAUCKS SDG No.: CAB38 Run Sequence ID: R022243

Instrument ID Number: FIMS02(FIMS100) Method: 7470A

Start Date: 10/08/2007 End Date: 10/08/2007

Client Sample No.	D/F	Time	Analytes																																		
			AG	AL	AS	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TH	TI	TL	U	V	ZN	CN	B	SI		
16LCMW430W	1	14:21												X																							
16LCMW430WD	1	14:23												X																							
16LCMW430WMS	1	14:25												X																							
CCV2	1	14:28												X																							
CCB2	1	14:30												X																							
16LCMW430WF	1	14:32												X																							
16LCMW430WFD	1	14:35												X																							
16LCMW430WFMS	1	14:37												X																							
zzzzzz	1	14:39																																			
CCV3	1	14:42												X																							
CCB3	1	14:44												X																							

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FORMS SUMMARY

CAB38

Miscellaneous Inorganics

Laucks Testing Laboratories, Inc.

Final Results

Client: PBS Engineering and Environmental
Project: Camp Bonneville
SDG Number: CAB38
Sample Number: 16LCMW430W
Date/Time Collected: 09/20/2007 16:30
Lab Sample ID: CAB38-001
Date/Time Received: 09/21/2007 08:25
Method: E150.1
Unit: pH Units

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
pH	pH	1	8.3		0.10	0.10	09/21/2007	09/21/2007	R021787

Method: E160.2
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Suspended Solids, Total	TSS	1	6.0		2.0	2.0	09/21/2007	09/27/2007	R021788

Method: E300.0
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Nitrate - N	14797-55-8	1	0.20	U	0.20	0.055	09/21/2007	09/21/2007	R021798
Nitrite - N	14797-65-0	1	0.10	U	0.10	0.017	09/21/2007	09/21/2007	R021798
Sulfate as SO4	14808-79-8	1	1.0	U	1.0	0.17	09/21/2007	09/21/2007	R021798
Chloride	16887-00-6	1	1.0	U	1.0	0.076	09/21/2007	09/21/2007	R021798

Method: E310.1
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Alkalinity, Carbonate (As CaCO3)	3812-32-6	1	2	U	2	2	10/03/2007	10/03/2007	R022117
Alkalinity, Bicarbonate (As CaCO3)	71-52-3	1	2	U	2	2	10/03/2007	10/03/2007	R022117

Method: E314.0
Unit: ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	1	1.0	U	1.0	0.14	09/28/2007	09/29/2007	R021888

Method: E415.1
Unit: mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Organic Carbon, Total	TOC	1	1.0	U	1.0	0.070	09/27/2007	09/27/2007	R021863

Laucks Testing Laboratories, Inc.

Final Results

Client:	PBS Engineering and Environmental	**Project:**	Camp Bonneville
SDG Number:	CAB38		
Sample Number:	16LCMW430WF	**Date/Time Collected:**	09/20/2007 16:30
Lab Sample ID:	CAB38-002	**Date/Time Received:**	09/21/2007 08:25
Method:	E415.1	**Unit:**	mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Dissolved Organic Carbon	DOC	1	1.0	U	1.0	1.0	10/02/2007	10/02/2007	R022055

Laucks Testing Laboratories, Inc.

Final Results

Client:	PBS Engineering and Environmental	**Project:**	Camp Bonneville
SDG Number:	CAB38		
Sample Number:	16L4MW17W	**Date/Time Collected:**	09/20/2007 09:50
Lab Sample ID:	CAB38-003	**Date/Time Received:**	09/21/2007 08:25
Method:	E314.0	**Unit:**	ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	1	1.0	U	1.0	0.14	09/28/2007	09/29/2007	R021888

Laucks Testing Laboratories, Inc.

Final Results

Client:	PBS Engineering and Environmental	**Project:**	Camp Bonneville
SDG Number:	CAB38		
Sample Number:	16L4MW18W	**Date/Time Collected:**	09/20/2007 10:50
Lab Sample ID:	CAB38-004	**Date/Time Received:**	09/21/2007 08:25
Method:	E314.0	**Unit:**	ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	1	1.0	U	1.0	0.14	09/28/2007	09/29/2007	R021888

Laucks Testing Laboratories, Inc.

Final Results

Client:	PBS Engineering and Environmental	**Project:**	Camp Bonneville
SDG Number:	CAB38		
Sample Number:	16L4MW07BW	**Date/Time Collected:**	09/20/2007 12:15
Lab Sample ID:	CAB38-006	**Date/Time Received:**	09/21/2007 08:25
Method:	E314.0	**Unit:**	ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	1	2.1		1.0	0.14	09/28/2007	09/29/2007	R021888

Laucks Testing Laboratories, Inc.

Final Results

Client:	PBS Engineering and Environmental	**Project:**	Camp Bonneville
SDG Number:	CAB38		
Sample Number:	16L4MW440W	**Date/Time Collected:**	09/20/2007 11:30
Lab Sample ID:	CAB38-007	**Date/Time Received:**	09/21/2007 08:25
Method:	E314.0	**Unit:**	ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	1	1.9		1.0	0.14	09/28/2007	09/29/2007	R021888

Laucks Testing Laboratories, Inc.

Final Results

Client:	PBS Engineering and Environmental	**Project:**	Camp Bonneville
SDG Number:	CAB38		
Sample Number:	16L4MW01AW	**Date/Time Collected:**	09/20/2007 14:00
Lab Sample ID:	CAB38-008	**Date/Time Received:**	09/21/2007 08:25
Method:	E314.0	**Unit:**	ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	1	1.5		1.0	0.14	09/28/2007	09/29/2007	R021888

Laucks Testing Laboratories, Inc.

Final Results

Client:	PBS Engineering and Environmental	**Project:**	Camp Bonneville
SDG Number:	CAB38		
Sample Number:	16L4MW01BW	**Date/Time Collected:**	09/20/2007 15:30
Lab Sample ID:	CAB38-009	**Date/Time Received:**	09/21/2007 08:25
Method:	E314.0	**Unit:**	ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	1	1.0	U	1.0	0.14	09/28/2007	09/29/2007	R021888

Laucks Testing Laboratories, Inc.

INITIAL AND CONTINUING CALIBRATION VERIFICATION

SDG No: CAB38 Contract:

Run Sequence No. R021798 Concentration Units: mg/L

Determination Name: 300.0 NO3, NO2, Cl, SO4

Initial Calibration Source: IC-7-25-5

Continuing Calbration Source: IC-7-26-5

Analyte	ICV 09/21/2007 18:29				CCV1 09/21/07 21:39						CCV
	True	Found	Recovery	Limits	True	Found	Recovery	True	Found	Recovery	Limits
Chloride	1.510	1.542	102.1	90-110	5.023	4.961	98.8				90-110
Nitrate - N	1.152	1.152	100	90-110	2.004	2.004	100				90-110
Nitrite - N	1.513	1.619	107	90-110	1.000	1.012	101.1				90-110
Sulfate as SO4	7.500	7.618	101.6	90-110	10.018	10.025	100.1				90-110

* = Percent recovery not within control limits

Laucks Testing Laboratories, Inc.

INITIAL AND CONTINUING CALIBRATION VERIFICATION

SDG No: CAB38 Contract:

Run Sequence No. R022055 Concentration Units: mg/L

Determination Name: 415.1 Dissolved Organic Carbon

Initial Calibration Source: TOC-4-31-13

Continuing Calbration Source: TOC-4-29-20

Analyte	ICV 10/02/2007 12:00				CCV01 10/02/07 12:00						CCV
	True	Found	Recovery	Limits	True	Found	Recovery	True	Found	Recovery	Limits
Dissolved Organic Carbon	10.000	9.091	90.9	90-110	5.001	4.607	92.1				90-110

* = Percent recovery not within control limits

Laucks Testing Laboratories, Inc.

INITIAL AND CONTINUING CALIBRATION VERIFICATION

SDG No: CAB38 Contract:

Run Sequence No. R021888 Concentration Units: ug/L

Determination Name: 314.0 Perchlorate

Initial Calibration Source: IC-7-26-11

Continuing Calbration Source: IC-7-26-13

Analyte	ICV 09/29/2007 7:49				CCV1 09/29/07 07:49			CCV2 09/29/07 07:49			CCV
	True	Found	Recovery	Limits	True	Found	Recovery	True	Found	Recovery	Limits
Perchlorate	40.151	39.875	99.3	75-125	9.988	9.157	91.7	9.988	10.265	102.8	85-115

* = Percent recovery not within control limits

Laucks Testing Laboratories, Inc.

INITIAL AND CONTINUING CALIBRATION VERIFICATION

SDG No: CAB38 Contract:

Run Sequence No. R021863 Concentration Units: mg/L

Determination Name: 415.1 Total Organic Carbon

Initial Calibration Source: TOC-4-31-13

Continuing Calbration Source: TOC-4-29-20

Analyte	ICV 09/27/2007 10:30				CCV01 09/27/07 10:30						CCV
	True	Found	Recovery	Limits	True	Found	Recovery	True	Found	Recovery	Limits
Organic Carbon, Total	10.000	9.116	91.2	90-110	5.001	4.903	98				90-110

* = Percent recovery not within control limits

Laucks Testing Laboratories, Inc.

INITIAL AND CONTINUING CALIBRATION BLANKS

SDG No: **CAB38** Contract:

Run	Determination	Sample	Analyzed	Analyte	Result	Unit	Limit
R021798	300.0 NO3, NO2, Cl, SO4	ICB	09/21/2007	Chloride	1.0 U	mg/L	0.500000
	300.0 NO3, NO2, Cl, SO4	CCB1	09/21/2007	Chloride	1.0 U	mg/L	0.500000
	300.0 NO3, NO2, Cl, SO4	ICB	09/21/2007	Nitrate - N	0.20 U	mg/L	0.100000
	300.0 NO3, NO2, Cl, SO4	CCB1	09/21/2007	Nitrate - N	0.20 U	mg/L	0.100000
	300.0 NO3, NO2, Cl, SO4	ICB	09/21/2007	Nitrite - N	0.10 U	mg/L	0.050000
	300.0 NO3, NO2, Cl, SO4	CCB1	09/21/2007	Nitrite - N	0.10 U	mg/L	0.050000
	300.0 NO3, NO2, Cl, SO4	ICB	09/21/2007	Sulfate as SO4	1.0 U	mg/L	0.500000
	300.0 NO3, NO2, Cl, SO4	CCB1	09/21/2007	Sulfate as SO4	1.0 U	mg/L	0.500000
R021863	415.1 Total Organic Carbon	ICB	09/27/2007	Organic Carbon, Total	1.0 U	mg/L	0.500000
	415.1 Total Organic Carbon	CCB01	09/27/2007	Organic Carbon, Total	1.0 U	mg/L	0.500000
R021888	314.0 Perchlorate	ICB	09/29/2007	Perchlorate	1.0 U	ug/L	0.500000
	314.0 Perchlorate	CCB1	09/29/2007	Perchlorate	1.0 U	ug/L	0.500000
	314.0 Perchlorate	CCB2	09/29/2007	Perchlorate	1.0 U	ug/L	0.500000
R022055	415.1 Dissolved Organic Carbon	ICB	10/02/2007	Dissolved Organic Carbon	1.0 U	mg/L	0.500000
	415.1 Dissolved Organic Carbon	CCB01	10/02/2007	Dissolved Organic Carbon	1.0 U	mg/L	0.500000

* = Control limit exceeded

Laucks Testing Labs

Blank Report

Test:	310.1M Carb./Bicarb. Alkalinity	SDG ID:	CAB38
		Preparation Date:	10/3/2007
Lab Sample ID:	B100307ALKW01	Run Sequence ID:	R022117
		Analysis Date:	10/03/2007 14:30
		Units:	mg/L
		Matrix:	Water

Analyte	Reported	Flag	Limit
Alkalinity, Bicarbonate (As CaCO3)	2	U	2
Alkalinity, Carbonate (As CaCO3)	2	U	2

Associated Samples	
Lab Sample ID	**Client Sample ID**
CAB38-001	16LCMW430W

* Measured blank concentration exceeded the established control limit

Laucks Testing Labs

Blank Report

Test:	300.0 NO3, NO2, Cl, SO4	SDG ID:	CAB38
		Preparation Date:	9/21/2007
Lab Sample ID:	B092107IAIW01	Run Sequence ID:	R021798
		Analysis Date:	09/21/2007 18:45
		Units:	mg/L
		Matrix:	Water

Analyte	Reported	Flag	Limit
Chloride	1.0	U	0.5
Nitrate - N	0.20	U	0.1
Nitrite - N	0.10	U	0.05
Sulfate as SO4	1.0	U	0.5

Associated Samples	
Lab Sample ID	**Client Sample ID**
CAB38-001	16LCMW430W

* Measured blank concentration exceeded the established control limit

Laucks Testing Labs

Blank Report

Test:	415.1 Dissolved Organic Carbon	SDG ID:	CAB38
		Preparation Date:	10/2/2007
Lab Sample ID:	B100207DOCW01	Run Sequence ID:	R022055
		Analysis Date:	10/02/2007 12:00
		Units:	mg/L
		Matrix:	Water

Analyte	Reported	Flag	Limit
Dissolved Organic Carbon	1.0	U	0.5

Associated Samples	
Lab Sample ID	**Client Sample ID**
CAB38-002	16LCMW430WF

* Measured blank concentration exceeded the established control limit

Laucks Testing Labs

Blank Report

Test:	314.0 Perchlorate	SDG ID:	CAB38
		Preparation Date:	9/28/2007
Lab Sample ID:	B092607	Run Sequence ID:	R021888
		Analysis Date:	09/29/2007 07:49
		Units:	ug/L
		Matrix:	Water

Analyte	Reported	Flag	Limit
Perchlorate	1.0	U	0.5

Associated Samples

Lab Sample ID	Client Sample ID
CAB38-001	16LCMW430W
CAB38-003	16L4MW17W
CAB38-004	16L4MW18W
CAB38-006	16L4MW07BW
CAB38-007	16L4MW440W
CAB38-008	16L4MW01AW
CAB38-009	16L4MW01BW

* Measured blank concentration exceeded the established control limit

Laucks Testing Labs

Blank Report

Test:	415.1 Total Organic Carbon	SDG ID:	CAB38
		Preparation Date:	9/27/2007
Lab Sample ID:	B092507TOCW01	Run Sequence ID:	R021863
		Analysis Date:	09/27/2007 10:30
		Units:	mg/L
		Matrix:	Water

Analyte	Reported	Flag	Limit
Organic Carbon, Total	1.0	U	0.5

Associated Samples	
Lab Sample ID	**Client Sample ID**
CAB38-001	16LCMW430W

* Measured blank concentration exceeded the established control limit

Laucks Testing Labs

Blank Report

Test:	160.2 Total Suspended Solids	SDG ID:	CAB38
		Preparation Date:	9/21/2007
Lab Sample ID:	B092107TSSW01	Run Sequence ID:	R021788
		Analysis Date:	09/27/2007 08:15
		Units:	mg/L
		Matrix:	Water

Analyte	Reported	Flag	Limit
Suspended Solids, Total	2.0	U	2

Associated Samples	
Lab Sample ID	Client Sample ID
CAB38-001	16LCMW430W

* Measured blank concentration exceeded the established control limit

Laucks Testing Laboratories

Matrix Spike/Matrix Spike Duplicate Report

Test:	300.0 NO3, NO2, Cl, SO4	SDG ID:	CAB38
		Preparation Date:	09/21/2007
MS Lab Sample ID:	CAB38-001MS 10X	Run Sequence ID:	R021798
MSD Lab Sample ID:	CAB38-001MSD 10X	Analysis Date:	09/21/2007
Client Sample ID:	16LCMW430W	Units:	mg/L
		Matrix:	Water

Analyte	Sample Found	MS Spike	MS Found	MS Recovery	MSD Spike	MSD Found	MSD Recovery	RPD	Limits	
									Recovery	RPD
Chloride	0.1125	20.1	19.6888	97%	20.1	20.3539	101%	3%	90-110	11
Nitrate - N	0	8.02	7.7667	97%	8.02	7.8671	98%	1%	90-110	10
Nitrite - N	0	4.00	3.9096	98%	4.00	3.9604	99%	1%	90-110	10
Sulfate as SO4	0	40.1	39.6293	99%	40.1	40.1013	100%	1%	90-110	10

Associated Samples	
Lab Sample ID	Client Sample ID
CAB38-001	16LCMW430W

* = RPD or percent recovery is outside established control limits
# = This RPD or percent recovery is not flagged as an exceedence because the Sample Found amount is five times or more than the Spike Added amount.

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

Laucks Testing Laboratories

Matrix Spike/Matrix Spike Duplicate Report

Test:	314.0 Perchlorate	SDG ID:	CAB38
		Preparation Date:	09/28/2007
MS Lab Sample ID:	CAB38-009MS 2X	Run Sequence ID:	R021888
MSD Lab Sample ID:	CAB38-009MSD 2X	Analysis Date:	09/29/2007
Client Sample ID:	16L4MW01BW	Units:	ug/L
		Matrix:	Water

Analyte	Sample Found	MS Spike	MS Found	MS Recovery	MSD Spike	MSD Found	MSD Recovery	RPD	Limits	
									Recovery	RPD
Perchlorate	0	40.0	38.156	96%	40.0	38.842	97%	2%	80-120	15

Associated Samples	
Lab Sample ID	Client Sample ID
CAB38-001	16LCMW430W
CAB38-003	16L4MW17W
CAB38-004	16L4MW18W
CAB38-006	16L4MW07BW
CAB38-007	16L4MW440W
CAB38-008	16L4MW01AW
CAB38-009	16L4MW01BW

* = RPD or percent recovery is outside established control limits

= This RPD or percent recovery is not flagged as an exceedence because the Sample Found amount is five times or more than the Spike Added amount.

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

Laucks Testing Laboratories

Duplicate Report

Test:	150.1 pH, Water	SDG ID:	CAB38
		Preparation Date:	9/21/2007
Lab Sample ID:	CAB38-001D	Run Sequence ID:	R021787
Client Sample ID:	16LCMW430W	Analysis Date:	09/21/2007 11:50
		Units:	pH Units
		Matrix	Water

Analyte	Parent Found	Duplicate Found	RPD	Limit
pH	8.343	8.334	0%	10

Associated Samples	
Lab Sample ID	**Client Sample ID**
CAB38-001	16LCMW430W

= RPD Value is not flagged as an outlier because either the parent found amount or duplicate found amount or both are less than five times the reporting limit
* = Value exceeded established control limits

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

Laucks Testing Laboratories

Duplicate Report

Test:	160.2 Total Suspended Solids	SDG ID:	CAB38
		Preparation Date:	9/21/2007
Lab Sample ID:	CAB38-001D	Run Sequence ID:	R021788
Client Sample ID:	16LCMW430W	Analysis Date:	09/27/2007 08:15
		Units:	mg/L
		Matrix	Water

Analyte	Parent Found	Duplicate Found	RPD	Limit
Suspended Solids, Total	6	8	29%#	20

Associated Samples	
Lab Sample ID	**Client Sample ID**
CAB38-001	16LCMW430W

= RPD Value is not flagged as an outlier because either the parent found amount or duplicate found amount or both are less than five times the reporting limit

* = Value exceeded established control limits

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

Laucks Testing Laboratories

BS/BSD Report

Test:	415.1 Dissolved Organic Carbon	SDG ID:	CAB38
		Preparation Date:	10/02/2007
BS Sample ID:	S100207DOCW01	Run Sequence ID:	R022055
BSD Sample ID:	S100207DOCW01D	Analysis Date:	10/02/2007 12:00
		Units:	mg/L
		Matrix	Water

Analyte	Blank Spike			Blank Spike Duplicate			RPD	Limits	
	Added	Found	Recovery	Added	Found	Recovery		Recovery	RPD
Dissolved Organic Carbon	10.0	9.2384	92%	10.0	9.9579	100%	8%	70-119	

Associated Samples	
Lab Sample ID	**Client Sample ID**
CAB38-002	16LCMW430WF

* = RPD or recovery is outside the established control limits

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

Laucks Testing Laboratories

BS/BSD Report

Test:	314.0 Perchlorate	SDG ID:	CAB38
		Preparation Date:	09/28/2007
BS Sample ID:	S092607	Run Sequence ID:	R021888
BSD Sample ID:	SD092607	Analysis Date:	09/29/2007 07:49
		Units:	ug/L
		Matrix	Water

Analyte	Blank Spike			Blank Spike Duplicate			RPD	Limits	
	Added	Found	Recovery	Added	Found	Recovery		Recovery	RPD
Perchlorate	20.0	18.497	93%	20.0	18.638	93%	1%	85-115	15

Associated Samples	
Lab Sample ID	**Client Sample ID**
CAB38-001	16LCMW430W
CAB38-003	16L4MW17W
CAB38-004	16L4MW18W
CAB38-006	16L4MW07BW
CAB38-007	16L4MW440W
CAB38-008	16L4MW01AW
CAB38-009	16L4MW01BW

* = RPD or recovery is outside the established control limits

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

Laucks Testing Laboratories

BS/BSD Report

Test:	415.1 Total Organic Carbon	SDG ID:	CAB38
		Preparation Date:	09/27/2007
BS Sample ID:	S092507TOCW01	Run Sequence ID:	R021863
BSD Sample ID:	S092507TOCW01D	Analysis Date:	09/27/2007 10:30
		Units:	mg/L
		Matrix	Water

Analyte	Blank Spike			Blank Spike Duplicate			RPD	Limits	
	Added	Found	Recovery	Added	Found	Recovery		Recovery	RPD
Organic Carbon, Total	10.0	9.2298	92%	10.0	9.7151	97%		90-110	

Associated Samples	
Lab Sample ID	**Client Sample ID**
CAB38-001	16LCMW430W

* = RPD or recovery is outside the established control limits

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

Laucks Testing Laboratories

Blank Spike Report

Test: 300.0 NO3, NO2, Cl, SO4

Lab Sample ID: S0921071

SDG ID: CAB38
Preparation Date: 09/21/2007
Run Sequence ID: R021798
Analysis Date: 09/21/2007 18:29
Matrix Water
Units: mg/L

Analyte	Spike Added	Found	% Recovery	Limit
Chloride	1.51	1.5418	102%	90-110
Nitrate - N	1.15	1.1517	100%	90-110
Nitrite - N	1.51	1.6193	107%	90-110
Sulfate as SO4	7.50	7.6175	102%	90-110

Associated Samples	
Lab Sample ID	**Client Sample ID**
CAB38-001	16LCMW430W

* = Recovery exceeded the established control limit

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

Laucks Testing Laboratories

SRM Report

Test Name:	310.1M Carb./Bicarb. Alkalinity	SDG ID:	CAB38
		Preparation Date:	10/03/2007
Lab Sample ID:	SRM-MIN-0638/639-72	Run Sequence ID:	R022117
		Analysis Date:	10/03/2007 14:30
		Units:	mg/L CaCO3
		Matrix:	Water

Analyte	Result	True Value	Control Limits	
			LCL	UCL
Alkalinity, Bicarbonate (As CaCO3)	104	104	90.6	111

Associated Samples	
Lab Sample ID	Client Sample ID
CAB38-001	16LCMW430W

* = Value exceeded established control limits

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

LAUCKS TESTING LABORATORIES

SAMPLE DATA PACKAGE

PBS ENGINEERING
&
ENVIRONMENTAL

SDG NO.: CAB39

November 12, 2007

LAUCKS TESTING LABORATORIES
940 S. Harney
Seattle, WA 98108

To: PBS Engineering & Environmental
Project Name: Camp Bonneville
SDG No.: CAB39
Date of Report: November 12, 2007

SAMPLE RECEIPT, IDENTIFICATION, AND GENERAL COMMENTS:

Sample Receipt and Identification:

The samples submitted under the laboratory number(s) indicated above were identified and analyzed as tabulated below. The samples were collected and received on the dates noted on the enclosed chain-of-custody copies, Attachment A.

Client Sample Identification	Laucks Sample Identification	Testing Analytical Request
16L4MW04AW	CAB39-001	VOA/ORD/INO
TRIP BLANK	CAB39-002	VOA
16L4MW03AW	CAB39-003	VOA/ORD/INO
16L4MW03BW	CAB39-004	VOA/ORD/INO
16L4MW05AW	CAB39-005	VOA/ORD/INO

Analytical Request Key:

VOA =	Volatile Organics (8260B)
ORD =	Ordnance (8330)
	PETN/Nitroglycerin (8332)
INO =	Perchlorate (314.0)

Picric/Picramic*:
We are accredited by NELAP for the attenuation compounds through our SOP LTL-8303 rev. 10 by EPA 8330.

Sample Receipt Comments:

The following discrepancies were noted in association with the receipt of these samples.

The temperature blank was measured at a temperature above the control limit of 4°C ± 2°C. The client was notified of this discrepancy on September 24, 2007 via email. The laboratory was instructed to proceed with analysis.

LAUCKS TESTING LABORATORIES
940 S. Harney
Seattle, WA 98108

GENERAL REMARKS ON ORGANIC ANALYSES:

The following comments describe general analysis conditions. For remarks specific to the samples reported in this case, see "SPECIFIC REMARKS ON ORGANIC ANALYSIS."

Manual Integrations:
One or more analytes may have been manually integrated on the data system quantitation reports. All manual integrations have been flagged, initialed, and dated by the analyst. A list of the manual integration flags is detailed below.

M	Manual integration due to irregular peak shape
MS	Manual integration due to split peak
MR	Manual integration due to retention time shift
MI	Manual integration of correct isomer
MT	Manual integration due to peak tailing
MB	Manual integration due to irregular baseline

Holding Time Compliance:

Volatile Organic Compounds:

The holding time is 14 days calculated from date of collection in both soil and water samples. All samples were analyzed within holding time.

Ordnance, PETN/Nitroglycerin:

The holding time to extraction is 7 days in water and 14 days in soil calculated from date of collection. The holding time from extraction to analysis is 40 days. All samples were extracted and analyzed within holding time.

Volatile Fraction (8260):

Initial Calibration Verification:
In the ICV performed on 9/27/2007 1,1-dichloroethene exceeded 25% difference due to decreased response. Analysis of the daily second source standard (S100607MVOWM1) yielded recovery values that were within 25%. No further action was taken.

Quality Control Analyses:
MS/MSD analyses were not performed due to insufficient sample volume. All spiking analytes in the blank spike analysis recovered within control limits.

Ordnance Fraction:

All quality control parameters were met.

PETN/Nitroglycerin Fraction:

Surrogate Recovery:
Analysis of the blank spike prepared on 09/26/2007 yielded a surrogate recovery that slightly exceeded the upper control limit. Because all other surrogates were in control, no further action was taken.

SPECIFIC REMARKS ON INORGANIC ANALYSES:

Holding Time Compliance:

Laucks calculates holding time compliance for inorganic determinations using the date on which reportable data were acquired.

Miscellaneous:

The following analytes do not have a Contract Laboratory Program holding time. The holding times tabulated below derive from the relevant EPA methods and are applicable when the sample was appropriately preserved and/or cooled. All samples submitted followed the preservation guidelines unless explicitly noted otherwise.

Analyte	Holding Time	Violations
Perchlorate	28 days	None

Miscellaneous Inorganics:

No comments.

LAUCKS TESTING LABORATORIES
940 S. Harney
Seattle, WA 98108

ABBREVIATIONS

Several abbreviations can appear in our reports. The most commonly employed abbreviations are as follows:

U The analyte of interest was not detected to the limit of detection indicated.

SDL Sample Detection Limit. The SDL can vary from sample to sample, depending on sample size, matrix interferences, moisture content and other sample-specific conditions.

PQL Practical Quantitation Limit. The limit is drawn from the test method and usually represents the SDL multiplied by a matrix-specific factor.

DB Dry Basis. The value reported has been back-calculated to normalize for the moisture content of the sample.

AR As-Received. The value has not been normalized for moisture.

ORGANIC ANALYSES:

B When used in relation to organics fractions, the "B" flag indicates that the analyte of interest was detected in the method blank associated with the sample, as well as in the sample itself. The "B" flag is applied without regard to the relative concentrations detected in the blank and sample.

J The analyte of interest was detected below the routine reporting limit. This value should be regarded as an estimate.

T The flagged values represent the SUM of two co-eluting compounds. The SUM of these two values is shown as though it were a result for each of them. The two figures should not be added together.

E The flagged value was reported from an analysis that exceeded the linear range of the instrument. See additional comments for further discussion of the circumstances. Values so flagged should be considered estimates.

P When a dual column GC technique is employed, this flag indicates that test results from the two columns differ by more than 25%. Generally, we report the higher value.

C The flagged analyte has been confirmed by GC/MS analysis. The value reported may be derived from either the initial of confirmatory (GC/MS) analysis. See specific report comments for details.

~ This result has been identified as non-primary based on the analyst's professional judgment.

CRQL Client requested Quantitation Limit, usually the limit of detection specified at your request. Might also be referred to as Contract Required Quantitation Limit.

LAUCKS TESTING LABORATORIES
940 S. Harney
Seattle, WA 98108

INORGANIC ANALYSES:

J 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). If the analyte was analyzed for but not detected, a "U" shall be entered.

E The reported value is estimated because of the presence of interference. The serial dilution was not within control limits.

N Spiked sample recovery not within control limits.

* Duplicate analysis not within control limits.

CRDL Client Requested Detection Limit, usually the limit of detection specified at your request. Might also be referred to as Contract Required Detection Limit.

LAUCKS TESTING LABORATORIES
940 S. Harney
Seattle, WA 98108

RELEASE OF DATA

Laucks certifies that these results meet all requirements of the NELAC standards, except where otherwise noted.

"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 his designee, as verified by the following signature."

Respectfully submitted,

M. Elaine Walker
for Kara Godineaux
Project Manager
11/12/07
(DATE)

Harry Romberg
Harry Romberg
Quality Assurance Officer
11/12/07
(DATE)

HOW TO CONTACT US:

All Laucks Testing Laboratories staff members can be reached at the same telephone and facsimile numbers: (206) 767-5060 by phone, (206) 767-5063 by FAX.

REQUESTS FOR DUPLICATE COPIES:

This packet has been checked for accuracy. All pages are present and in sequential order. Please see Attachment B for a detailed record.

In the event that duplicate data copies are needed, Laucks will accommodate your request at a fee of twenty-five cents ($0.25) per copy, plus shipping. If the data are in storage, there will also be a fee for retrieval.

LAUCKS TESTING LABORATORIES
940 S. Harney
Seattle, WA 98108

ATTACHMENT A

Chain-of-Custody Copies

LAUCKS TESTING LABORATORIES, INC. - SAMPLE CONFIRMATION LOG

Sample ID (SDG-#)	VTSR	Collected On	Client ID	314.0 Perchlorate	8260B VOCs (LTL Routine)	8330 Explosives Residues	8332 Nitroglycerin & PETN
CAB39-**001**	09/24/2007 08:15 AM	09/21/2007 09:45 AM	16L4MW04AW	IN	IN	IN	IN
CAB39-**002**	09/24/2007 08:15 AM	09/21/2007 12:00 AM	TRIP BLANK		IN		
CAB39-**003**	09/24/2007 08:15 AM	09/21/2007 11:10 AM	16L4MW03AW	IN	IN	IN	IN
CAB39-**004**	09/24/2007 08:15 AM	09/21/2007 01:00 PM	16L4MW03BW	IN	IN	IN	IN
CAB39-**005**	09/24/2007 08:15 AM	09/21/2007 02:15 PM	16L4MW03AW	IN	IN	IN	IN

Approved By: Rena Goldman **On:** 9/24/07

Notes:

Samples identified with a '*' client has requested QC for

LEGEND: -:Started , +:Completed , IN:Logged In , P:Preparation , A:Analysis , X:Cancelled, PL:Pre-logged

FORM LTL-PM-8.0

4288

THIS INFORMATION WILL BE USED FOR REPORTING/BILLING* (SEE BELOW)

COMPANY: PBS ENG. & ENV.
ADDRESS: 4412 SW CORBETT
PTLD. OR 97239
ATTENTION: DREW HARVEY
PROJECT NAME: CAMP BONNEVILLE
PROJECT CONTACT:
TELEPHONE: 503-417-7693 FAX:
JOB/P.O. NO.: 70489.00 T6208

CHAIN OF CUSTODY RECORD

44360

SDG # CAB39

PAGE 1 OF 1

WORK ORDER ID#

SUBMITTED AT:

Laucks Testing Laboratories, Inc.
☒ 940 South Harney St., Seattle, WA 98108 (206) 767-5060 FAX 767-5063
☐ 1106 Ledwich Ave., Yakima, WA 98902 (509) 248-4695 FAX 452-1265

10

TESTS TO PERFORM

LAB SA#	SAMPLE ID / LOCATION	DATE	TIME	MATRIX: WATER, SOIL OR SPECIFY	NO. OF CONTAINERS	EXPLOSIVES	PETN/NG	PERCHLORATE	VOCs	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
1	16L4MW04AW	9/21/07	9:45	W	8	X	X	X	X	
2	TRIP BLANK		NA	W	1				X	
3	16L4MW03AW		11:10	W	3				X	
4	16L4MW03BW		13:00	W	3				X	
5	16L4MW05AW		14:15	W	8	X	X	X	X	

1 2 3

A. A standard turnaround time is assumed unless otherwise marked.

B. The laboratory may not be responsible for missed holding time for samples received with less than 50% of the analytical hold time remaining. Please contact the laboratory for further information.

INSTRUCTIONS

1. USE ONE LINE PER SAMPLE.
2. BE SPECIFIC IN TEST REQUESTS.
3. CHECK OFF TESTS TO BE PERFORMED FOR EACH SAMPLE.

*** BILLING INFORMATION, IF DIFFERENT THAN ABOVE**

NAME ADDRESS

ATTN: CITY, STATE, ZIP

*** RUSH TURNAROUND IS SUBJECT TO PRIOR LABORATORY APPROVAL**

TOTAL NO. OF CONTAINERS

TURNAROUND REQUEST

☒ STD. 10-14 WORKING DAYS
* ☐ 24-48 HRS. (100% SUR)
* ☐ 72 HRS. (75% SUR)
* ☐ 5 DAYS (50% SUR)
☐ OTHER:
☐ TEMP:

CUSTODY SEAL: ☐ Y ☐ N ☐ N/A

RELINQUISHED BY (SIGN AND PRINT)	DATE / TIME	RECEIVED BY (SIGN AND PRINT)	DATE / TIME
Barb Lary PBS/ BARB LARY	9/21/07 3:30pm	Zoriah Wieth	9/24/07 0815

Finance Charges and/or Collection Fees may be applied to delinquent accounts.

FINAL REPORT COPY

CHAIN OF CUSTODY RECORD

44361

SDG # CAB39

PAGE 1 OF 1

Laucks Testing Laboratories, Inc.

SUBMITTED AT: ☒ 940 South Harney St., Seattle, WA 98108 (206) 767-5060 FAX 767-5063
☐ 1106 Ledwich Ave., Yakima, WA 98902 (509) 248-4695 FAX 452-1265

11

WORK ORDER ID# _____

THIS INFORMATION WILL BE USED FOR REPORTING/BILLING* (SEE BELOW)

COMPANY: PBS ENG + ENV.

ADDRESS: 4412 SW CORBETT
PTLD. OR 97239

ATTENTION: DREW HARVEY

PROJECT NAME: CAMP BONNEVILLE

PROJECT CONTACT: _____

TELEPHONE: 503-417-7693 FAX: _____

JOB/P.O. NO.: 70489.00 T6208

TESTS TO PERFORM

LAB SA#	SAMPLE ID / LOCATION	DATE	TIME	MATRIX: WATER, SOIL OR SPECIFY	NO. OF CONTAINERS	PETNG	EXPLOSIVES	PERCHLORATE	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
3	16L4MW03AW	9/21/07	11:10	W	5	X	X	X	
4	16L4MW03BW	1	1300			X	X	X	
									added as per customer KNC 9/24/07

1 2 3

A. A standard turnaround time is assumed unless otherwise marked.

B. The laboratory may not be responsible for missed holding time for samples received with less than 50% of the analytical hold time remaining. Please contact the laboratory for further information.

INSTRUCTIONS

1. USE ONE LINE PER SAMPLE.
2. BE SPECIFIC IN TEST REQUESTS.
3. CHECK OFF TESTS TO BE PERFORMED FOR EACH SAMPLE.

*** BILLING INFORMATION, IF DIFFERENT THAN ABOVE**

NAME ADDRESS

ATTN: CITY, STATE, ZIP

*** RUSH TURNAROUND IS SUBJECT TO PRIOR LABORATORY APPROVAL**

TOTAL NO. OF CONTAINERS

TURNAROUND REQUEST

☒ STD. 10-14 WORKING DAYS

* ☐ 24-48 HRS. (100% SUR)

* ☐ 72 HRS. (75% SUR)

* ☐ 5 DAYS (50% SUR)

☐ OTHER: _____

☐ TEMP: _____

CUSTODY SEAL: ☐ Y ☐ N ☐ N/A

RELINQUISHED BY (SIGN AND PRINT)	DATE / TIME	RECEIVED BY (SIGN AND PRINT)	DATE / TIME
Barb Lacy PBS / BARB LACY	9/21/07 3:30pm	Zoriah Wieth	9/24/07 0815

Finance Charges and/or Collection Fees may be applied to delinquent accounts.

FINAL REPORT COPY

Cooler Receipt Form
Laucks Testing Laboratories, Inc.

SDG: CAB39 Taken By: CLIENT

Cooler: AAD695 Transferred: CLIENT

COC #: 44360

Project: Camp Bonneville (PBS Engineering and Environmental)

Date samples were received at the laboratory: **9/24/2007**

Date cooler was opened: **9/24/2007 8:15AM**

A. PRELIMINARY EXAMINATION PHASE:

1. Did cooler come with a shipping slip (airbill, etc.)? ..... **YES**
   if YES, record carrier name and airbill number: **8624 5384 7391**
2. Were custody seals unbroken and intact at the date and time of arrival? ..... **INTACT**
   Date On Custody Seal: Custody Seals Description: **ONE IN FRONT.**
3. Were custody papers sealed in a plastic bag and taped inside to the lid? ..... **YES**
4. Did you screen samples for radioactivity using the Geiger Counter? ..... **NO**
5. Were custody papers filled out properly (ink, signed, etc.)? ..... **YES**
6. Did you sign custody papers in the appropriate place? ..... **YES**
7. If required, was enough cooling material present? ..... **NO**
8. Have designated person initial here to acknowledge receipt of cooler: _____

B. LOG-IN PHASE: Date samples were logged-in: **9/24/2007 8:25AM**

Logged-in by Zoriah Weith (sign) _____

9. Describe type of packing in cooler:

   ICE/WATER

10. Were all bottles sealed in separate plastic bags? ..... **NO**
11. Were labels in good condition? ..... **YES**
12. Were all bottle labels complete (ID,date,time signature,preservative,etc.)? ..... **YES**
13. Did all bottle labels agree with custody papers? ..... **YES**
14. Were correct containers used for the tests indicated? ..... **YES**
15. Were the correct pHs observed? ..... **YES**
16. Was a sufficient amount of sample sent for tests indicated? ..... **YES**
17. Were bubbles absent in VOA samples? ..... **YES**
18. Temperatures: 7.7

DISCREPANCIES: Client was notified of temp. Lab was instructed to proceed with analysis KWG 9/24/07

Cooler Receipt Form
Laucks Testing Laboratories, Inc.

SDG: CAB39 Taken By: CLIENT

Cooler: AAD695 Transferred: CLIENT

COC #: 44360

Project: Camp Bonneville (PBS Engineering and Environmental)

Date samples were received at the laboratory: 9/24/2007

Date cooler was opened: 9/24/2007 8:15AM

A. PRELIMINARY EXAMINATION PHASE:

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   if YES, record carrier name and airbill number: 8624 5384 7391
2. Were custody seals unbroken and intact at the date and time of arrival? ..... INTACT
   Date On Custody Seal: Custody Seals Description: ONE IN FRONT.
3. Were custody papers sealed in a plastic bag and taped inside to the lid? ..... YES
4. Did you screen samples for radioactivity using the Geiger Counter? ..... NO
5. Were custody papers filled out properly (ink, signed, etc.)? ..... YES
6. Did you sign custody papers in the appropriate place? ..... YES
7. If required, was enough cooling material present? ..... NO
8. Have designated person initial here to acknowledge receipt of cooler: _____

B. LOG-IN PHASE:

Date samples were logged-in: 9/24/2007 8:25AM

Logged-in by Zoriah Weith (sign) _____

9. Describe type of packing in cooler:

   ICE/WATER

10. Were all bottles sealed in separate plastic bags? ..... NO
11. Were labels in good condition? ..... YES
12. Were all bottle labels complete (ID,date,time signature,preservative,etc.)? ..... YES
13. Did all bottle labels agree with custody papers? ..... YES
14. Were correct containers used for the tests indicated? ..... YES
15. Were the correct pHs observed? ..... YES
16. Was a sufficient amount of sample sent for tests indicated? ..... YES
17. Were bubbles absent in VOA samples? ..... YES
18. Temperatures: 7.7

DISCREPANCIES: Client was notified of temp
Lab was instructed to proceed
with analysis KWG 9/24/07

Supplemental Sample Receipt Log
Laucks Testing Laboratories

SDG: CAB39
Cooler: AAD695
Temperatures: 7.7
COC #: 44360

Sample	Bottle #	Bottle Description	pH	Bubbles
CAB39-001	0001	1000 mL boston round, amber glass	7	N/A
	0002	1000 mL boston round, amber glass	7	N/A
	0003	1000 mL boston round, amber glass	7	N/A
	0004	1000 mL boston round, amber glass	7	N/A
	0005	40 ml OTWS, clear glass, HCl	N/C	None
	0006	40 ml OTWS, clear glass, HCl	N/C	None
	0007	40 ml OTWS, clear glass, HCl	N/C	None
	0008	500 ml cylinder, poly	7	N/A
CAB39-002	0001	40 ml OTWS, clear glass, HCl	N/C	None
CAB39-003	0006	40 ml OTWS, clear glass, HCl	N/C	None
	0007	40 ml OTWS, clear glass, HCl	N/C	None
	0008	40 ml OTWS, clear glass, HCl	N/C	None
CAB39-004	0006	40 ml OTWS, clear glass, HCl	N/C	None
	0007	40 ml OTWS, clear glass, HCl	N/C	None
	0008	40 ml OTWS, clear glass, HCl	N/C	None
CAB39-005	0001	1000 mL boston round, amber glass	7	N/A
	0002	1000 mL boston round, amber glass	7	N/A
	0003	1000 mL boston round, amber glass	7	N/A
	0004	1000 mL boston round, amber glass	7	N/A
	0005	40 ml OTWS, clear glass, HCl	N/C	None
	0006	40 ml OTWS, clear glass, HCl	N/C	None
	0007	40 ml OTWS, clear glass, HCl	N/C	None
	0008	500 ml cylinder, poly	7	N/A

Allowable temperature and pH ranges (neutral pH defined as a value between 5 and 9)

Temperature	Allowable temperature range is 4+/- 2 degrees Celsius
Acid Preserved pH	pH must be less than 2
Base Preserved pH	pH must be greater than 12
NC	Not Checked for pH

Supplemental Sample Receipt Log
Laucks Testing Laboratories

SDG: CAB39
Cooler: AAD758
Temperatures: 5.1
COC #: 44361

Sample	Bottle #	Bottle Description	pH	Bubbles
CAB39-003	0001	1000 mL boston round, amber glass	7	N/A
	0002	1000 mL boston round, amber glass	7	N/A
	0003	1000 mL boston round, amber glass	7	N/A
	0004	1000 mL boston round, amber glass	7	N/A
	0005	500 ml cylinder, poly	7	N/A
CAB39-004	0001	1000 mL boston round, amber glass	7	N/A
	0002	1000 mL boston round, amber glass	7	N/A
	0003	1000 mL boston round, amber glass	7	N/A
	0004	1000 mL boston round, amber glass	7	N/A
	0005	500 ml cylinder, poly	7	N/A

Allowable temperature and pH ranges (neutral pH defined as a value between 5 and 9)

Temperature	Allowable temperature range is 4+/- 2 degrees Celsius
Acid Preserved pH	pH must be less than 2
Base Preserved pH	pH must be greater than 12
NC	Not Checked for pH

LAUCKS TESTING LABORATORIES
940 S. Harney
Seattle, WA 98108

ATTACHMENT B

Index

LAUCKS TESTING LABORATORIES
940 S. Harney
Seattle, WA 98108

PBS Engineering & Environmental

SDG No.: CAB39

I. Narrative: 2-7

II. Chain-of-Custody: 8-15

III. Index: 16-17

IV. Forms Summary: SUM- 1-109

Completed and checked by: Judy Eckland Date: 11/12/07

FORMS SUMMARY

SDG CAB39

VOLATILES ANALYSIS

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Laucks Testing Labs Contract:

SDG No.: CAB39 Run Sequence: R022181

Level: (LOW/MED) NONE

CLIENT SAMPLE NUMBER	SMC1 (DBF) #	SMC2 (DCA) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
(CAB39-003) 16L4MW03AW	104	105	99	110	0
(CAB39-001) 16L4MW04AW	105	105	99	110	0
(CAB39-002) TRIP BLANK	103	102	100	111	0
(B100507MVOWM1) B100507MVOWM1	102	101	100	111	0
(S100507MVOWM1) S100507MVOWM1	98	98	99	95	0

		QC LIMITS
SMC1 (DBF) =	Dibromofluoromethane	85-115
SMC2 (DCA) =	1,2-Dichloroethane-d4	70-120
SMC3 (TOL) =	Toluene-d8	85-120
SMC4 (BFB) =	4-Bromofluorobenzene	75-120

Column to be used to flag recovery values
* Values outside of contract required QC limits

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Laucks Testing Labs Contract:

SDG No.: CAB39 Run Sequence: R022192

Level: (LOW/MED) NONE

CLIENT SAMPLE NUMBER	SMC1 (DBF) #	SMC2 (DCA) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
(CAB39-005) 16L4MW03AW	104	106	101	112	0
(CAB39-004) 16L4MW03BW	101	104	103	110	0
(B100507MVOWM1) B100507MVOWM1	101	98	101	111	0
(S100507MVOWM2) S100507MVOWM2	98	102	99	94	0

		QC LIMITS
SMC1 (DBF) =	Dibromofluoromethane	85-115
SMC2 (DCA) =	1,2-Dichloroethane-d4	70-120
SMC3 (TOL) =	Toluene-d8	85-120
SMC4 (BFB) =	4-Bromofluorobenzene	75-120

Column to be used to flag recovery values
* Values outside of contract required QC limits

3B
WATER VOLATILE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R022181 SDG No.: CAB39

BS Lab Sample ID: S100507MVOWM1

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
Dichlorodifluoromethane	50.0	42.08	84	30-155
Chloromethane	50.0	46.27	93	40-125
Vinyl chloride	50.0	51.38	103	50-145
Bromomethane	50.0	51.24	102	30-145
Chloroethane	50.0	50.98	102	60-135
Trichlorofluoromethane	50.0	49.92	100	60-145
1,1-Dichloroethene	50.0	51.4	103	70-130
Acetone	50.0	52.74	105	40-140
Carbon disulfide	50.0	62.22	124	35-160
Methylene chloride	50.0	48.58	97	55-140
trans-1,2-Dichloroethene	50.0	52.02	104	60-140
1,1-Dichloroethane	50.0	52.19	104	70-135
cis-1,2-Dichloroethene	50.0	52.23	104	70-125
2-Butanone	50.0	53	106	30-150
Chloroform	50.0	47.3	95	65-135
1,1,1-Trichloroethane	50.0	52.06	104	65-130
Carbon tetrachloride	50.0	51.36	103	65-140
Benzene	50.0	48.05	96	80-120
1,2-Dichloroethane	50.0	47.4	95	70-130
Trichloroethene	50.0	48.41	97	70-125
1,2-Dichloropropane	50.0	48.84	98	75-125
Bromodichloromethane	50.0	49.1	98	75-120
cis-1,3-Dichloropropene	50.0	45.64	91	70-130
4-Methyl-2-pentanone	50.0	47.16	94	60-135
Toluene	50.0	46.61	93	75-120
trans-1,3-Dichloropropene	50.0	51.26	103	55-140
1,1,2-Trichloroethane	50.0	45.18	90	75-125
Tetrachloroethene	50.0	49.04	98	45-150
2-Hexanone	50.0	46.73	93	55-130
Dibromochloromethane	50.0	52.06	104	60-135
Chlorobenzene	50.0	46.53	93	80-120
Ethylbenzene	50.0	50.5	101	75-125
m,p-Xylene	100	96.13	96	75-130
o-Xylene	50.0	48.31	97	80-120

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

Spike Recovery: 0 out of 37 outside limits

COMMENTS:

3B
WATER VOLATILE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R022181 SDG No.: CAB39

BS Lab Sample ID: S100507MVOWM1

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
Styrene	50.0	46.57	93	65-135
Bromoform	50.0	47.71	95	70-130
1,1,2,2-Tetrachloroethane	50.0	43.93	88	65-130

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

Spike Recovery: 0 out of 37 outside limits

COMMENTS:

3B
WATER VOLATILE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R022192 SDG No.: CAB39

BS Lab Sample ID: S100507MVOWM2

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
Dichlorodifluoromethane	50.0	30.37	61	30-155
Chloromethane	50.0	36.38	73	40-125
Vinyl chloride	50.0	41.08	82	50-145
Bromomethane	50.0	44.04	88	30-145
Chloroethane	50.0	43.37	87	60-135
Trichlorofluoromethane	50.0	43.31	87	60-145
1,1-Dichloroethene	50.0	45.11	90	70-130
Acetone	50.0	47.32	95	40-140
Carbon disulfide	50.0	54.52	109	35-160
Methylene chloride	50.0	43.98	88	55-140
trans-1,2-Dichloroethene	50.0	45.38	91	60-140
1,1-Dichloroethane	50.0	45.56	91	70-135
cis-1,2-Dichloroethene	50.0	46.04	92	70-125
2-Butanone	50.0	48.65	97	30-150
Chloroform	50.0	41.62	83	65-135
1,1,1-Trichloroethane	50.0	45.41	91	65-130
Carbon tetrachloride	50.0	45.12	90	65-140
Benzene	50.0	42.27	85	80-120
1,2-Dichloroethane	50.0	43	86	70-130
Trichloroethene	50.0	42.39	85	70-125
1,2-Dichloropropane	50.0	42.69	85	75-125
Bromodichloromethane	50.0	43.54	87	75-120
cis-1,3-Dichloropropene	50.0	41.81	84	70-130
4-Methyl-2-pentanone	50.0	43.51	87	60-135
Toluene	50.0	41.82	84	75-120
trans-1,3-Dichloropropene	50.0	48.61	97	55-140
1,1,2-Trichloroethane	50.0	41.2	82	75-125
Tetrachloroethene	50.0	44.08	88	45-150
2-Hexanone	50.0	45.27	91	55-130
Dibromochloromethane	50.0	47.51	95	60-135
Chlorobenzene	50.0	41.78	84	80-120
Ethylbenzene	50.0	45.43	91	75-125
m,p-Xylene	100	86.29	86	75-130
o-Xylene	50.0	43.27	87	80-120

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

Spike Recovery: 0 out of 37 outside limits

COMMENTS:

3B
WATER VOLATILE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R022192 SDG No.: CAB39

BS Lab Sample ID: S100507MVOWM2

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
Styrene	50.0	42.06	84	65-135
Bromoform	50.0	44.61	89	70-130
1,1,2,2-Tetrachloroethane	50.0	41.4	83	65-130

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

Spike Recovery: 0 out of 37 outside limits

COMMENTS:

4

VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

B100507MVOWM1

Lab Name Laucks Testing Labs Contract:

SDG No.: CAB39

Lab File ID: M1004049.D Lab Sample ID: B100507MVOWM1

Date Analyzed: 10/05/2007 Time Analyzed: 04:30

GC Column: ZB-624 20m ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: 5973M Moby Matrix: Water

	CLIENT SAMPLE NO.	LAB SAMPLE ID.	LAB FILE ID.	DATE ANALYZED	TIME ANALYZED	RUN SEQUENCE
01	S100507MVOWM1	S100507MVOWM1	M1004046.D	10/05/2007	03:10	R022181
02	TRIP BLANK	CAB39-002	M1004057.D	10/05/2007	08:05	R022181
03	16L4MW04AW	CAB39-001	M1004066.D	10/05/2007	12:06	R022181
04	16L4MW03AW	CAB39-003	M1004067.D	10/05/2007	12:32	R022181
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COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

B100507MVOWM1

Lab Name: Laucks Testing Labs Contract:

SDG No.: CAB39

Lab File ID: M1005007.D Lab Sample ID: B100507MVOWM1

Date Analyzed: 10/05/2007 Time Analyzed: 16:03

GC Column: ZB-624 20m ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: 5973M Moby Matrix: Water

	CLIENT SAMPLE NO.	LAB SAMPLE ID.	LAB FILE ID.	DATE ANALYZED	TIME ANALYZED	RUN SEQUENCE
01	S100507MVOWM2	S100507MVOWM2	M1005004.D	10/05/2007	14:44	R022192
02	16L4MW03BW	CAB39-004	M1005010.D	10/05/2007	17:23	R022192
03	16L4MW03AW	CAB39-005	M1005011.D	10/05/2007	17:50	R022192
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COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

CLIENT SAMPLE NO.

BFBM4

Lab Name: Laucks Testing Labs Contract:

Run Sequence: CAL1140 SDG No.: CAB39

Lab File ID: M0927019.D BFB Injection Date: 09/27/2007

Instrument ID: 5973M Moby BFB Injection Time: 12:37

GC Column ZB-624 20m ID: 0.18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15% to 40% of mass 95	17.1
75	30% to 60% of mass 95	47
95	base peak, 100% relative abundance	100
96	5% to 9% of mass 95	6.8
173	less than 2% of mass 174	0.7()1
174	greater than 50% of mass 95	93.9
175	5% to 9% of mass 17	7.5()1
176	greater than 95%, but less than 101% of mass 174	95.6()1
177	5% to 9% of mass 176	7.1()2

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

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0.3	VSTD0.3	M0927021.D	09/27/2007	13:56
02	VSTD0.5	VSTD0.5	M0927022.D	09/27/2007	14:23
03	VSTD001	VSTD001	M0927023.D	09/27/2007	14:50
04	VSTD005	VSTD005	M0927024.D	09/27/2007	15:17
05	VSTD010	VSTD010	M0927025.D	09/27/2007	15:44
06	VSTD050	VSTD050	M0927026.D	09/27/2007	16:11
07	VSTD100	VSTD100	M0927027.D	09/27/2007	16:37
08	VSTD200	VSTD200	M0927028.D	09/27/2007	17:04
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CLIENT SAMPLE NO.

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

BFBM3

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022181 SDG No.: CAB39

Lab File ID: M1004044.D BFB Injection Date: 10/05/2007

Instrument ID: 5973M Moby BFB Injection Time: 02:16

GC Column ZB-624 20m ID: 0.18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15% to 40% of mass 95	17.6
75	30% to 60% of mass 95	45.9
95	base peak, 100% relative abundance	100
96	5% to 9% of mass 95	6.7
173	less than 2% of mass 174	0.6()1
174	greater than 50% of mass 95	93.2
175	5% to 9% of mass 17	7.3()1
176	greater than 95%, but less than 101% of mass 174	96.4()1
177	5% to 9% of mass 176	6.9()2

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

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050M3	VSTD050M3	M1004045.D	10/05/2007	02:43
02	S100507MVOWM1	S100507MVOWM1	M1004046.D	10/05/2007	03:10
03	B100507MVOWM1	B100507MVOWM1	M1004049.D	10/05/2007	04:30
04	TRIP BLANK	CAB39-002	M1004057.D	10/05/2007	08:05
05	16L4MW04AW	CAB39-001	M1004066.D	10/05/2007	12:06
06	16L4MW03AW	CAB39-003	M1004067.D	10/05/2007	12:32
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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

CLIENT SAMPLE NO.

BFB/VSTD050M1

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022192 SDG No.: CAB39

Lab File ID: M1005003.D BFB Injection Date: 10/05/2007

Instrument ID: 5973M Moby BFB Injection Time: 14:11

GC Column ZB-624 20m ID: 0.18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15% to 40% of mass 95	16.4
75	30% to 60% of mass 95	46.2
95	base peak, 100% relative abundance	100
96	5% to 9% of mass 95	6.9
173	less than 2% of mass 174	0.5()1
174	greater than 50% of mass 95	102.2
175	5% to 9% of mass 17	7()1
176	greater than 95%, but less than 101% of mass 174	96.9()1
177	5% to 9% of mass 176	6.8()2

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

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050M1	VSTD050M1	M1005003a.d	10/05/2007	14:11
02	S100507MVOWM2	S100507MVOWM2	M1005004.D	10/05/2007	14:44
03	B100507MVOWM1	B100507MVOWM1	M1005007.D	10/05/2007	16:03
04	16L4MW03BW	CAB39-004	M1005010.D	10/05/2007	17:23
05	16L4MW03AW	CAB39-005	M1005011.D	10/05/2007	17:50
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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022181 SDG No.: CAB39

Client Sample No.(VSTD050##): VSTD050M3 Date Analyzed: 10/05/2007

Lab File ID (Standard): M1004045.D Time Analyzed: 02:43

Instrument ID: 5973M Moby Heated Purge: (Y/N) N

GC Column: ZB-624 20m ID: 0.18 (mm)

		IS1 (FBZ) AREA	#	RT	#	IS2 (CBZ) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD	679566		6.43		428398		9.58		251287		11.89	
	UPPER LIMIT	1359132		6.93		856796		10.08		502574		12.39	
	LOWER LIMIT	339783		5.93		214199		9.08		125643.5		11.39	
	CLIENT SAMPLE NO.												
01	S100507MVOWM1	710879		6.43		433387		9.58		249938		11.89	
02	B100507MVOWM1	569936		6.43		326913		9.58		147763		11.89	
03	TRIP BLANK	513446		6.43		296607		9.58		128486		11.89	
04	16L4MW04AW	500753		6.43		290916		9.58		127013		11.89	
05	16L4MW03AW	504673		6.43		292766		9.58		127673		11.89	
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IS1 (FBZ) = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022192 SDG No.: CAB39

Client Sample No.(VSTD050##): VSTD050M1 Date Analyzed: 10/05/2007

Lab File ID (Standard): M1005003a.d Time Analyzed: 14:11

Instrument ID: 5973M Moby Heated Purge: (Y/N) N

GC Column: ZB-624 20m ID: 0.18 (mm)

		IS1 (FBZ) AREA	#	RT	#	IS2 (CBZ) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD	673299		6.43		412666		9.58		233601		11.89	
	UPPER LIMIT	1346598		6.93		825332		10.08		467202		12.39	
	LOWER LIMIT	336649.5		5.93		206333		9.08		116800.5		11.39	
	CLIENT SAMPLE NO.												
01	S100507MVOWM2	780189		6.43		466309		9.58		271452		11.89	
02	B100507MVOWM1	547460		6.43		303960		9.58		131330		11.89	
03	16L4MW03BW	518915		6.43		286567		9.58		125063		11.89	
04	16L4MW03AW	515398		6.43		289265		9.58		125078		11.89	
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IS1 (FBZ) = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW04AW

Lab Name: _____ Contract: _____

SDG No.: CAB39 Run Sequence: R022181

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB39-001

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1004066.D

Level: (LOW/MED) _____ Date Collected: 09/21/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/05/2007 12:06

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW04AW

Lab Name: _____ Contract: _____

SDG No.: CAB39 Run Sequence: R022181

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB39-001

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1004066.D

Level: (LOW/MED) _____ Date Collected: 09/21/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/05/2007 12:06

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
179601-23	m,p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

Comments:

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VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK

Lab Name: _____ Contract: _____

SDG No.: CAB39 Run Sequence: R022181

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB39-002

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1004057.D

Level: (LOW/MED) _____ Date Collected: 09/21/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/05/2007 08:05

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK

Lab Name: _____ Contract: _____

SDG No.: CAB39 Run Sequence: R022181

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB39-002

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1004057.D

Level: (LOW/MED) _____ Date Collected: 09/21/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/05/2007 08:05

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
179601-23	m,p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

Comments:

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW03AW

Lab Name: _____ Contract: _____

SDG No.: CAB39 Run Sequence: R022181

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB39-003

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1004067.D

Level: (LOW/MED) _____ Date Collected: 09/21/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/05/2007 12:32

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW03AW

Lab Name: _____ Contract: _____

SDG No.: CAB39 Run Sequence: R022181

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB39-003

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1004067.D

Level: (LOW/MED) _____ Date Collected: 09/21/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/05/2007 12:32

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
179601-23	m,p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

Comments:

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW03BW

Lab Name: _____ Contract: _____

SDG No.: CAB39 Run Sequence: R022192

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB39-004

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1005010.D

Level: (LOW/MED) _____ Date Collected: 09/21/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/05/2007 17:23

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	1.7	J
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW03BW

Lab Name: _____ Contract: _____

SDG No.: CAB39 Run Sequence: R022192

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB39-004

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1005010.D

Level: (LOW/MED) _____ Date Collected: 09/21/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/05/2007 17:23

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
179601-23	m,p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

Comments:

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW03AW

Lab Name: _____ Contract: _____

SDG No.: CAB39 Run Sequence: R022192

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB39-005

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1005011.D

Level: (LOW/MED) _____ Date Collected: 09/21/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/05/2007 17:50

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	0.41	J
591-78-6	2-Hexanone	5.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW03AW

Lab Name: _____ Contract: _____

SDG No.: CAB39 Run Sequence: R022192

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB39-005

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1005011.D

Level: (LOW/MED) _____ Date Collected: 09/21/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/05/2007 17:50

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
179601-23	m,p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

Comments:

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022192 SDG No.: CAB39

Instrument ID: 5973M Moby Calibration Dates: 09/27/2007 17:04

Heated Purge: (Y/N) N Calibration Times: 09/27/2007 17:04

GC Column: ZB-624 20m ID: 0.18 (mm) Mean % RSD: 7.83

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8	$\overline{RF}$	%RSD	r^2 COD	Eq Ty
Dichlorodifluoromethane	0.3		0.5	4.800E-02	1	1.200E-01	5	1.170E-01	10	1.310E-01	50	1.390E-01	100	1.289E-01	200	1.369E-01	0.117		0.999	L
Chloromethane	0.3		0.5	2.070E-01	1	2.579E-01	5	2.500E-01	10	2.310E-01	50	2.220E-01	100	2.160E-01	200	2.140E-01	0.228	8.44		A
Vinyl chloride	0.3		0.5	1.550E-01	1	2.440E-01	5	2.280E-01	10	2.380E-01	50	2.319E-01	100	2.300E-01	200	2.420E-01	0.224	13.93		A
Bromomethane	0.3		0.5	1.080E-01	1	1.540E-01	5	1.380E-01	10	1.400E-01	50	1.360E-01	100	1.390E-01	200	1.330E-01	0.135	10.13		A
Chloroethane	0.3		0.5	1.380E-01	1	1.750E-01	5	1.570E-01	10	1.540E-01	50	1.490E-01	100	1.490E-01	200	1.470E-01	0.153	7.54		A
Trichlorofluoromethane	0.3		0.5	1.230E-01	1	2.879E-01	5	2.800E-01	10	2.930E-01	50	3.089E-01	100	3.080E-01	200	3.290E-01	0.276		0.999	L
1,1-Dichloroethene	0.3		0.5	2.800E-01	1	2.280E-01	5	2.440E-01	10	2.360E-01	50	2.380E-01	100	2.389E-01	200	2.480E-01	0.245	6.79		A
Acetone	0.3		5	4.400E-02	10	3.999E-02	50	3.400E-02	100	3.200E-02	200	3.200E-02					0.036	15.17		A
Carbon disulfide	0.3		0.5	4.690E-01	1	4.580E-01	5	5.580E-01	10	5.709E-01	50	6.039E-01	100	5.770E-01	200	6.480E-01	0.555	12.42		A
Methylene chloride	0.3		0.5	2.385E+00	1	1.131E+00	5	4.530E-01	10	3.770E-01	50	2.860E-01	100	2.739E-01	200	2.780E-01	0.741		1.000	L
trans-1,2-Dichloroethene	0.3		0.5	2.840E-01	1	2.960E-01	5	3.160E-01	10	3.120E-01	50	3.330E-01	100	3.310E-01	200	3.529E-01	0.318	7.38		A
1,1-Dichloroethane	0.3		0.5	5.730E-01	1	5.249E-01	5	5.230E-01	10	5.130E-01	50	5.230E-01	100	5.120E-01	200	5.270E-01	0.528	3.88		A
cis-1,2-Dichloroethene	0.3		0.5	2.930E-01	1	2.840E-01	5	3.120E-01	10	3.140E-01	50	3.420E-01	100	3.370E-01	200	3.529E-01	0.319	8.04		A
2-Butanone	0.3		5	4.800E-02	10	4.899E-02	50	5.799E-02	100	5.999E-02	200	6.199E-02					0.056	11.88		A
Chloroform	0.3	6.269E-01	0.5	5.920E-01	1	5.249E-01	5	5.140E-01	10	4.939E-01	50	5.099E-01	100	4.910E-01	200	5.030E-01	0.532	9.38		A
1,1,1-Trichloroethane	0.3		0.5	3.759E-01	1	3.580E-01	5	4.100E-01	10	4.059E-01	50	4.330E-01	100	4.190E-01	200	4.269E-01	0.404	6.83		A
Carbon tetrachloride	0.3		0.5	3.919E-01	1	3.689E-01	5	3.720E-01	10	3.759E-01	50	4.009E-01	100	3.930E-01	200	4.100E-01	0.388	4.08		A
Benzene	0.3	1.334E+00	0.5	1.375E+00	1	1.321E+00	5	1.370E+00	10	1.345E+00	50	1.403E+00	100	1.376E+0	200	1.396E+00	1.365	2.13		A
1,2-Dichloroethane	0.3		0.5	3.529E-01	1	3.030E-01	5	3.160E-01	10	3.100E-01	50	3.150E-01	100	3.010E-01	200	2.980E-01	0.314	5.88		A
Trichloroethene	0.3		0.5	3.429E-01	1	3.140E-01	5	3.330E-01	10	3.310E-01	50	3.680E-01	100	3.660E-01	200	3.790E-01	0.348	6.78		A
1,2-Dichloropropane	0.3		0.5	2.700E-01	1	2.920E-01	5	2.940E-01	10	2.870E-01	50	3.070E-01	100	2.969E-01	200	2.949E-01	0.292	3.93		A
Bromodichloromethane	0.3		0.5	3.160E-01	1	3.010E-01	5	3.230E-01	10	3.199E-01	50	3.450E-01	100	3.400E-01	200	3.440E-01	0.327	5.07		A
cis-1,3-Dichloropropene	0.3		0.5	2.440E-01	1	2.540E-01	5	3.190E-01	10	3.510E-01	50	4.180E-01	100	4.160E-01	200	4.230E-01	0.347		1.000	Q
4-Methyl-2-pentanone	0.3		1	3.900E-02	5	7.199E-02	10	1.060E-01	50	1.230E-01	100	1.260E-01	200	1.330E-01			0.100		1.000	Q

SUM - 25

Eq Ty = Equation Type
Q=Quadratic, L=Linear, A=Average

* SPCCs #

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022192 SDG No.: CAB39

Instrument ID: 5973M Moby Calibration Dates: 09/27/2007 17:04

Heated Purge: (Y/N) N Calibration Times: 09/27/2007 17:04

GC Column: ZB-624 20m ID: 0.18 (mm) Mean % RSD: 7.83

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8	$\overline{RF}$	%RSD	r^2 COD	Eq Ty
Toluene	0.3		0.5	1.419E+00	1	1.324E+00	5	1.342E+00	10	1.308E+00	50	1.318E+00	100	1.264E+0	200	1.227E+00	1.314	4.60		A
trans-1,3-Dichloropropene	0.3		0.5	4.059E-01	1	3.720E-01	5	4.140E-01	10	4.410E-01	50	5.220E-01	100	5.159E-01	200	5.050E-01	0.454	13.33		A
1,1,2-Trichloroethane	0.3		0.5	3.220E-01	1	3.310E-01	5	3.240E-01	10	3.170E-01	50	3.140E-01	100	3.000E-01	200	2.960E-01	0.315	4.03		A
Tetrachloroethene	0.3		0.5	5.569E-01	1	5.080E-01	5	5.360E-01	10	5.370E-01	50	5.519E-01	100	5.350E-01	200	5.400E-01	0.538	2.88		A
2-Hexanone	0.3		1	6.300E-02	5	8.299E-02	10	9.600E-02	50	1.180E-01	100	1.240E-01	200	1.289E-01			0.102		1.000	Q
Dibromochloromethane	0.3		0.5	2.770E-01	1	2.669E-01	5	3.089E-01	10	3.129E-01	50	3.459E-01	100	3.429E-01	200	3.510E-01	0.315	10.77		A
Chlorobenzene	0.3		0.5	1.406E+00	1	1.268E+00	5	1.262E+00	10	1.210E+00	50	1.230E+00	100	1.207E+0	200	1.232E+00	1.259	5.45		A
Ethylbenzene	0.3		0.5	1.692E+00	1	1.724E+00	5	2.033E+00	10	2.056E+00	50	2.217E+00	100	2.211E+0	200	2.250E+00	2.027	11.49		A
m,p-Xylene	0.3		1	6.090E-01	2	6.100E-01	10	8.069E-01	20	8.069E-01	100	8.880E-01	200	8.930E-01	400	9.350E-01	0.793		1.000	Q
o-Xylene	0.3		0.5	4.720E-01	1	5.159E-01	5	6.539E-01	10	6.940E-01	50	8.119E-01	100	8.150E-01	200	8.610E-01	0.689		1.000	Q
Styrene	0.3		0.5	7.350E-01	1	7.699E-01	5	1.191E+00	10	1.210E+00	50	1.397E+00	100	1.423E+0	200	1.539E+00	1.181		1.000	Q
Bromoform	0.3		0.5	1.530E-01	1	1.430E-01	5	1.620E-01	10	1.630E-01	50	2.029E-01	100	2.110E-01	200	2.319E-01	0.181		1.000	Q
1,1,2,2-Tetrachloroethane	0.3		0.5	7.229E-01	1	6.740E-01	5	6.330E-01	10	5.970E-01	50	5.830E-01	100	5.580E-01	200	5.569E-01	0.618	10.08		A
Dibromofluoromethane	25	2.450E-01	25	2.500E-01	30	2.430E-01	35	2.440E-01	40	2.450E-01	45	2.420E-01	50	2.450E-01			0.245	0.91		A
1,2-Dichloroethane-d4	25	2.070E-01	25	2.099E-01	25	2.130E-01	30	2.060E-01	35	2.060E-01	40	2.060E-01	45	2.010E-01	50	2.000E-01	0.206	2.12		A
Toluene-d8	25	1.570E+00	25	1.580E+00	25	1.595E+00	30	1.616E+00	35	1.597E+00	40	1.530E+00	45	1.465E+0	50	1.373E+00	1.541	5.39		A
4-Bromofluorobenzene	25	7.820E-01	25	7.870E-01	25	7.979E-01	30	7.829E-01	35	7.749E-01	40	7.649E-01	45	7.559E-01	50	7.680E-01	0.777	1.73		A

SUM - 26

Eq Ty = Equation Type
Q=Quadratic, L=Linear, A=Average

* SPCCs #

INITIAL
SECOND SOURCE CALIBRATION VERIFICATION

Lab Name: Laucks Testing Laboratories, Inc. Initial Calibration ID: M8260W-092707

Instrument ID: 5973M Moby Concentration Units: ug/L

2nd Source ID: ICV092707MVOWM1

Analyte	Equation Type	Expected	Found	%D
1,1,1,2-Tetrachloroethane	A	50.00	48.95	2.10
1,1,1-Trichloroethane	A	50.00	46.78	6.44
1,1,2,2-Tetrachloroethane	A	50.00	45.21	9.58
1,1,2-Trichloroethane	A	50.00	46.97	6.06
1,1-Dichloroethane	A	50.00	44.72	10.56
1,1-Dichloroethene	A	50.00	36.15	27.70
1,1-Dichloropropene	A	50.00	48.52	2.96
1,2,3-Trichlorobenzene	Q	50.00	46.78	6.44
1,2,3-Trichloropropane	A	50.00	44.81	10.38
1,2,4-Trichlorobenzene	Q	50.00	47.63	4.74
1,2,4-Trimethylbenzene	Q	50.00	46.46	7.08
1,2-Dibromo-3-chloropropane	A	50.00	51.49	2.98
1,2-Dibromoethane	A	50.00	50.00	0.00
1,2-Dichlorobenzene	A	50.00	49.79	0.42
1,2-Dichloroethane	A	50.00	43.51	12.98
1,2-Dichloroethane-d4	A	25.00	22.99	8.04
1,2-Dichloropropane	A	50.00	46.44	7.12
1,3,5-Trimethylbenzene	Q	50.00	46.78	6.44
1,3-Dichlorobenzene	A	50.00	49.94	0.12
1,3-Dichloropropane	A	50.00	48.73	2.54
1,4-Dichlorobenzene	A	50.00	48.46	3.08
1-Chlorohexane	L	50.00	50.47	0.94
2,2-Dichloropropane	A	50.00	48.95	2.10
2-Butanone	A	50.00	49.76	0.48
2-Chlorotoluene	A	50.00	49.59	0.82
2-Hexanone	Q	50.00	47.75	4.50
4-Bromofluorobenzene	A	25.00	23.30	6.80
4-Chlorotoluene	A	50.00	51.22	2.44
4-Isopropyltoluene	Q	50.00	47.60	4.80
4-Methyl-2-pentanone	Q	50.00	47.01	5.98
Acetone	A	50.00	42.16	15.68
Benzene	A	50.00	43.49	13.02
Bromobenzene	A	50.00	46.44	7.12
Bromochloromethane	A	50.00	48.67	2.66
Bromodichloromethane	A	50.00	48.29	3.42
Bromoform	Q	50.00	51.00	2.00
Bromomethane	A	50.00	49.80	0.40
Carbon disulfide	A	50.00	63.09	26.18
Carbon tetrachloride	A	50.00	45.25	9.50
Chlorobenzene	A	50.00	47.49	5.02
Chloroethane	A	50.00	48.09	3.82
Chloroform	A	50.00	43.60	12.80
Chloromethane	A	50.00	42.68	14.64

NDL 10/30/07

INITIAL
SECOND SOURCE CALIBRATION VERIFICATION

Lab Name: Laucks Testing Laboratories, Inc. Initial Calibration ID: M8260W-092707

Instrument ID: 5973M Moby Concentration Units: ug/L

2nd Source ID: ICV092707MVOWM1

Analyte	Equation Type	Expected	Found	%D
cis-1,2-Dichloroethene	A	50.00	48.67	2.66
cis-1,3-Dichloropropene	Q	50.00	46.95	6.10
Dibromochloromethane	A	50.00	55.64	11.28
Dibromofluoromethane	A	25.00	24.05	3.80
Dibromomethane	A	50.00	48.43	3.14
Dichlorodifluoromethane	L	50.00	41.97	16.06
Ethyl-t-Butyl Ether(ETBE)	A	50.00	56.80	13.60
Ethylbenzene	A	50.00	50.23	0.46
Hexachlorobutadiene	A	50.00	47.43	5.14
Isopropyl ether	A	50.00	55.68	11.36
Isopropylbenzene	Q	50.00	50.39	0.78
m,p-Xylene	Q	100.00	96.37	3.63
Methyl tert-butyl ether	A	50.00	61.04	22.08
Methylene chloride	L	50.00	41.18	17.64
n-Butylbenzene	Q	50.00	46.24	7.52
n-Propylbenzene	A	50.00	54.21	8.42
Naphthalene	Q	50.00	46.87	6.26
o-Xylene	Q	50.00	49.02	1.96
sec-Butylbenzene	Q	50.00	49.27	1.46
Styrene	Q	50.00	47.49	5.02
t-Amyl Methyl Ether(TAME)	A	50.00	53.96	7.92
t-Butyl Alcohol	A	500.00	494.37	1.13
tert-Butylbenzene	Q	50.00	48.63	2.74
Tetrachloroethene	A	50.00	49.53	0.94
Toluene	A	50.00	45.72	8.56
Toluene-d8	A	25.00	24.52	1.92
trans-1,2-Dichloroethene	A	50.00	44.50	11.00
trans-1,3-Dichloropropene	A	50.00	54.07	8.14
Trichloroethene	A	50.00	46.48	7.04
Trichlorofluoromethane	L	50.00	46.57	6.86
Vinyl chloride	A	50.00	48.02	3.96

Q=Quadratic, L=Linear, A=Average

7

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022181 SDG No.: CAB39

Instrument ID: 5973M Moby Calibration Date: 10/05/2007 Time: 02:43

Lab File ID: M1004045.D Init. Calib. Date(s): 09/27/2007

Client Sample No.: VSTD050M3 Init. Calib. Time(s): 12:37

Heated Purge: (Y/N) N GC Column: ZB-624 20m ID: 0.18 (mm)

Compound	Equation Type	RF 50.0	%D	%Drift
Dichlorodifluoromethane	L	0.158		17.42
Chloromethane	A	0.224	1.65	
Vinyl chloride	A	0.230	-2.78	
Bromomethane	A	0.133	1.37	
Chloroethane	A	0.148	3.41	
Trichlorofluoromethane	L	0.304		-4.12
1,1-Dichloroethene	A	0.225	8.32	
Acetone	A	0.037	-3.39	
Carbon disulfide	A	0.614	-10.57	
Methylene chloride	L	0.264		-9.24
trans-1,2-Dichloroethene	A	0.311	2.12	
1,1-Dichloroethane	A	0.500	5.32	
cis-1,2-Dichloroethene	A	0.317	0.73	
2-Butanone	A	0.057	-2.30	
Chloroform	A	0.483	9.28	
1,1,1-Trichloroethane	A	0.404	0.10	
Carbon tetrachloride	A	0.378	2.59	
Benzene	A	1.318	3.46	
1,2-Dichloroethane	A	0.305	2.85	
Trichloroethene	A	0.334	3.96	
1,2-Dichloropropane	A	0.287	1.80	
Bromodichloromethane	A	0.327	0.09	
cis-1,3-Dichloropropene	Q	0.386		-6.30
4-Methyl-2-pentanone	Q	0.119		-1.86
Toluene	A	1.211	7.85	
trans-1,3-Dichloropropene	A	0.476	-4.90	
1,1,2-Trichloroethane	A	0.288	8.66	
Tetrachloroethene	A	0.496	7.72	
2-Hexanone	Q	0.117		-2.00
Dibromochloromethane	A	0.315	-0.13	
Chlorobenzene	A	1.135	9.83	
Ethylbenzene	A	2.043	-0.79	

* = %D or %Drift above limit

= %D or %Drift limts are not configured

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022181 SDG No.: CAB39

Instrument ID: 5973M Moby Calibration Date: 10/05/2007 Time: 02:43

Lab File ID: M1004045.D Init. Calib. Date(s): 09/27/2007

Client Sample No.: VSTD050M3 Init. Calib. Time(s): 12:37

Heated Purge: (Y/N) N GC Column: ZB-624 20m ID: 0.18 (mm)

Compound	Equation Type	RF 50.0	%D	%Drift
m,p-Xylene	Q	0.816		-6.66
o-Xylene	Q	0.743		-6.46
Styrene	Q	1.291		-5.70
Bromoform	Q	0.183		-8.00
1,1,2,2-Tetrachloroethane	A	0.556	10.06	
Dibromofluoromethane	A	0.225	8.04	
1,2-Dichloroethane-d4	A	0.193	6.27	
Toluene-d8	A	1.369	11.17	
4-Bromofluorobenzene	A	0.693	10.85	

* = %D or %Drift above limit

= %D or %Drift limts are not configured

7

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022192 SDG No.: CAB39

Instrument ID: 5973M Moby Calibration Date: 10/05/2007 Time: 14:11

Lab File ID: quant.csv Init. Calib. Date(s): 09/27/2007

Client Sample No.: VSTD050M1 Init. Calib. Time(s): 12:37

Heated Purge: (Y/N) N GC Column: ZB-624 20m ID: 0.18 (mm)

Compound	Equation Type	RF 50.0	%D	%Drift
Dichlorodifluoromethane	L	0.158		17.40
Chloromethane	A	0.221	3.28	
Vinyl chloride	A	0.237	-5.88	
Bromomethane	A	0.135	0.17	
Chloroethane	A	0.153	0.14	
Trichlorofluoromethane	L	0.319		0.36
1,1-Dichloroethene	A	0.226	7.81	
Acetone	A	0.033	7.79	
Carbon disulfide	A	0.615	-10.86	
Methylene chloride	L	0.270		-6.90
trans-1,2-Dichloroethene	A	0.304	4.27	
1,1-Dichloroethane	A	0.485	8.17	
cis-1,2-Dichloroethene	A	0.312	2.34	
2-Butanone	A	0.053	4.80	
Chloroform	A	0.477	10.39	
1,1,1-Trichloroethane	A	0.395	2.11	
Carbon tetrachloride	A	0.377	2.93	
Benzene	A	1.302	4.65	
1,2-Dichloroethane	A	0.296	5.68	
Trichloroethene	A	0.333	4.31	
1,2-Dichloropropane	A	0.282	3.49	
Bromodichloromethane	A	0.321	1.72	
cis-1,3-Dichloropropene	Q	0.385		-6.48
4-Methyl-2-pentanone	Q	0.105		-12.78
Toluene	A	1.242	5.46	
trans-1,3-Dichloropropene	A	0.476	-4.87	
1,1,2-Trichloroethane	A	0.284	9.83	
Tetrachloroethene	A	0.504	6.32	
2-Hexanone	Q	0.106		-10.70
Dibromochloromethane	A	0.309	1.90	
Chlorobenzene	A	1.144	9.10	
Ethylbenzene	A	2.077	-2.47	

* = %D or %Drift above limit

= %D or %Drift limts are not configured

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022192 SDG No.: CAB39

Instrument ID: 5973M Moby Calibration Date: 10/05/2007 Time: 14:11

Lab File ID: quant.csv Init. Calib. Date(s): 09/27/2007

Client Sample No.: VSTD050M1 Init. Calib. Time(s): 12:37

Heated Purge: (Y/N) N GC Column: ZB-624 20m ID: 0.18 (mm)

Compound	Equation Type	RF 50.0	%D	%Drift
m,p-Xylene	Q	0.834		-4.64
o-Xylene	Q	0.751		-5.50
Styrene	Q	1.292		-5.62
Bromoform	Q	0.174		-12.12
1,1,2,2-Tetrachloroethane	A	0.540	12.70	
Dibromofluoromethane	A	0.214	12.53	
1,2-Dichloroethane-d4	A	0.186	9.61	
Toluene-d8	A	1.366	11.33	
4-Bromofluorobenzene	A	0.696	10.36	

* = %D or %Drift above limit

= %D or %Drift limts are not configured

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B100507MVOWM1

Lab Name: _____ Contract: _____

SDG No.: CAB39 Run Sequence: R022181

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: B100507MVOWM1

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1004049.D

Level: (LOW/MED) _____ Date Collected: _____

% Moisture: not dec. _____ Date/Time Analyzed: 10/05/2007 04:30

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B100507MVOWM1

Lab Name: _____ Contract: _____

SDG No.: CAB39 Run Sequence: R022181

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: B100507MVOWM1

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1004049.D

Level: (LOW/MED) _____ Date Collected: _____

% Moisture: not dec. _____ Date/Time Analyzed: 10/05/2007 04:30

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
179601-23	m,p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

Comments:

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B100507MVOWM1

Lab Name: _____ Contract: _____

SDG No.: CAB39 Run Sequence: R022192

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: B100507MVOWM1

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1005007.D

Level: (LOW/MED) _____ Date Collected: _____

% Moisture: not dec. _____ Date/Time Analyzed: 10/05/2007 16:03

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B100507MVOWM1

Lab Name: _____ Contract: _____

SDG No.: CAB39 Run Sequence: R022192

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: B100507MVOWM1

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1005007.D

Level: (LOW/MED) _____ Date Collected: _____

% Moisture: not dec. _____ Date/Time Analyzed: 10/05/2007 16:03

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
179601-23	m,p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

Comments:

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S100507MVOWM1

Lab Name: _____ Contract: _____

SDG No.: CAB39 Run Sequence: R022181

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: S100507MVOWM1

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1004046.D

Level: (LOW/MED) _____ Date Collected: _____

% Moisture: not dec. _____ Date/Time Analyzed: 10/05/2007 03:10

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	42	
74-87-3	Chloromethane	46	
75-01-4	Vinyl chloride	51	
74-83-9	Bromomethane	51	
75-00-3	Chloroethane	51	
75-69-4	Trichlorofluoromethane	50	
75-35-4	1,1-Dichloroethene	51	
67-64-1	Acetone	53	
75-15-0	Carbon disulfide	62	
75-09-2	Methylene chloride	49	
156-60-5	trans-1,2-Dichloroethene	52	
75-34-3	1,1-Dichloroethane	52	
156-59-2	cis-1,2-Dichloroethene	52	
78-93-3	2-Butanone	53	
67-66-3	Chloroform	47	
71-55-6	1,1,1-Trichloroethane	52	
56-23-5	Carbon tetrachloride	51	
71-43-2	Benzene	48	
107-06-2	1,2-Dichloroethane	47	
79-01-6	Trichloroethene	48	
78-87-5	1,2-Dichloropropane	49	
75-27-4	Bromodichloromethane	49	
10061-01-	cis-1,3-Dichloropropene	46	
108-10-1	4-Methyl-2-pentanone	47	
108-88-3	Toluene	47	
10061-02-	trans-1,3-Dichloropropene	51	
79-00-5	1,1,2-Trichloroethane	45	
127-18-4	Tetrachloroethene	49	
591-78-6	2-Hexanone	47	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S100507MVOWM1

Lab Name: _____ Contract: _____

SDG No.: CAB39 Run Sequence: R022181

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: S100507MVOWM1

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1004046.D

Level: (LOW/MED) _____ Date Collected: _____

% Moisture: not dec. _____ Date/Time Analyzed: 10/05/2007 03:10

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	52	
108-90-7	Chlorobenzene	47	
100-41-4	Ethylbenzene	51	
179601-23	m,p-Xylene	96	
95-47-6	o-Xylene	48	
100-42-5	Styrene	47	
75-25-2	Bromoform	48	
79-34-5	1,1,2,2-Tetrachloroethane	44	

Comments:

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S100507MVOWM2

Lab Name: _____ Contract: _____

SDG No.: CAB39 Run Sequence: R022192

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: S100507MVOWM2

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1005004.D

Level: (LOW/MED) _____ Date Collected: _____

% Moisture: not dec. _____ Date/Time Analyzed: 10/05/2007 14:44

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	30	
74-87-3	Chloromethane	36	
75-01-4	Vinyl chloride	41	
74-83-9	Bromomethane	44	
75-00-3	Chloroethane	43	
75-69-4	Trichlorofluoromethane	43	
75-35-4	1,1-Dichloroethene	45	
67-64-1	Acetone	47	
75-15-0	Carbon disulfide	55	
75-09-2	Methylene chloride	44	
156-60-5	trans-1,2-Dichloroethene	45	
75-34-3	1,1-Dichloroethane	46	
156-59-2	cis-1,2-Dichloroethene	46	
78-93-3	2-Butanone	49	
67-66-3	Chloroform	42	
71-55-6	1,1,1-Trichloroethane	45	
56-23-5	Carbon tetrachloride	45	
71-43-2	Benzene	42	
107-06-2	1,2-Dichloroethane	43	
79-01-6	Trichloroethene	42	
78-87-5	1,2-Dichloropropane	43	
75-27-4	Bromodichloromethane	44	
10061-01-	cis-1,3-Dichloropropene	42	
108-10-1	4-Methyl-2-pentanone	44	
108-88-3	Toluene	42	
10061-02-	trans-1,3-Dichloropropene	49	
79-00-5	1,1,2-Trichloroethane	41	
127-18-4	Tetrachloroethene	44	
591-78-6	2-Hexanone	45	

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S100507MVOWM2

Lab Name: _____ Contract: _____

SDG No.: CAB39 Run Sequence: R022192

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: S100507MVOWM2

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1005004.D

Level: (LOW/MED) _____ Date Collected: _____

% Moisture: not dec. _____ Date/Time Analyzed: 10/05/2007 14:44

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	48	
108-90-7	Chlorobenzene	42	
100-41-4	Ethylbenzene	45	
179601-23	m,p-Xylene	86	
95-47-6	o-Xylene	43	
100-42-5	Styrene	42	
75-25-2	Bromoform	45	
79-34-5	1,1,2,2-Tetrachloroethane	41	

Comments:

Forms Summary

CAB39

Ordnance by Method 8330

2

WATER ORDNANCE SURROGATE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

SDG No.: CAB39 Run Sequence: R022102

(LAB SAMPLE ID) CLIENT SAMPLE NUMBER	S1 (DNT) #	S2 () #	S3 () #	S4 () #	TOT OUT
(CAB39-005) 16L4MW02AW	106				0
(CAB39-004) 16L4MW03BW	105				0
(CAB39-003) 16L4MW03AW	113				0
(CAB39-001) 16L4MW04AW	112				0
(S092807HORWLS) S092807HORWLS	105				0
(B092807HORWLS) B092807HORWLS	105				0

QC LIMITS

S1 (DNT) = 3,4-Dinitrotoluene 60-140

S2 () =

S3 () =

S4 () =

Column to be used to flag recovery values

* Values outside of contract required QC limits

3B
WATER ORDNANCE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R022102 SDG No.: CAB39

BS Lab Sample ID: S092807HORWLS

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
HMX	20.0	21.8121	109	80-115
RDX	20.0	21.4883	107	50-160
1,3,5-Trinitrobenzene	20.0	20.0332	100	65-140
1,3-Dinitrobenzene	20.0	19.6443	98	45-160
Nitrobenzene	20.0	19.8761	99	50-140
Tetryl	20.0	18.4369	92	20-175
2,4,6-Trinitrotoluene	20.0	21.3224	107	50-145
4-Amino-2,6-dinitrotoluene	20.0	17.8111	89	55-155
2-Amino-4,6-dinitrotoluene	20.0	18.8143	94	50-155
2,6-Dinitrotoluene	20.0	19.1364	96	60-135
2,4-Dinitrotoluene	20.0	18.5714	93	60-135
2-Nitrotoluene	20.0	18.2426	91	45-135
4-Nitrotoluene	20.0	19.7414	99	50-130
3-Nitrotoluene	20.0	17.6939	88	50-130

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

Spike Recovery: 0 out of 14 outside limits

COMMENTS:

ORDNANCE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.
B092807HORWLS

Lab Name: Laucks Testing Labs Contract: N/A

Lab Sample ID: B092807HORWLS SDG No.: CAB39

Matrix: (SOIL/WATER) Water Date Prepared: 09/28/2007

Lab File ID (1): OA0107.b-OA010705.D Lab File ID (2): FA0207.b-FA020705.D

Date Analyzed (1): 10/01/2007 Date Analyzed (2):

Time Analyzed (1): 14:14 Time Analyzed (2):

Instrument ID (1): HPLC5 (Oscar) Instrument ID (2): HPLC3 (Felix)

Column(1): Allure C18 ID: 4.60 (mm) Column(2): Synergi - EtPH ID: 4.60 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC SAMPLES:

CLIENT SAMPLE NO.	LAB SAMPLE ID	COL	LAB FILE ID	DATE/TIME ANALYZED	RUN SEQUENCE
16L4MW04AW	CAB39-001	1	OA010711.D	10/01/2007 18:08	R022102
		2	FA020717.D	10/02/2007 20:39	R022102
16L4MW03AW	CAB39-003	1	OA010712.D	10/01/2007 18:47	R022102
		2	FA020718.D	10/02/2007 21:18	R022102
16L4MW03BW	CAB39-004	1	OA010713.D	10/01/2007 19:27	R022102
		2	FA020719.D	10/02/2007 21:57	R022102
16L4MW03AW	CAB39-005	1	OA010714.D	10/01/2007 20:06	R022102
		2	FA020720.D	10/02/2007 22:36	R022102
S092807HORWLS	S092807HORWLS	1	OA010706.D	10/01/2007 14:53	R022102
		2	FA020706.D	10/02/2007 13:30	R022102

COMMENTS:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW04AW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB39

Run Sequence: R022102

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB39-001

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: OA010711.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/21/2007

Extraction: (Type) SPE

Date Extracted: 09/28/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 10/01/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.48	U
121-82-4	RDX	2.1	
99-35-4	1,3,5-Trinitrobenzene	0.48	U
99-65-0	1,3-Dinitrobenzene	0.48	U
98-95-3	Nitrobenzene	0.48	U
479-45-8	Tetryl	0.48	U
118-96-7	2,4,6-Trinitrotoluene	0.48	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.48	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.48	U
606-20-2	2,6-Dinitrotoluene	0.48	U
121-14-2	2,4-Dinitrotoluene	0.48	U
88-72-2	2-Nitrotoluene	0.48	U
99-99-0	4-Nitrotoluene	0.48	U
99-08-1	3-Nitrotoluene	0.48	U

Comments:

CONFIRMATION SUMMRY WORKSHEET FOR SINGLE COMPONENT ANALYTES

Client Sample ID

16L4MW04AW

Lab Name: Laucks Testing Labs, Inc.

Lab Sample ID: CAB39-001

Instrument ID: HPLC5 (Oscar) | Run Sequence ID: R022102

Column (1): Allure C18 | Column (2): Synergi - EtPH

File (1): OA0107A.b-OA010711.D | File (2): FA0207.b-FA020717.D

Date Analyzed (1): 10/1/2007 6:08:00 PM | Date Analyzed (2): 10/2/2007 8:39:00 PM

ANALYTE	COL	CONCENTRATION Final Units: ug/L	RPD	RT	RT Window
RDX	1	2.07991	2.1 %	8.00	7.70 - 8.20
	2	2.12386 X		8.68	8.40 - 8.90

X = Concentration Reported

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW03AW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB39

Run Sequence: R022102

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB39-003

Sample wt/vol: 1040.0 (g/mL) mL

Lab File ID: OA010712.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/21/2007

Extraction: (Type) SPE

Date Extracted: 09/28/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 10/01/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.48	U
121-82-4	RDX	10	
99-35-4	1,3,5-Trinitrobenzene	0.48	U
99-65-0	1,3-Dinitrobenzene	0.48	U
98-95-3	Nitrobenzene	0.48	U
479-45-8	Tetryl	0.48	U
118-96-7	2,4,6-Trinitrotoluene	0.48	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.48	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.48	U
606-20-2	2,6-Dinitrotoluene	0.48	U
121-14-2	2,4-Dinitrotoluene	0.48	U
88-72-2	2-Nitrotoluene	0.48	U
99-99-0	4-Nitrotoluene	0.48	U
99-08-1	3-Nitrotoluene	0.48	U

Comments:

CONFIRMATION SUMMRY WORKSHEET FOR SINGLE COMPONENT ANALYTES

Client Sample ID

16L4MW03AW

Lab Name: Laucks Testing Labs, Inc.

Lab Sample ID: CAB39-003

Instrument ID: HPLC5 (Oscar) Run Sequence ID: R022102

Column (1): Allure C18 Column (2): Synergi - EtPH

File (1): OA0107A.b-OA010712.D File (2): FA0207.b-FA020718.D

Date Analyzed (1): 10/1/2007 6:47:00 PM Date Analyzed (2): 10/2/2007 9:18:00 PM

ANALYTE	COL	CONCENTRATION Final Units: ug/L		RPD	RT	RT Window
RDX	1	10.1851	X	1.7 %	8.00	7.70 - 8.20
	2	10.0125			8.69	8.40 - 8.90

X = Concentration Reported

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW03BW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB39

Run Sequence: R022102

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB39-004

Sample wt/vol: 1030.0 (g/mL) mL

Lab File ID: OA010713.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/21/2007

Extraction: (Type) SPE

Date Extracted: 09/28/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 10/01/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.49	U
121-82-4	RDX	4.7	
99-35-4	1,3,5-Trinitrobenzene	0.49	U
99-65-0	1,3-Dinitrobenzene	0.49	U
98-95-3	Nitrobenzene	0.49	U
479-45-8	Tetryl	0.49	U
118-96-7	2,4,6-Trinitrotoluene	0.49	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.49	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.49	U
606-20-2	2,6-Dinitrotoluene	0.49	U
121-14-2	2,4-Dinitrotoluene	0.49	U
88-72-2	2-Nitrotoluene	0.49	U
99-99-0	4-Nitrotoluene	0.49	U
99-08-1	3-Nitrotoluene	0.49	U

Comments:

CONFIRMATION SUMMRY WORKSHEET
FOR SINGLE COMPONENT ANALYTES

Client Sample ID

16L4MW03BW

Lab Name: Laucks Testing Labs, Inc.

Lab Sample ID: CAB39-004

Instrument ID: HPLC5 (Oscar)

Run Sequence ID: R022102

Column (1): Allure C18

Column (2): Synergi - EtPH

File (1): OA0107A.b-OA010713.D

File (2): FA0207.b-FA020719.D

Date Analyzed (1): 10/1/2007 7:27:00 PM

Date Analyzed (2): 10/2/2007 9:57:00 PM

ANALYTE	COL	CONCENTRATION Final Units: ug/L		RPD	RT	RT Window
RDX	1	4.6913	X	1.1 %	8.01	7.70 - 8.20
	2	4.6383			8.69	8.40 - 8.90

X = Concentration Reported

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW03AW 5 pgs 11/9/07

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB39

Run Sequence: R022102

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB39-005

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: OA010714.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/21/2007

Extraction: (Type) SPE

Date Extracted: 09/28/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 10/01/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.48	U
121-82-4	RDX	4.1	
99-35-4	1,3,5-Trinitrobenzene	0.48	U
99-65-0	1,3-Dinitrobenzene	0.48	U
98-95-3	Nitrobenzene	0.48	U
479-45-8	Tetryl	0.48	U
118-96-7	2,4,6-Trinitrotoluene	0.48	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.48	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.48	U
606-20-2	2,6-Dinitrotoluene	0.48	U
121-14-2	2,4-Dinitrotoluene	0.48	U
88-72-2	2-Nitrotoluene	0.48	U
99-99-0	4-Nitrotoluene	0.48	U
99-08-1	3-Nitrotoluene	0.48	U

Comments:

CONFIRMATION SUMMRY WORKSHEET FOR SINGLE COMPONENT ANALYTES

Client Sample ID

Spike 11/9/07

16L4MW03AW

Lab Name: Laucks Testing Labs, Inc.

Lab Sample ID: CAB39-005

Instrument ID: HPLC5 (Oscar) Run Sequence ID: R022102

Column (1): Allure C18 Column (2): Synergi - EtPH

File (1): OA0107A.b-OA010714.D File (2): FA0207.b-FA020720.D

Date Analyzed (1): 10/1/2007 8:06:00 PM Date Analyzed (2): 10/2/2007 10:36:00 PM

ANALYTE	COL	CONCENTRATION Final Units: ug/L		RPD	RT	RT Window
RDX	1	4.06187	X	0.8 %	8.02	7.70 - 8.20
	2	4.0295			8.70	8.40 - 8.90

X = Concentration Reported

Laucks Testing Labs
Initial Calibration Linearity Summary

Start Cal Date: 18-JUL-2007 22:47
End Cal Date : 19-JUL-2007 01:27
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\071807A.b\8330JUL1807.m
Sublist : 8330MNX.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180720.D
Level 2: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180721.D
Level 3: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180722.D
Level 4: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180723.D
Level 5: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180724.D

	Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave CF	%RSD
1	HMX	10.36000	9.720000	10.52600	9.451000	9.429400	9.897280	5.2
4	MNX	12.62000	13.21000	12.95400	13.11200	11.23400	12.62600	6.4
5	RDX	7.440000	7.200000	8.314000	7.449000	7.510600	7.582720	5.6
6	1,3,5-Trinitrobenzene	14.28000	13.64000	14.83000	13.44500	13.59720	13.95844	4.2
7	1,3-Dinitrobenzene	15.30000	14.46000	15.94800	14.62100	14.89880	15.04556	4.0
8	Tetryl	7.940000	7.440000	8.250000	7.503000	7.571600	7.740920	4.4
9	Nitrobenzene	8.460000	8.220000	8.566000	8.386000	8.601000	8.446600	1.8
11	2,4,6-Trinitrotoluene	9.060000	8.520000	9.394000	8.528000	8.622400	8.824880	4.4
12	4-Amino-2,6-Dinitrotoluene	6.100000	5.860000	6.518000	5.900000	5.938000	6.063200	4.5
13	2-Amino-4,6-Dinitrotoluene	8.200000	7.750000	8.562000	7.731000	7.787800	8.006160	4.6
14	2,6-Dinitrotoluene	5.180000	4.970000	5.502000	5.056000	5.131000	5.167800	3.9

Amount = Response divided by CF

CF - Calibration Factor (response divided by concentration).
RSD - Relative Standard Deviation.

Laucks Testing Labs
Initial Calibration Linearity Summary

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave CF	%RSD
15 2,4-Dinitrotoluene	9.600000	9.110000	10.15000	9.291000	9.409000	9.512000	4.2
16 2-Nitrotoluene	3.520000	3.370000	3.482000	3.410000	3.505600	3.457520	1.9
17 4-Nitrotoluene	2.860000	2.590000	2.744000	2.672000	2.762600	2.725720	3.7
18 3-Nitrotoluene	3.280000	3.130000	3.220000	3.141000	3.248600	3.203920	2.1
10 3,4-Dinitrotoluene	7.560000	7.250000	7.912000	7.363000	7.424600	7.501920	3.4
Average RSD :							4.0

Amount = Response divided by CF

CF - Calibration Factor (response divided by concentration).
RSD - Relative Standard Deviation.

SUM - 55

Laucks Testing Labs
Initial Calibration Retention Time Summary

Start Cal Date: 18-JUL-2007 22:47
End Cal Date : 19-JUL-2007 01:27
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\071807A.b\8330JUL1807.m
Sublist : 8330MNX.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180720.D
Level 2: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180721.D
Level 3: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180722.D
Level 4: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180723.D
Level 5: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180724.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave RT
1 HMX	4.54	4.54	4.54	4.54	4.55	4.543
4 MNX	6.76	6.76	6.77	6.76	6.77	6.764
5 RDX	7.92	7.92	7.92	7.92	7.92	7.918
6 1,3,5-Trinitrobenzene	11.44	11.45	11.45	11.45	11.45	11.448
7 1,3-Dinitrobenzene	14.16	14.16	14.18	14.16	14.15	14.161
8 Tetryl	15.83	15.84	15.85	15.82	15.82	15.831
9 Nitrobenzene	16.66	16.67	16.68	16.65	16.65	16.662
11 2,4,6-Trinitrotoluene	19.26	19.26	19.27	19.24	19.24	19.252
12 4-Amino-2,6-Dinitrotoluene	19.97	19.98	19.99	19.96	19.96	19.972
13 2-Amino-4,6-Dinitrotoluene	21.06	21.07	21.08	21.04	21.04	21.057
14 2,6-Dinitrotoluene	22.41	22.41	22.42	22.39	22.39	22.405

Retention times are expressed as minutes.

Laucks Testing Labs
Initial Calibration Retention Time Summary

Start Cal Date: 18-JUL-2007 22:47
End Cal Date : 19-JUL-2007 01:27
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\071807A.b\8330JUL1807.m
Sublist : 8330MNX.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave RT
15 2,4-Dinitrotoluene	23.30	23.31	23.31	23.28	23.28	23.295
16 2-Nitrotoluene	28.25	28.24	28.25	28.22	28.22	28.235
17 4-Nitrotoluene	30.68	30.69	30.70	30.67	30.66	30.682
18 3-Nitrotoluene	33.03	33.02	33.02	32.99	33.00	33.012
10 3,4-Dinitrotoluene	17.00	17.01	17.03	17.00	17.00	17.007

Retention times are expressed as minutes.

Laucks Testing Labs
Initial Calibration Amounts Summary

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Start Cal Date: 18-JUL-2007 22:47
End Cal Date : 19-JUL-2007 01:27
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\O71807A.b\8330JUL1807.m
Sublist : 8330MNX.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180720.D
Level 2: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180721.D
Level 3: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180722.D
Level 4: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180723.D
Level 5: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180724.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
1 HMX	50.00	100.00	500.00	1000.00	5000.00
4 MNX	50.00	100.00	500.00	1000.00	5000.00
5 RDX	50.00	100.00	500.00	1000.00	5000.00
6 1,3,5-Trinitrobenzene	50.00	100.00	500.00	1000.00	5000.00
7 1,3-Dinitrobenzene	50.00	100.00	500.00	1000.00	5000.00
8 Tetryl	50.00	100.00	500.00	1000.00	5000.00
9 Nitrobenzene	50.00	100.00	500.00	1000.00	5000.00
11 2,4,6-Trinitrotoluene	50.00	100.00	500.00	1000.00	5000.00
12 4-Amino-2,6-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00
13 2-Amino-4,6-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00
14 2,6-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00

Standard concentrations are expressed as ng/mL.

Laucks Testing Labs
Initial Calibration Amounts Summary

Start Cal Date: 18-JUL-2007 22:47
End Cal Date : 19-JUL-2007 01:27
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\071807A.b\8330JUL1807.m
Sublist : 8330MNX.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
15 2,4-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00
16 2-Nitrotoluene	50.00	100.00	500.00	1000.00	5000.00
17 4-Nitrotoluene	50.00	100.00	500.00	1000.00	5000.00
18 3-Nitrotoluene	50.00	100.00	500.00	1000.00	5000.00
10 3,4-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00

Standard concentrations are expressed as ng/mL.

Laucks Testing Labs
Initial Calibration Response Summary

Start Cal Date: 18-JUL-2007 22:47
End Cal Date : 19-JUL-2007 01:27
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\O71807A.b\8330JUL1807.m
Sublist : 8330MNX.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180720.D
Level 2: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180721.D
Level 3: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180722.D
Level 4: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180723.D
Level 5: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180724.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
1 HMX	518.00000	972.00000	5263.0000	9451.0000	47147.000
4 MNX	631.00000	1321.0000	6477.0000	13112.000	56170.000
5 RDX	372.00000	720.00000	4157.0000	7449.0000	37553.000
6 1,3,5-Trinitrobenzene	714.00000	1364.0000	7415.0000	13445.000	67986.000
7 1,3-Dinitrobenzene	765.00000	1446.0000	7974.0000	14621.000	74494.000
8 Tetryl	397.00000	744.00000	4125.0000	7503.0000	37858.000
9 Nitrobenzene	423.00000	822.00000	4283.0000	8386.0000	43005.000
11 2,4,6-Trinitrotoluene	453.00000	852.00000	4697.0000	8528.0000	43112.000
12 4-Amino-2,6-Dinitrotoluene	305.00000	586.00000	3259.0000	5900.0000	29690.000
13 2-Amino-4,6-Dinitrotoluene	410.00000	775.00000	4281.0000	7731.0000	38939.000
14 2,6-Dinitrotoluene	259.00000	497.00000	2751.0000	5056.0000	25655.000

Response is in Height units.

Laucks Testing Labs
Initial Calibration Response Summary

Start Cal Date: 18-JUL-2007 22:47
End Cal Date : 19-JUL-2007 01:27
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\071807A.b\8330JUL1807.m
Sublist : 8330MNX.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
15 2,4-Dinitrotoluene	480.00000	911.00000	5075.0000	9291.0000	47045.000
16 2-Nitrotoluene	176.00000	337.00000	1741.0000	3410.0000	17528.000
17 4-Nitrotoluene	143.00000	259.00000	1372.0000	2672.0000	13813.000
18 3-Nitrotoluene	164.00000	313.00000	1610.0000	3141.0000	16243.000
10 3,4-Dinitrotoluene	378.00000	725.00000	3956.0000	7363.0000	37123.000

Response is in Height units.

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Laucks Testing Labs
Initial Calibration Linearity Summary

Start Cal Date: 21-SEP-2007 15:23
End Cal Date : 21-SEP-2007 17:59
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\felix\Felix.i\F92107.b\8330syn92207mnx.m
Sublist : 8330MNX.sub
Column : EtPh
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210707.D
Level 2: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210708.D
Level 3: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210709.D
Level 4: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210710.D
Level 5: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210711.D

	Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave CF	%RSD
3	MNX	10.60000	9.840000	10.52800	9.899000	9.959000	10.16520	3.6
4	HMX	5.580000	5.220000	5.526000	5.379000	5.266000	5.394200	2.9
5	RDX	7.400000	6.950000	7.108000	6.916000	6.759800	7.026760	3.5
6	Nitrobenzene	11.04000	11.31000	11.32000	11.45000	11.47320	11.31864	1.5
7	4-Amino-2,6-Dinitrotoluene	7.860000	7.570000	7.700000	7.556000	7.464400	7.630080	2.0
8	2-Nitrotoluene	5.660000	5.750000	5.666000	5.726000	5.757600	5.711920	0.8
9	4-Nitrotoluene	7.960000	7.960000	8.002000	7.886000	7.794000	7.920400	1.0
10	2-Amino-4,6-Dinitrotoluene	12.00000	11.62000	11.91000	11.71100	11.59000	11.76620	1.5
11	1,3-Dinitrobenzene/3NT	6.940000	6.855000	6.886000	6.785500	6.697700	6.832840	1.4
13	2,6-Dinitrotoluene	4.960000	4.810000	4.834000	4.777000	4.709200	4.818040	1.9
14	2,4-Dinitrotoluene	8.560000	8.220000	8.344000	8.241000	8.094000	8.291800	2.1

Amount = Response divided by CF

CF - Calibration Factor (response divided by concentration).
RSD - Relative Standard Deviation.

Laucks Testing Labs
Initial Calibration Linearity Summary

	Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave CF	%RSD
15	1,3,5-Trinitrobenzene	5.600000	5.420000	5.542000	5.424000	5.338600	5.464920	1.9
16	Tetryl	3.380000	3.460000	3.494000	3.414000	3.340000	3.417600	1.8
17	2,4,6-TNT	4.060000	3.870000	3.900000	3.801000	3.733600	3.872920	3.2
12	3,4-Dinitrotoluene	5.040000	4.970000	4.992000	4.877000	4.795400	4.934880	2.0
	Average RSD :							2.1

Amount = Response divided by CF

CF - Calibration Factor (response divided by concentration).
RSD - Relative Standard Deviation.

Laucks Testing Labs
Initial Calibration Retention Time Summary

Start Cal Date: 21-SEP-2007 15:23
End Cal Date : 21-SEP-2007 17:59
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\felix\Felix.i\F92107.b\8330syn92207mnx.m
Sublist : 8330MNX.sub
Column : EtPh
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210707.D
Level 2: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210708.D
Level 3: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210709.D
Level 4: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210710.D
Level 5: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210711.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave RT
3 MNX	7.92	7.92	7.93	7.92	7.93	7.924
4 HMX	8.23	8.23	8.24	8.23	8.25	8.235
5 RDX	8.78	8.77	8.78	8.77	8.79	8.778
6 Nitrobenzene	11.48	11.47	11.49	11.49	11.51	11.489
7 4-Amino-2,6-Dinitrotoluene	14.49	14.47	14.49	14.49	14.52	14.490
8 2-Nitrotoluene	14.89	14.88	14.90	14.90	14.92	14.897
9 4-Nitrotoluene	15.65	15.63	15.66	15.66	15.68	15.655
10 2-Amino-4,6-Dinitrotoluene	16.01	15.99	16.02	16.03	16.06	16.020
11 1,3-Dinitrobenzene/3NT	16.43	16.40	16.43	16.42	16.44	16.426
13 2,6-Dinitrotoluene	19.21	19.18	19.21	19.23	19.26	19.218
14 2,4-Dinitrotoluene	22.20	22.17	22.22	22.22	22.27	22.215

Retention times are expressed as minutes.

Laucks Testing Labs
Initial Calibration Retention Time Summary

Start Cal Date: 21-SEP-2007 15:23
End Cal Date : 21-SEP-2007 17:59
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\felix\Felix.i\F92107.b\8330syn92207mnx.m
Sublist : 8330MNX.sub
Column : EtPh
Column Size : 0m L - 4.60mm ID

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave RT
15 1,3,5-Trinitrobenzene	25.32	25.30	25.38	25.37	25.42	25.360
16 Tetryl	29.26	29.25	29.35	29.34	29.40	29.319
17 2,4,6-TNT	32.88	32.89	32.99	32.98	33.04	32.956
12 3,4-Dinitrotoluene	17.77	17.75	17.77	17.78	17.81	17.775

Retention times are expressed as minutes.

Laucks Testing Labs
Initial Calibration Amounts Summary

Start Cal Date: 21-SEP-2007 15:23
End Cal Date : 21-SEP-2007 17:59
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\felix\Felix.i\F92107.b\8330syn92207mnx.m
Sublist : 8330MNX.sub
Column : EtPh
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210707.D
Level 2: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210708.D
Level 3: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210709.D
Level 4: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210710.D
Level 5: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210711.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
3 MNX	50.00	100.00	500.00	1000.00	5000.00
4 HMX	50.00	100.00	500.00	1000.00	5000.00
5 RDX	50.00	100.00	500.00	1000.00	5000.00
6 Nitrobenzene	50.00	100.00	500.00	1000.00	5000.00
7 4-Amino-2,6-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00
8 2-Nitrotoluene	50.00	100.00	500.00	1000.00	5000.00
9 4-Nitrotoluene	50.00	100.00	500.00	1000.00	5000.00
10 2-Amino-4,6-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00
11 1,3-Dinitrobenzene/3NT	100.00	200.00	1000.00	2000.00	10000.00
13 2,6-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00
14 2,4-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00

Standard concentrations are expressed as ng/mL.

Laucks Testing Labs
Initial Calibration Amounts Summary

Start Cal Date: 21-SEP-2007 15:23
End Cal Date : 21-SEP-2007 17:59
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\felix\Felix.i\F92107.b\8330syn92207mnx.m
Sublist : 8330MNX.sub
Column : EtPh
Column Size : 0m L - 4.60mm ID

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
15 1,3,5-Trinitrobenzene	50.00	100.00	500.00	1000.00	5000.00
16 Tetryl	50.00	100.00	500.00	1000.00	5000.00
17 2,4,6-TNT	50.00	100.00	500.00	1000.00	5000.00
12 3,4-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00

Standard concentrations are expressed as ng/mL.

Laucks Testing Labs
Initial Calibration Response Summary

Start Cal Date: 21-SEP-2007 15:23
End Cal Date : 21-SEP-2007 17:59
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\felix\Felix.i\F92107.b\8330syn92207mnx.m
Sublist : 8330MNX.sub
Column : EtPh
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210707.D
Level 2: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210708.D
Level 3: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210709.D
Level 4: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210710.D
Level 5: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210711.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
3 MNX	530.00000	984.00000	5264.0000	9899.0000	49795.000
4 HMX	279.00000	522.00000	2763.0000	5379.0000	26330.000
5 RDX	370.00000	695.00000	3554.0000	6916.0000	33799.000
6 Nitrobenzene	552.00000	1131.0000	5660.0000	11450.000	57366.000
7 4-Amino-2,6-Dinitrotoluene	393.00000	757.00000	3850.0000	7556.0000	37322.000
8 2-Nitrotoluene	283.00000	575.00000	2833.0000	5726.0000	28788.000
9 4-Nitrotoluene	398.00000	796.00000	4001.0000	7886.0000	38970.000
10 2-Amino-4,6-Dinitrotoluene	600.00000	1162.0000	5955.0000	11711.000	57950.000
11 1,3-Dinitrobenzene/3NT	694.00000	1371.0000	6886.0000	13571.000	66977.000
13 2,6-Dinitrotoluene	248.00000	481.00000	2417.0000	4777.0000	23546.000
14 2,4-Dinitrotoluene	428.00000	822.00000	4172.0000	8241.0000	40470.000

Response is in Height units.

Laucks Testing Labs
Initial Calibration Response Summary

Start Cal Date: 21-SEP-2007 15:23
End Cal Date : 21-SEP-2007 17:59
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\felix\Felix.i\F92107.b\8330syn92207mnx.m
Sublist : 8330MNX.sub
Column : EtPh
Column Size : 0m L - 4.60mm ID

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
15 1,3,5-Trinitrobenzene	280.00000	542.00000	2771.0000	5424.0000	26693.000
16 Tetryl	169.00000	346.00000	1747.0000	3414.0000	16700.000
17 2,4,6-TNT	203.00000	387.00000	1950.0000	3801.0000	18668.000
12 3,4-Dinitrotoluene	252.00000	497.00000	2496.0000	4877.0000	23977.000

Response is in Height units.

Laucks Testing Labs
Initial Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/OA0107.b/OA010704.D		
Injection Date	: 01-OCT-2007 13:33		
Sample Info	: STD04 1000PPB METHOD 8330		
Misc. Info	: ICV		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-02 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: 8330JUL1807.m	Sublist	: 8330
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_4
Column	: C18	Column Size	: 0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	ICV CF	%D	Flag
HMX	4.57 #	4.32 - 4.82	9.897280	9.663000	2.4	
RDX	7.95 #	7.70 - 8.20	7.582720	7.597000	-0.2	
1,3,5-Trinitrobenzene	11.52 #	11.27 - 11.77	13.95844	13.71200	1.8	
1,3-Dinitrobenzene	14.23 #	13.98 - 14.48	15.04556	14.85900	1.2	
Tetryl	15.90 #	15.66 - 16.16	7.740920	7.039000	9.1	
Nitrobenzene	16.71 #	16.46 - 16.96	8.446600	8.856000	-4.8	
3,4-Dinitrotoluene	17.10 #	16.85 - 17.35	7.501920	6.671000	11.1	
2,4,6-Trinitrotoluene	19.37 #	19.12 - 19.62	8.824880	7.856000	11.0	
4-Amino-2,6-Dinitrotoluene	20.05 #	19.75 - 20.35	6.063200	5.870000	3.2	
2-Amino-4,6-Dinitrotoluene	21.15 #	20.85 - 21.45	8.006160	7.698000	3.8	
2,6-Dinitrotoluene	22.50 #	22.21 - 22.79	5.167800	5.041000	2.5	
2,4-Dinitrotoluene	23.41 #	23.12 - 23.70	9.512000	9.262000	2.6	
2-Nitrotoluene	28.31 #	27.95 - 28.67	3.457520	3.575000	-3.4	
4-Nitrotoluene	30.78 #	30.38 - 31.18	2.725720	2.793000	-2.5	
3-Nitrotoluene	33.10 #	32.66 - 33.54	3.203920	3.306000	-3.2	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - ICV CF) divided by Ave CF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/OA0107.b/OA010710.D		
Injection Date	: 01-OCT-2007 17:29		
Sample Info	: STD04 1000PPB METHOD 8330		
Misc. Info	: Method 8330		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-02 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: 8330JUL1807.m	Sublist	: 8330
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type:	CCALIB_4
Column	: C18	Column Size:	0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
HMX	4.57	4.32 - 4.82	9.897280	9.565000	3.4	
RDX	7.99	7.70 - 8.20	7.582720	7.526000	0.7	
1,3,5-Trinitrobenzene	11.57	11.27 - 11.77	13.95844	13.64200	2.3	
1,3-Dinitrobenzene	14.29	13.98 - 14.48	15.04556	14.68900	2.4	
Tetryl	16.00	15.66 - 16.16	7.740920	7.032000	9.2	
Nitrobenzene	16.78	16.46 - 16.96	8.446600	8.714000	-3.2	
3,4-Dinitrotoluene	17.19	16.85 - 17.35	7.501920	6.533000	12.9	
2,4,6-Trinitrotoluene	19.45	19.12 - 19.62	8.824880	7.826000	11.3	
4-Amino-2,6-Dinitrotoluene	20.15	19.75 - 20.35	6.063200	5.871000	3.2	
2-Amino-4,6-Dinitrotoluene	21.25	20.85 - 21.45	8.006160	7.769000	3.0	
2,6-Dinitrotoluene	22.59	22.21 - 22.79	5.167800	5.087000	1.6	
2,4-Dinitrotoluene	23.49	23.12 - 23.70	9.512000	9.269000	2.6	
2-Nitrotoluene	28.42	27.95 - 28.67	3.457520	3.503000	-1.3	
4-Nitrotoluene	30.90	30.38 - 31.18	2.725720	2.762000	-1.3	
3-Nitrotoluene	33.22	32.66 - 33.54	3.203920	3.263000	-1.8	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Initial Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/OA0107A.b/OA010710.D		
Injection Date	: 01-OCT-2007 17:29		
Sample Info	: STD04 1000PPB METHOD 8330		
Misc. Info	: ICV		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-02 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: 8330JUL1807.m	Sublist	: 8330
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_4
Column	: C18	Column Size	: 0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	ICV CF	%D	Flag
HMX	4.57 #	4.32 - 4.82	9.897280	9.558000	3.4	
RDX	7.99 #	7.74 - 8.24	7.582720	7.526000	0.7	
1,3,5-Trinitrobenzene	11.57 #	11.32 - 11.82	13.95844	13.64200	2.3	
1,3-Dinitrobenzene	14.29 #	14.04 - 14.54	15.04556	14.68900	2.4	
Tetryl	16.00 #	15.75 - 16.25	7.740920	7.032000	9.2	
Nitrobenzene	16.78 #	16.53 - 17.03	8.446600	8.714000	-3.2	
3,4-Dinitrotoluene	17.19 #	16.94 - 17.44	7.501920	6.533000	12.9	
2,4,6-Trinitrotoluene	19.45 #	19.20 - 19.70	8.824880	7.826000	11.3	
4-Amino-2,6-Dinitrotoluene	20.15 #	19.85 - 20.45	6.063200	5.871000	3.2	
2-Amino-4,6-Dinitrotoluene	21.25 #	20.95 - 21.55	8.006160	7.769000	3.0	
2,6-Dinitrotoluene	22.59 #	22.30 - 22.88	5.167800	5.087000	1.6	
2,4-Dinitrotoluene	23.49 #	23.20 - 23.78	9.512000	9.269000	2.6	
2-Nitrotoluene	28.42 #	28.06 - 28.78	3.457520	3.503000	-1.3	
4-Nitrotoluene	30.90 #	30.50 - 31.30	2.725720	2.762000	-1.3	
3-Nitrotoluene	33.22 #	32.78 - 33.66	3.203920	3.263000	-1.8	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - ICV CF) divided by Ave CF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/OA0107A.b/OA010718.D		
Injection Date	: 01-OCT-2007 22:42		
Sample Info	: STD04 1000PPB METHOD 8330		
Misc. Info	: Method 8330		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-02 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: 8330JUL1807.m	Sublist	: 8330
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_4
Column	: C18	Column Size	: 0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
HMX	4.57	4.32 - 4.82	9.897280	9.472000	4.3	
RDX	7.99	7.74 - 8.24	7.582720	7.430000	2.0	
1,3,5-Trinitrobenzene	11.56	11.32 - 11.82	13.95844	13.36200	4.3	
1,3-Dinitrobenzene	14.29	14.04 - 14.54	15.04556	14.53900	3.4	
Tetryl	16.00	15.75 - 16.25	7.740920	6.827000	11.8	
Nitrobenzene	16.78	16.53 - 17.03	8.446600	8.455000	-0.1	
3,4-Dinitrotoluene	17.20	16.94 - 17.44	7.501920	6.333000	15.6	
2,4,6-Trinitrotoluene	19.46	19.20 - 19.70	8.824880	7.628000	13.6	
4-Amino-2,6-Dinitrotoluene	20.18	19.85 - 20.45	6.063200	5.709000	5.8	
2-Amino-4,6-Dinitrotoluene	21.29	20.95 - 21.55	8.006160	7.496000	6.4	
2,6-Dinitrotoluene	22.63	22.30 - 22.88	5.167800	4.888000	5.4	
2,4-Dinitrotoluene	23.54	23.20 - 23.78	9.512000	9.011000	5.3	
2-Nitrotoluene	28.47	28.06 - 28.78	3.457520	3.441000	0.5	
4-Nitrotoluene	30.96	30.50 - 31.30	2.725720	2.682000	1.6	
3-Nitrotoluene	33.29	32.78 - 33.66	3.203920	3.198000	0.2	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Initial Calibration Verification Summary

Data File	: //ceres/labdata/hplc/felix/Felix.i/FA0207.b/FA020704.D		
Injection Date	: 02-OCT-2007 12:02		
Sample Info	: STD04 1000PPB METHOD8330		
Misc. Info	: ICV		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-02 20X
Instrument ID	: Felix.i	Operator	: MY
Method	: 8330syn92207mnx.m	Sublist	: 8330
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type:	CCALIB_4
Column	: EtPh	Column Size:	0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	ICV CF	%D	Flag
HMX	8.12 #	7.87 - 8.37	5.394200	5.457000	-1.2	
RDX	8.65 #	8.40 - 8.90	7.026760	7.026000	0.0	
Nitrobenzene	11.33 #	11.08 - 11.58	11.31864	11.88300	-5.0	
4-Amino-2,6-Dinitrotoluene	14.23 #	13.98 - 14.48	7.630080	7.264000	4.8	
2-Nitrotoluene	14.66 #	14.41 - 14.91	5.711920	5.913000	-3.5	
4-Nitrotoluene	15.42 #	15.17 - 15.67	7.920400	8.711000	-10.0	
2-Amino-4,6-Dinitrotoluene	15.72 #	15.47 - 15.97	11.76620	10.83500	7.9	
1,3-Dinitrobenzene/3NT	16.16 #	15.91 - 16.41	6.832840	6.824500	0.1	
3,4-Dinitrotoluene	17.46 #	17.21 - 17.71	4.934880	5.007000	-1.5	
2,6-Dinitrotoluene	18.89 #	18.64 - 19.14	4.818040	4.916000	-2.0	
2,4-Dinitrotoluene	21.84 #	21.58 - 22.08	8.291800	8.460000	-2.0	
1,3,5-Trinitrobenzene	24.96 #	24.69 - 25.23	5.464920	5.559000	-1.7	
Tetryl	28.70 #	28.27 - 29.13	3.417600	3.473000	-1.6	
2,4,6-TNT	32.34 #	31.90 - 32.78	3.872920	3.888000	-0.4	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - ICV CF) divided by Ave CF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/felix/Felix.i/FA0207.b/FA020710.D		
Injection Date	: 02-OCT-2007 16:06		
Sample Info	: STD04 1000PPB METHOD 8330		
Misc. Info	: Method 8330		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-02 20X
Instrument ID	: Felix.i	Operator	: MY
Method	: 8330syn92207mnx.m	Sublist	: 8330
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type:	CCALIB_4
Column	: EtPh	Column Size:	0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
HMX	8.13	7.87 - 8.37	5.394200	5.459000	-1.2	
RDX	8.66	8.40 - 8.90	7.026760	7.004000	0.3	
Nitrobenzene	11.35	11.08 - 11.58	11.31864	11.99600	-6.0	
4-Amino-2,6-Dinitrotoluene	14.24	13.98 - 14.48	7.630080	7.324000	4.0	
2-Nitrotoluene	14.68	14.41 - 14.91	5.711920	6.004000	-5.1	
4-Nitrotoluene	15.44	15.17 - 15.67	7.920400	8.650000	-9.2	
2-Amino-4,6-Dinitrotoluene	15.73	15.47 - 15.97	11.76620	10.83900	7.9	
1,3-Dinitrobenzene/3NT	16.18	15.91 - 16.41	6.832840	6.917500	-1.2	
3,4-Dinitrotoluene	17.47	17.21 - 17.71	4.934880	5.044000	-2.2	
2,6-Dinitrotoluene	18.91	18.64 - 19.14	4.818040	4.934000	-2.4	
2,4-Dinitrotoluene	21.86	21.58 - 22.08	8.291800	8.498000	-2.5	
1,3,5-Trinitrobenzene	24.98	24.69 - 25.23	5.464920	5.578000	-2.1	
Tetryl	28.72	28.27 - 29.13	3.417600	3.515000	-2.8	
2,4,6-TNT	32.37	31.90 - 32.78	3.872920	3.917000	-1.1	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/felix/Felix.i/FA0207.b/FA020716.D		
Injection Date	: 02-OCT-2007 20:00		
Sample Info	: STD04 1000PPB METHOD 8330		
Misc. Info	: Method 8330		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-02 20X
Instrument ID	: Felix.i	Operator	: MY
Method	: 8330syn92207mnx.m	Sublist	: 8330
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type:	CCALIB_4
Column	: EtPh	Column Size:	0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
HMX	8.14	7.87 - 8.37	5.394200	5.473000	-1.5	
RDX	8.67	8.40 - 8.90	7.026760	7.009000	0.3	
Nitrobenzene	11.36	11.08 - 11.58	11.31864	11.90300	-5.2	
4-Amino-2,6-Dinitrotoluene	14.28	13.98 - 14.48	7.630080	7.428000	2.6	
2-Nitrotoluene	14.70	14.41 - 14.91	5.711920	5.954000	-4.2	
4-Nitrotoluene	15.46	15.17 - 15.67	7.920400	8.611000	-8.7	
2-Amino-4,6-Dinitrotoluene	15.77	15.47 - 15.97	11.76620	11.07400	5.9	
1,3-Dinitrobenzene/3NT	16.20	15.91 - 16.41	6.832840	6.829000	0.1	
3,4-Dinitrotoluene	17.51	17.21 - 17.71	4.934880	5.088000	-3.1	
2,6-Dinitrotoluene	18.95	18.64 - 19.14	4.818040	4.941000	-2.6	
2,4-Dinitrotoluene	21.91	21.58 - 22.08	8.291800	8.468000	-2.1	
1,3,5-Trinitrobenzene	25.04	24.69 - 25.23	5.464920	5.563000	-1.8	
Tetryl	28.82	28.27 - 29.13	3.417600	3.556000	-4.0	
2,4,6-TNT	32.47	31.90 - 32.78	3.872920	3.903000	-0.8	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/felix/Felix.i/FA0207.b/FA020721.D		
Injection Date	: 02-OCT-2007 23:15		
Sample Info	: STD04 1000PPB METHOD 8330		
Misc. Info	: Method 8330		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-02 20X
Instrument ID	: Felix.i	Operator	: MY
Method	: 8330syn92207mnx.m	Sublist	: 8330
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_4
Column	: EtPh	Column Size	: 0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
HMX	8.14	7.87 - 8.37	5.394200	5.391000	0.1	
RDX	8.67	8.40 - 8.90	7.026760	6.939000	1.2	
Nitrobenzene	11.36	11.08 - 11.58	11.31864	11.70500	-3.4	
4-Amino-2,6-Dinitrotoluene	14.29	13.98 - 14.48	7.630080	7.332000	3.9	
2-Nitrotoluene	14.72	14.41 - 14.91	5.711920	5.850000	-2.4	
4-Nitrotoluene	15.47	15.17 - 15.67	7.920400	8.552000	-8.0	
2-Amino-4,6-Dinitrotoluene	15.79	15.47 - 15.97	11.76620	11.07500	5.9	
1,3-Dinitrobenzene/3NT	16.21	15.91 - 16.41	6.832840	6.747000	1.3	
3,4-Dinitrotoluene	17.53	17.21 - 17.71	4.934880	4.948000	-0.3	
2,6-Dinitrotoluene	18.97	18.64 - 19.14	4.818040	4.863000	-0.9	
2,4-Dinitrotoluene	21.93	21.58 - 22.08	8.291800	8.359000	-0.8	
1,3,5-Trinitrobenzene	25.06	24.69 - 25.23	5.464920	5.496000	-0.6	
Tetryl	28.86	28.27 - 29.13	3.417600	3.417000	0.0	
2,4,6-TNT	32.51	31.90 - 32.78	3.872920	3.830000	1.1	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B092807HORWLS

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB39

Run Sequence: R022102

Matrix: (SOIL/WATER) Water

Lab Sample ID: B092807HORWLS

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: OA010705.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SPE

Date Extracted: 09/28/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 10/01/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.50	U
121-82-4	RDX	0.50	U
99-35-4	1,3,5-Trinitrobenzene	0.50	U
99-65-0	1,3-Dinitrobenzene	0.50	U
98-95-3	Nitrobenzene	0.50	U
479-45-8	Tetryl	0.50	U
118-96-7	2,4,6-Trinitrotoluene	0.50	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.50	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.50	U
606-20-2	2,6-Dinitrotoluene	0.50	U
121-14-2	2,4-Dinitrotoluene	0.50	U
88-72-2	2-Nitrotoluene	0.50	U
99-99-0	4-Nitrotoluene	0.50	U
99-08-1	3-Nitrotoluene	0.50	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S092807HORWLS

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB39

Run Sequence: R022102

Matrix: (SOIL/WATER) Water

Lab Sample ID: S092807HORWLS

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: OA010706.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SPE

Date Extracted: 09/28/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 10/01/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	21.8	
121-82-4	RDX	21.5	
99-35-4	1,3,5-Trinitrobenzene	20.0	
99-65-0	1,3-Dinitrobenzene	19.6	PZ
98-95-3	Nitrobenzene	19.9	
479-45-8	Tetryl	18.4	
118-96-7	2,4,6-Trinitrotoluene	21.3	
19406-51-0	4-Amino-2,6-dinitrotoluene	17.8	
35572-78-2	2-Amino-4,6-dinitrotoluene	18.8	
606-20-2	2,6-Dinitrotoluene	19.1	
121-14-2	2,4-Dinitrotoluene	18.6	
88-72-2	2-Nitrotoluene	18.2	
99-99-0	4-Nitrotoluene	19.7	
99-08-1	3-Nitrotoluene	17.7	PZ

Comments:

CONFIRMATION SUMMRY WORKSHEET FOR SINGLE COMPONENT ANALYTES

Client Sample ID

S092807HORWLS

Lab Name: Laucks Testing Labs, Inc.

Lab Sample ID: S092807HORWLS

Instrument ID: HPLC5 (Oscar) Run Sequence ID: R022102

Column (1): Allure C18 Column (2): Synergi - EtPH

File (1): OA0107.b-OA010706.D File (2): FA0207.b-FA020706.D

Date Analyzed (1): 10/1/2007 2:53:00 PM Date Analyzed (2): 10/2/2007 1:30:00 PM

ANALYTE	COL	CONCENTRATION Final Units: ug/L		RPD	RT	RT Window
HMX	1	21.8121	X	6.7 %	4.58	4.32 - 4.82
	2	23.3306			8.14	7.87 - 8.37
RDX	1	21.4883	X	0.3 %	8.00	7.70 - 8.20
	2	21.4267			8.68	8.40 - 8.90
1,3,5-Trinitrobenzene	1	19.3861		3.3 %	11.57	11.27 - 11.77
	2	20.0332	X		25.01	24.71 - 25.21
1,3-Dinitrobenzene	1	19.6443	X	61.6 %	14.29	13.98 - 14.48
	2	37.1339			16.23	15.91 - 16.41
Nitrobenzene	1	19.7358		0.7 %	16.76	16.46 - 16.96
	2	19.8761	X		11.36	11.08 - 11.58
Tetryl	1	16.905		8.7 %	15.97	15.66 - 16.16
	2	18.4369	X		28.78	28.45 - 28.95
2,4,6-Trinitrotoluene	1	18.1487		16.1 %	19.44	19.12 - 19.62
	2	21.3224	X		32.43	32.09 - 32.59
4-Amino-2,6-dinitrotoluen	1	17.5073		1.7 %	20.14	19.75 - 20.35
	2	17.8111	X		14.26	13.93 - 14.53
2-Amino-4,6-dinitrotoluen	1	18.8143	X	6.1 %	21.24	20.85 - 21.45
	2	17.7016			15.76	15.42 - 16.02
2,6-Dinitrotoluene	1	18.1663		5.2 %	22.59	22.21 - 22.79
	2	19.1364	X		18.94	18.61 - 19.19
2,4-Dinitrotoluene	1	17.5736		5.5 %	23.50	23.12 - 23.70
	2	18.5714	X		21.89	21.55 - 22.13
2-Nitrotoluene	1	17.8191		2.3 %	28.43	27.95 - 28.67
	2	18.2426	X		14.70	14.30 - 15.02

X = Concentration Reported

CONFIRMATION SUMMRY WORKSHEET FOR SINGLE COMPONENT ANALYTES

Client Sample ID

S092807HORWLS

Lab Name: Laucks Testing Labs, Inc.

Lab Sample ID: S092807HORWLS

Instrument ID: HPLC5 (Oscar) Run Sequence ID: R022102

Column (1): Allure C18 Column (2): Synergi - EtPH

File (1): OA0107.b-OA010706.D File (2): FA0207.b-FA020706.D

Date Analyzed (1): 10/1/2007 2:53:00 PM Date Analyzed (2): 10/2/2007 1:30:00 PM

ANALYTE	COL	CONCENTRATION Final Units: ug/L		RPD	RT	RT Window
4-Nitrotoluene	1	17.8815		9.9 %	30.91	30.38 - 31.18
	2	19.7414	X		15.46	15.02 - 15.82
3-Nitrotoluene	1	17.6939	X	70.9 %	33.23	32.66 - 33.54
	2	37.1339			16.23	15.72 - 16.60

X = Concentration Reported

Forms Summary

CAB39

Ordnance by Method 8332

2
WATER ORDNANCE SURROGATE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

SDG No.: CAB39 Run Sequence: R021967

(LAB SAMPLE ID) CLIENT SAMPLE NUMBER	S1 (DNT) #	S2 () #	S3 () #	S4 () #	TOT OUT
(CAB39-005) 16L4MW03AW	132				0
(CAB39-004) 16L4MW03BW	132				0
(CAB39-003) 16L4MW03AW	136				0
(CAB39-001) 16L4MW04AW	138				0
(S092607HORWLG2) S092607HORWLG2	143 *				1
(B092607HORWLG) B092607HORWLG	133				0

QC LIMITS

S1 (DNT) = 3,4-Dinitrotoluene 60-140
S2 () =
S3 () =
S4 () =

Column to be used to flag recovery values
* Values outside of contract required QC limits

3B
WATER ORDNANCE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R021967 SDG No.: CAB39

BS Lab Sample ID: S092607HORWLG2

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
Nitroglycerin	10.0	11.3271	113	60-140
PETN	5.00	5.2926	106	60-140

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

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

ORDNANCE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.
B092607HORWLG

Lab Name: Laucks Testing Labs Contract: N/A

Lab Sample ID: B092607HORWLG SDG No.: CAB39

Matrix: (SOIL/WATER) Water Date Prepared: 09/26/2007

Lab File ID (1): O92709.b-09270704.D Lab File ID (2): _____

Date Analyzed (1): 09/27/2007 Date Analyzed (2): _____

Time Analyzed (1): 12:10 Time Analyzed (2): _____

Instrument ID (1): HPLC5 (Oscar) Instrument ID (2): _____

Column(1): Varian C18 ID: 4.60 (mm) Column(2): _____ ID: _____ (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC SAMPLES:

CLIENT SAMPLE NO.	LAB SAMPLE ID	COL	LAB FILE ID	DATE/TIME ANALYZED	RUN SEQUENCE
16L4MW04AW	CAB39-001	1	O9270706.D	09/27/2007 13:02	R021967
16L4MW03AW	CAB39-003	1	O9270707.D	09/27/2007 13:28	R021967
16L4MW03BW	CAB39-004	1	O9270708.D	09/27/2007 13:54	R021967
16L4MW03AW	CAB39-005	1	O9270709.D	09/27/2007 14:20	R021967
S092607HORWLG2	S092607HORWLG2	1	O9270705.D	09/27/2007 12:36	R021967

COMMENTS: _____

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW04AW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB39

Run Sequence: R021967

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB39-001

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: O9270706.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/21/2007

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/27/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
55-63-0	Nitroglycerin	2.4	U
78-11-5	PETN	1.1	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW03AW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB39

Run Sequence: R021967

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB39-003

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: O9270707.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/21/2007

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/27/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
55-63-0	Nitroglycerin	2.4	U
78-11-5	PETN	1.1	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW03BW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB39

Run Sequence: R021967

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB39-004

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: O9270708.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/21/2007

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/27/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
55-63-0	Nitroglycerin	2.4	U
78-11-5	PETN	1.1	U

Comments:

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW03AW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB39

Run Sequence: R021967

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB39-005

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: O9270709.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/21/2007

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/27/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
55-63-0	Nitroglycerin	2.4	U
78-11-5	PETN	1.1	U

Comments:

SUM - 89

Laucks Testing Labs
Initial Calibration Linearity Summary

Start Cal Date: 10-JUL-2006 11:17
End Cal Date : 10-JUL-2006 13:05
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\SNAP568564B\tek4\Oscar.i\071006ng.b\071006NG.m
Sublist : all.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //SNAP568564B/tek4/Oscar.i/071006ng.b/07100601.D
Level 2: //SNAP568564B/tek4/Oscar.i/071006ng.b/07100602.D
Level 3: //SNAP568564B/tek4/Oscar.i/071006ng.b/07100603.D
Level 4: //SNAP568564B/tek4/Oscar.i/071006ng.b/07100604.D
Level 5: //SNAP568564B/tek4/Oscar.i/071006ng.b/07100605.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave CF	%RSD
1 Nitroglycerin	348.3440	362.3640	357.0210	378.5100	373.9440	364.0366	3.4
3 PETN	384.2240	428.2400	383.0820	416.1968	409.5208	404.2527	4.9
2 3,4-Dinitrotoluene	833.5840	891.7440	836.9660	887.3984	879.7140	865.8817	3.3
Average RSD :							3.9

Amount = Response divided by CF

CF - Calibration Factor (response divided by concentration).
RSD - Relative Standard Deviation.

Laucks Testing Labs
Initial Calibration Retention Time Summary

Start Cal Date: 10-JUL-2006 11:17
End Cal Date : 10-JUL-2006 13:05
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\SNAP568564B\tek4\Oscar.i\O71006ng.b\071006NG.m
Sublist : all.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100601.D
Level 2: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100602.D
Level 3: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100603.D
Level 4: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100604.D
Level 5: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100605.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave RT
1 Nitroglycerin	9.46	9.44	9.45	9.45	9.44	9.449
3 PETN	17.39	17.36	17.36	17.36	17.36	17.369
2 3,4-Dinitrotoluene	10.33	10.31	10.32	10.32	10.31	10.316

Retention times are expressed as minutes.

SUM - 91

Laucks Testing Labs
Initial Calibration Amounts Summary

Start Cal Date: 10-JUL-2006 11:17
End Cal Date : 10-JUL-2006 13:05
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\SNAP568564B\tek4\Oscar.i\O71006ng.b\071006NG.m
Sublist : all.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100601.D
Level 2: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100602.D
Level 3: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100603.D
Level 4: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100604.D
Level 5: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100605.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
1 Nitroglycerin	250.00	500.00	1000.00	2500.00	5000.00
3 PETN	125.00	250.00	500.00	1250.00	2500.00
2 3,4-Dinitrotoluene	125.00	250.00	500.00	1250.00	2500.00

Standard concentrations are expressed as ng/mL.

Laucks Testing Labs
Initial Calibration Response Summary

Start Cal Date: 10-JUL-2006 11:17
End Cal Date : 10-JUL-2006 13:05
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\SNAP568564B\tek4\Oscar.i\O71006ng.b\071006NG.m
Sublist : all.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100601.D
Level 2: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100602.D
Level 3: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100603.D
Level 4: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100604.D
Level 5: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100605.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
1 Nitroglycerin	87086.000	181182.00	357021.00	946275.00	1869720.0
3 PETN	48028.000	107060.00	191541.00	520246.00	1023802.0
2 3,4-Dinitrotoluene	104198.00	222936.00	418483.00	1109248.0	2199285.0

Response is in Area units.

Laucks Testing Labs
Initial Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/O92709.b/O9270703.D		
Injection Date	: 27-SEP-2007 11:38		
Sample Info	: STD04 1000PPB METHOD 8332		
Misc. Info	: ICV		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-16-04 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: 071006NG.m	Sublist	: all
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type:	CCALIB_3
Column	: C18	Column Size:	0.15m L- 4.60mm ID

Compound	RT	RT Window	Average CF	ICV CF	%D	Flag
Nitroglycerin	9.49 #	9.24 - 9.74	364.0366	364.7480	-0.2	
3,4-Dinitrotoluene	10.48 #	10.22 - 10.72	865.8817	880.6080	-1.7	
PETN	17.64 #	17.39 - 17.89	404.2527	394.1900	2.5	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - ICV CF) divided by Ave CF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/O92709.b/O9270712.D		
Injection Date	: 27-SEP-2007 15:38		
Sample Info	: STD04 1000PPB METHOD 8332		
Misc. Info	: Method 8332		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-16-04 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: 071006NG.m	Sublist	: all
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: C18	Column Size	: 0.15m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
Nitroglycerin	9.49	9.24 - 9.74	364.0366	367.6340	-1.0	
3,4-Dinitrotoluene	10.49	10.22 - 10.72	865.8817	896.1320	-3.5	
PETN	17.69	17.39 - 17.89	404.2527	402.5080	0.4	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B092607HORWLG

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB39

Run Sequence: R021967

Matrix: (SOIL/WATER) Water

Lab Sample ID: B092607HORWLG

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: O9270704.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/27/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
55-63-0	Nitroglycerin	2.5	U
78-11-5	PETN	1.2	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S092607HORWLG2

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB39

Run Sequence: R021967

Matrix: (SOIL/WATER) Water

Lab Sample ID: S092607HORWLG2

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: O9270705.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/27/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
55-63-0	Nitroglycerin	11.3	
78-11-5	PETN	5.29	

Comments:

FORMS SUMMARY

CAB39

Miscellaneous Inorganics

Laucks Testing Laboratories, Inc.

Final Results

Client:	PBS Engineering and Environmental	**Project:**	Camp Bonneville
SDG Number:	CAB39		
Sample Number:	16L4MW04AW	**Date/Time Collected:**	09/21/2007 09:45
Lab Sample ID:	CAB39-001	**Date/Time Received:**	09/24/2007 08:15
Method:	E314.0	**Unit:**	ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	1	29		1.0	0.14	10/09/2007	10/10/2007	R022291

FORM LTL-RSR-27.0

Laucks Testing Laboratories, Inc.

Final Results

Client:	PBS Engineering and Environmental	**Project:**	Camp Bonneville
SDG Number:	CAB39		
Sample Number:	16L4MW03AWRX	**Date/Time Collected:**	09/21/2007 11:10
Lab Sample ID:	CAB39-003	**Date/Time Received:**	09/24/2007 08:15
Method:	E314.0	**Unit:**	ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	94		2.0	0.28	10/16/2007	10/17/2007	R022593

FORM LTL-RSR-27.0

Laucks Testing Laboratories, Inc.

Final Results

Client:	PBS Engineering and Environmental	**Project:**	Camp Bonneville
SDG Number:	CAB39		
Sample Number:	16L4MW03BW	**Date/Time Collected:**	09/21/2007 13:00
Lab Sample ID:	CAB39-004	**Date/Time Received:**	09/24/2007 08:15
Method:	E314.0	**Unit:**	ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	1	43		1.0	0.14	10/09/2007	10/10/2007	R022291

FORM LTL-RSR-27.0

Laucks Testing Laboratories, Inc.

Final Results

Client:	PBS Engineering and Environmental	**Project:**	Camp Bonneville
SDG Number:	CAB39		
Sample Number:	16L4MW03AW	**Date/Time Collected:**	09/21/2007 14:15
Lab Sample ID:	CAB39-005	**Date/Time Received:**	09/24/2007 08:15
Method:	E314.0	**Unit:**	ug/L

Sent 11/5/07

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	1	41		1.0	0.14	10/09/2007	10/10/2007	R022291

FORM LTL-RSR-27.0

Laucks Testing Laboratories, Inc.

INITIAL AND CONTINUING CALIBRATION VERIFICATION

SDG No: CAB39 Contract:

Run Sequence No. R022291 Concentration Units: ug/L

Determination Name: 314.0 Perchlorate

Initial Calibration Source: IC-7-26-11

Continuing Calbration Source: IC-7-26-13

Analyte	ICV 10/10/2007 8:00				CCV1 10/10/07 08:00						CCV
	True	Found	Recovery	Limits	True	Found	Recovery	True	Found	Recovery	Limits
Perchlorate	40.151	38.943	97	75-125	9.988	9.531	95.4				85-115

* = Percent recovery not within control limits

Laucks Testing Laboratories, Inc.

INITIAL AND CONTINUING CALIBRATION VERIFICATION

SDG No: CAB39 Contract:

Run Sequence No. R022593 Concentration Units: ug/L

Determination Name: 314.0 Perchlorate

Initial Calibration Source: IC-7-26-11

Continuing Calbration Source: IC-7-26-13

Analyte	ICV 10/17/2007 5:00				CCV1 10/17/07 05:00						CCV
	True	Found	Recovery	Limits	True	Found	Recovery	True	Found	Recovery	Limits
Perchlorate	40.151	40.293	100.4	75-125	9.988	9.799	98.1				85-115

* = Percent recovery not within control limits

Laucks Testing Laboratories, Inc.

INITIAL AND CONTINUING CALIBRATION BLANKS

SDG No: **CAB39** Contract:

Run	Determination	Sample	Analyzed	Analyte	Result	Unit	Limit
R022291	314.0 Perchlorate	ICB	10/10/2007	Perchlorate	1.0 U	ug/L	0.500000
	314.0 Perchlorate	CCB1	10/10/2007	Perchlorate	1.0 U	ug/L	0.500000
R022593	314.0 Perchlorate	ICB	10/17/2007	Perchlorate	1.0 U	ug/L	0.500000
	314.0 Perchlorate	CCB1	10/17/2007	Perchlorate	1.0 U	ug/L	0.500000

* = Control limit exceeded

Laucks Testing Labs

Blank Report

Test: 314.0 Perchlorate

Lab Sample ID: B100907PERW01

SDG ID: CAB39
Preparation Date: 10/9/2007
Run Sequence ID: R022291
Analysis Date: 10/10/2007 08:00
Units: ug/L
Matrix: Water

Analyte	Reported	Flag	Limit
Perchlorate	1.0	U	0.5

Associated Samples	
Lab Sample ID	**Client Sample ID**
CAB39-001	16L4MW04AW
CAB39-003	16L4MW03AW
CAB39-004	16L4MW03BW
CAB39-005	16L4MW03AW

KDG 11/5/07

* Measured blank concentration exceeded the established control limit

Laucks Testing Labs

Blank Report

Test: 314.0 Perchlorate

Lab Sample ID: B101607P02

SDG ID: CAB39
Preparation Date: 10/16/2007
Run Sequence ID: R022593
Analysis Date: 10/17/2007 05:00
Units: ug/L
Matrix: Water

Analyte	Reported	Flag	Limit
Perchlorate	1.0	U	0.5

Associated Samples	
Lab Sample ID	**Client Sample ID**
CAB39-003 2x	16L4MW03AWRX

* Measured blank concentration exceeded the established control limit

Laucks Testing Laboratories

Matrix Spike/Matrix Spike Duplicate Report

Test:	314.0 Perchlorate	SDG ID:	CAB39
		Preparation Date:	10/09/2007
MS Lab Sample ID:	CAB39-005MS 5X	Run Sequence ID:	R022291
MSD Lab Sample ID:	CAB39-005MSD 5X	Analysis Date:	10/10/2007
Client Sample ID:	16L4MW03AW	Units:	ug/L
		Matrix:	Water

Analyte	Sample Found	MS Spike	MS Found	MS Recovery	MSD Spike	MSD Found	MSD Recovery	RPD	Limits	
									Recovery	RPD
Perchlorate	41.229	99.9	137.05	96%	99.9	135.285	94%	1%	80-120	15

Associated Samples	
Lab Sample ID	Client Sample ID
CAB39-001	16L4MW04AW
CAB39-003	16L4MW03AW
CAB39-004	16L4MW03BW
CAB39-005	16L4MW03AW

KNC 11/5/07

* = RPD or percent recovery is outside established control limits

= This RPD or percent recovery is not flagged as an exceedence because the Sample Found amount is five times or more than the Spike Added amount.

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

Laucks Testing Laboratories

BS/BSD Report

Test:	314.0 Perchlorate	SDG ID:	CAB39
		Preparation Date:	10/09/2007
BS Sample ID:	S100907	Run Sequence ID:	R022291
BSD Sample ID:	SD100907	Analysis Date:	10/10/2007 08:00
		Units:	ug/L
		Matrix	Water

Analyte	Blank Spike			Blank Spike Duplicate			RPD	Limits	
	Added	Found	Recovery	Added	Found	Recovery		Recovery	RPD
Perchlorate	20.0	17.996	90%	20.0	18.489	93%	3%	85-115	15

Associated Samples	
Lab Sample ID	Client Sample ID
CAB39-001	16L4MW04AW
CAB39-003	16L4MW03AW
CAB39-004	16L4MW03BW
CAB39-005	16L4MW02AW

KMC 11/5/07

* = RPD or recovery is outside the established control limits

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

Laucks Testing Laboratories

BS/BSD Report

Test:	314.0 Perchlorate	SDG ID:	CAB39
		Preparation Date:	10/16/2007
BS Sample ID:	S101607P01	Run Sequence ID:	R022593
BSD Sample ID:	S101607P01D	Analysis Date:	10/17/2007 05:00
		Units:	ug/L
		Matrix	Water

Analyte	Blank Spike			Blank Spike Duplicate			RPD	Limits	
	Added	Found	Recovery	Added	Found	Recovery		Recovery	RPD
Perchlorate	20.0	18.9134	95%	20.0	18.9735	95%	0%	85-115	15

Associated Samples	
Lab Sample ID	Client Sample ID
CAB39-003 2x	16L4MW03AWRX

* = RPD or recovery is outside the established control limits

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.

2

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Laucks Testing Labs Contract:

SDG No.: CAB39 Run Sequence: R022192

Level: (LOW/MED) NONE

CLIENT SAMPLE NUMBER	SMC1 (DBF) #	SMC2 (DCA) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
(CAB39-005) 5 pave 11/16/07 16L4MW03AW	104	106	101	112	0
(CAB39-004) 16L4MW03BW	101	104	103	110	0
(B100507MVOWM1) B100507MVOWM1	101	98	101	111	0
(S100507MVOWM2) S100507MVOWM2	98	102	99	94	0

		QC LIMITS
SMC1 (DBF) =	Dibromofluoromethane	85-115
SMC2 (DCA) =	1,2-Dichloroethane-d4	70-120
SMC3 (TOL) =	Toluene-d8	85-120
SMC4 (BFB) =	4-Bromofluorobenzene	75-120

Column to be used to flag recovery values
* Values outside of contract required QC limits

Revised KVG 11/16/07

SUM - 3

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

5 KWG 11/16/07

16L4MW03AW

Lab Name: _____ Contract: _____

SDG No.: CAB39 Run Sequence: R022192

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB39-005

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1005011.D

Level: (LOW/MED) _____ Date Collected: 09/21/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/05/2007 17:50

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	0.41	J
591-78-6	2-Hexanone	5.0	U

SUM - 23

Revised KWG 11/16/07

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

5 KW 11/16/07

16L4MW03AW

Lab Name: _____ Contract: _____

SDG No.: CAB39 Run Sequence: R022192

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB39-005

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1005011.D

Level: (LOW/MED) _____ Date Collected: 09/21/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/05/2007 17:50

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
179601-23	m,p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

Comments:

Revised KW 11/16/07

LAUCKS TESTING LABORATORIES

SAMPLE DATA PACKAGE

PBS ENGINEERING
&
ENVIRONMENTAL

SDG NO.: CAB40

November 12, 2007

LAUCKS TESTING LABORATORIES
940 S. Harney
Seattle, WA 98108

To: PBS Engineering & Environmental
Project Name: Camp Bonneville
SDG No.: CAB40
Date of Report: 11/12/2007

SAMPLE RECEIPT, IDENTIFICATION, AND GENERAL COMMENTS:

Sample Receipt and Identification:

The samples submitted under the laboratory number(s) indicated above were identified and analyzed as tabulated below. The samples were collected and received on the dates noted on the enclosed chain-of-custody copies, Attachment A.

Client Sample Identification	Laucks Sample Identification	Testing Analytical Request
Trip Blank	CAB40-001	VOA
16L4MW02BW	CAB40-002	VOA/ORD/INO
16L4MW02AW	CAB40-003	VOA/ORD/INO

Analytical Request Key:

VOA =	Volatile Organics (8260B)
ORD =	Ordnance (8330) PETN/Nitroglycerin (8332)
INO =	Perchlorate (314.0)

Sample Receipt Comments:

The following discrepancies were noted in association with the receipt of these samples.

Two of four amber glass bottles for sample #2 (16L4MW02BW) were received broken. One of three volatiles bottles submitted for sample #1 (Trip Blank) contained bubbles of less than 1/4 inch in size. The client was notified of discrepancies on September 25, 2007 via email.

LAUCKS TESTING LABORATORIES
940 S. Harney
Seattle, WA 98108

GENERAL REMARKS ON ORGANIC ANALYSES:

The following comments describe general analysis conditions. For remarks specific to the samples reported in this case, see "SPECIFIC REMARKS ON ORGANIC ANALYSIS."

Manual Integrations:
One or more analytes may have been manually integrated on the data system quantitation reports. All manual integrations have been flagged, initialed, and dated by the analyst. A list of the manual integration flags is detailed below.

M	Manual integration due to irregular peak shape
MS	Manual integration due to split peak
MR	Manual integration due to retention time shift
MI	Manual integration of correct isomer
MT	Manual integration due to peak tailing
MB	Manual integration due to irregular baseline

Holding Time Compliance:

Volatile Organic Compounds:

The holding time is 14 days calculated from date of collection in both soil and water samples. All samples were analyzed within holding time.

Ordnance, PETN/Nitroglycerin, Picric Acid

The holding time to extraction is 7 days in water and 14 days in soil calculated from date of collection. The holding time from extraction to analysis is 40 days. All samples were extracted and analyzed within holding time.

Volatile Fraction (8260):

Initial Calibration Verification:
In the ICV performed on 9/27/2007 1,1-dichloroethene exceeded 25% due to decreased response and carbon disulfide exceeded 25% due to increased response. Because analysis of the daily second source S100507MVOWM2 yielded recoveries for these analytes that were within 25%, no further action was taken.

Ordnance Fraction:
Analysis of sample extract 16L4MW02BW resulted in the detection of RDX that exceeded the linear calibration range. The extract was diluted accordingly and reanalyzed. Both sets of data have been submitted.

PETN/Nitroglycerin Fraction:

Surrogate Recovery:
Analysis of the blank spike prepared on 09/26/2007 yielded a surrogate recovery that slightly exceeded the upper control limit. Because all other surrogates were in control, no further action was taken.

SPECIFIC REMARKS ON INORGANIC ANALYSES:

Holding Time Compliance:

Laucks calculates holding time compliance for inorganic determinations using the date on which reportable data were acquired.

Metals:

The holding time for metals is six months from the date of collection, excepting mercury, which is 28 days. All analyses were performed within holding time.

Miscellaneous:

The following analytes do not have a Contract Laboratory Program holding time. The holding times tabulated below derive from the relevant EPA methods and are applicable when the sample was appropriately preserved and/or cooled. All samples submitted followed the preservation guidelines unless explicitly noted otherwise.

Analyte	Holding Time	Violations
Perchlorate	28 days	None

Miscellaneous Inorganics:

No comments.

LAUCKS TESTING LABORATORIES
940 S. Harney
Seattle, WA 98108

ABBREVIATIONS

Several abbreviations can appear in our reports. The most commonly employed abbreviations are as follows:

U The analyte of interest was not detected to the limit of detection indicated.

SDL Sample Detection Limit. The SDL can vary from sample to sample, depending on sample size, matrix interferences, moisture content and other sample-specific conditions.

PQL Practical Quantitation Limit. The limit is drawn from the test method and usually represents the SDL multiplied by a matrix-specific factor.

DB Dry Basis. The value reported has been back-calculated to normalize for the moisture content of the sample.

AR As-Received. The value has not been normalized for moisture.

ORGANIC ANALYSES:

B When used in relation to organics fractions, the "B" flag indicates that the analyte of interest was detected in the method blank associated with the sample, as well as in the sample itself. The "B" flag is applied without regard to the relative concentrations detected in the blank and sample.

J The analyte of interest was detected below the routine reporting limit. This value should be regarded as an estimate.

T The flagged values represent the SUM of two co-eluting compounds. The SUM of these two values is shown as though it were a result for each of them. The two figures should not be added together.

E The flagged value was reported from an analysis that exceeded the linear range of the instrument. See additional comments for further discussion of the circumstances. Values so flagged should be considered estimates.

P When a dual column GC technique is employed, this flag indicates that test results from the two columns differ by more than 25%. Generally, we report the higher value.

C The flagged analyte has been confirmed by GC/MS analysis. The value reported may be derived from either the initial of confirmatory (GC/MS) analysis. See specific report comments for details.

CRQL Client requested Quantitation Limit, usually the limit of detection specified at your request. Might also be referred to as Contract Required Quantitation Limit.

LAUCKS TESTING LABORATORIES
940 S. Harney
Seattle, WA 98108

INORGANIC ANALYSES:

J 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). If the analyte was analyzed for but not detected, a "U" shall be entered.

E The reported value is estimated because of the presence of interference. The serial dilution was not within control limits.

N Spiked sample recovery not within control limits.

* Duplicate analysis not within control limits.

CRDL Client Requested Detection Limit, usually the limit of detection specified at your request. Might also be referred to as Contract Required Detection Limit.

LAUCKS TESTING LABORATORIES
940 S. Harney
Seattle, WA 98108

RELEASE OF DATA

Laucks certifies that these results meet all requirements of the NELAC standards, except where otherwise noted.

"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 his designee, as verified by the following signature."

Respectfully submitted,

Kara Godineaux
Project Manager

11/9/07
(DATE)

Harry Romberg
Quality Assurance Officer

11/9/07
(DATE)

HOW TO CONTACT US:

All Laucks Testing Laboratories staff members can be reached at the same telephone and facsimile numbers: (206) 767-5060 by phone, (206) 767-5063 by FAX.

REQUESTS FOR DUPLICATE COPIES:

This packet has been checked for accuracy. All pages are present and in sequential order. Please see Attachment B for a detailed record.

In the event that duplicate data copies are needed, Laucks will accommodate your request at a fee of twenty-five cents ($0.25) per copy, plus shipping. If the data are in storage, there will also be a fee for retrieval.

LAUCKS TESTING LABORATORIES
940 S. Harney
Seattle, WA 98108

ATTACHMENT A

Chain-of-Custody Copies

LAUCKS TESTING LABORATORIES, INC. - SAMPLE CONFIRMATION LOG

Sample ID (SDG-#)	VTSR	Collected On	Client ID	314.0 Perchlorate	8260B VOCs (LTL Routine)	8330 Explosives Residues	8332 Nitroglycerin & PETN
CAB40-**001**	09/25/2007 08:35 AM	09/24/2007 12:00 AM	Trip Blank		IN		
CAB40-**002**	09/25/2007 08:35 AM	09/24/2007 10:45 AM	16L4MW02BW	IN	IN	IN	IN
CAB40-**003**	09/25/2007 08:35 AM	09/24/2007 12:00 PM	16L4MW02AW	IN	IN	IN	IN

Approved By: Kim Godreaux **On:** 9/25/07

Notes:

Samples identified with a '*' client has requested QC for

LEGEND: -:Started , +:Completed , IN:Logged In , P:Preparation , A:Analysis , X:Cancelled, PL:Pre-logged

FORM LTL-PM-8.0

4303

THIS INFORMATION WILL BE USED FOR REPORTING/BILLING* (SEE BELOW)

COMPANY: PBS ENG + ENV.
ADDRESS: 4412 SW CORBETT PTLD. OR 97239
ATTENTION: DREW HARVEY
PROJECT NAME: CAMP BONNEVILLE
PROJECT CONTACT: SAME
TELEPHONE: 503-417-7693 FAX:
JOB/P.O. NO.: 70489.00 T6208

CHAIN OF CUSTODY RECORD

44359

SDG # CAB40

PAGE 1 OF 1

WORK ORDER ID# _____

SUBMITTED AT:

Laucks Testing Laboratories, Inc.
X 940 South Harney St., Seattle, WA 98108 (206) 767-5060 FAX 767-5063
☐ 1106 Ledwich Ave., Yakima, WA 98902 (509) 248-4695 FAX 452-1265

10

TESTS TO PERFORM

LAB SA#	SAMPLE ID / LOCATION	DATE	TIME	MATRIX: WATER, SOIL OR SPECIFY	NO. OF CONTAINERS	PETN/NG	EXPLOSIVES	PERCHLORATE	VOCs by 8260		OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
1	TRIP BLANK	9/24/07	—	W	1				X		
2	16L4MW02BW	1	10:45	W	8	X	X	X	X		
3	16L4MW02AW	1	12:00	W	8	X	X	X	X		

A. A standard turnaround time is assumed unless otherwise marked.

B. The laboratory may not be responsible for missed holding time for samples received with less than 50% of the analytical hold time remaining. Please contact the laboratory for further information.

INSTRUCTIONS

1. USE ONE LINE PER SAMPLE.
2. BE SPECIFIC IN TEST REQUESTS.
3. CHECK OFF TESTS TO BE PERFORMED FOR EACH SAMPLE.

BILLING INFORMATION IF DIFFERENT THAN ABOVE

NAME ADDRESS

ATTN. CITY, STATE, ZIP

*** RUSH TURNAROUND IS SUBJECT TO PRIOR LABORATORY APPROVAL**

TOTAL NO. OF CONTAINERS

TURNAROUND REQUEST

X STD. 10-14 WORKING DAYS
* ☐ 24-48 HRS. (100% SUR)
* ☐ 72 HRS. (75% SUR)
* ☐ 5 DAYS (50% SUR)
☐ OTHER:
☐ TEMP:

CUSTODY SEAL: ☐ Y ☐ N ☐ N/A

RELINQUISHED BY (SIGN AND PRINT)	DATE / TIME	RECEIVED BY (SIGN AND PRINT)	DATE / TIME
Barb Lary PBS / BARB LARY	9/24/07 3:00pm	Zoriah Wells	9/25/07 08:35

Finance Charges and/or Collection Fees may be applied to delinquent accounts.

FINAL REPORT COPY

Cooler Receipt Form
Laucks Testing Laboratories, Inc.

SDG: CAB40 Taken By: CLIENT

Cooler: AAP071 Transferred: FED EX

COC #: 44359

Project: Camp Bonneville (PBS Engineering and Environmental)

Date samples were received at the laboratory: **9/25/2007**

Date cooler was opened: **9/25/2007 8:35AM**

A. PRELIMINARY EXAMINATION PHASE:

1. Did cooler come with a shipping slip (airbill, etc.)? ..... **YES**
   if YES, record carrier name and airbill number: **8620 5446 9026**
2. Were custody seals unbroken and intact at the date and time of arrival? ..... **INTACT**
   Date On Custody Seal: Custody Seals Description: **ONE IN FRONT.**
3. Were custody papers sealed in a plastic bag and taped inside to the lid? ..... **YES**
4. Did you screen samples for radioactivity using the Geiger Counter? ..... **NO**
5. Were custody papers filled out properly (ink, signed, etc.)? ..... **YES**
6. Did you sign custody papers in the appropriate place? ..... **YES**
7. If required, was enough cooling material present? ..... **YES**
8. Have designated person initial here to acknowledge receipt of cooler: _____

B. LOG-IN PHASE:

Date samples were logged in: **9/25/2007 8:45AM**

Logged-in by Zoriah Weith (sign) _____

9. Describe type of packing in cooler:

   ICE

10. Were all bottles sealed in separate plastic bags? ..... **NO**
11. Were labels in good condition? ..... **YES**
12. Were all bottle labels complete (ID,date,time signature,preservative,etc.)? ..... **YES**
13. Did all bottle labels agree with custody papers? ..... **YES**
14. Were correct containers used for the tests indicated? ..... **YES**
15. Were the correct pHs observed? ..... **YES**
16. Was a sufficient amount of sample sent for tests indicated? ..... **YES**
17. Were bubbles absent in VOA samples? ..... **NO**
18. Temperatures: **1.4**

DISCREPANCIES:

TWO OF FOUR AMNBER GLASS BOTTLES FOR SAMPLE 2 WERE RECEIVED BROKEN. ONE OF ONE VIAL FOR SAMPLE 1 RECEIVED WITH AIR BUBBLS < 1/4".

Supplemental Sample Receipt Log
Laucks Testing Laboratories

SDG: CAB40
Cooler: AAP071
Temperatures: 1.4
COC #: 44359

Sample	Bottle #	Bottle Description	pH	Bubbles
CAB40-001	0001	40 ml OTWS, clear glass, HCl	N/C	< 1/4
CAB40-002	0001	1000 mL boston round, amber glass	7	N/A
	0002	1000 mL boston round, amber glass	7	N/A
	0003	40 ml OTWS, clear glass, HCl	N/C	None
	0004	40 ml OTWS, clear glass, HCl	N/C	None
	0005	40 ml OTWS, clear glass, HCl	N/C	None
	0006	500 ml cylinder, poly	7	N/A
CAB40-003	0001	1000 mL boston round, amber glass	7	N/A
	0002	1000 mL boston round, amber glass	7	N/A
	0003	1000 mL boston round, amber glass	7	N/A
	0004	1000 mL boston round, amber glass	7	N/A
	0005	40 ml OTWS, clear glass, HCl	N/C	None
	0006	40 ml OTWS, clear glass, HCl	N/C	None
	0007	40 ml OTWS, clear glass, HCl	N/C	None
	0008	500 ml cylinder, poly	7	N/A

Allowable temperature and pH ranges (neutral pH defined as a value between 5 and 9)

Temperature	Allowable temperature range is 4+/- 2 degrees Celsius
Acid Preserved pH	pH must be less than 2
Base Preserved pH	pH must be greater than 12
NC	Not Checked for pH

ATTACHMENT B

Index

LAUCKS TESTING LABORATORIES
940 S. Harney
Seattle, WA 98108

PBS Engineering & Environmental

SDG No.: CAB40

Completed and checked by: Jenni Gross Date: 11/12/07

FORMS SUMMARY

SDG CAB40

VOLATILES ANALYSIS

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Laucks Testing Labs Contract:

SDG No.: CAB40 Run Sequence: R022192

Level: (LOW/MED) NONE

CLIENT SAMPLE NUMBER	SMC1 (DBF) #	SMC2 (DCA) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
(CAB40-003) 16L4MW02AW	102	106	101	113	0
(CAB40-002) 16L4MW02BW	106	104	102	111	0
(CAB40-001) Trip Blank	99	102	102	109	0
(B100507MVOWM1) B100507MVOWM1	101	98	101	111	0
(S100507MVOWM2) S100507MVOWM2	98	102	99	94	0

		QC LIMITS
SMC1 (DBF) =	Dibromofluoromethane	85-115
SMC2 (DCA) =	1,2-Dichloroethane-d4	70-120
SMC3 (TOL) =	Toluene-d8	85-120
SMC4 (BFB) =	4-Bromofluorobenzene	75-120

Column to be used to flag recovery values
* Values outside of contract required QC limits

3B
WATER VOLATILE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R022192 SDG No.: CAB40

BS Lab Sample ID: S100507MVOWM2

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
Dichlorodifluoromethane	50.0	30.37	61	30-155
Chloromethane	50.0	36.38	73	40-125
Vinyl chloride	50.0	41.08	82	50-145
Bromomethane	50.0	44.04	88	30-145
Chloroethane	50.0	43.37	87	60-135
Trichlorofluoromethane	50.0	43.31	87	60-145
1,1-Dichloroethene	50.0	45.11	90	70-130
Acetone	50.0	47.32	95	40-140
Carbon disulfide	50.0	54.52	109	35-160
Methylene chloride	50.0	43.98	88	55-140
trans-1,2-Dichloroethene	50.0	45.38	91	60-140
1,1-Dichloroethane	50.0	45.56	91	70-135
cis-1,2-Dichloroethene	50.0	46.04	92	70-125
2-Butanone	50.0	48.65	97	30-150
Chloroform	50.0	41.62	83	65-135
1,1,1-Trichloroethane	50.0	45.41	91	65-130
Carbon tetrachloride	50.0	45.12	90	65-140
Benzene	50.0	42.27	85	80-120
1,2-Dichloroethane	50.0	43	86	70-130
Trichloroethene	50.0	42.39	85	70-125
1,2-Dichloropropane	50.0	42.69	85	75-125
Bromodichloromethane	50.0	43.54	87	75-120
cis-1,3-Dichloropropene	50.0	41.81	84	70-130
4-Methyl-2-pentanone	50.0	43.51	87	60-135
Toluene	50.0	41.82	84	75-120
trans-1,3-Dichloropropene	50.0	48.61	97	55-140
1,1,2-Trichloroethane	50.0	41.2	82	75-125
Tetrachloroethene	50.0	44.08	88	45-150
2-Hexanone	50.0	45.27	91	55-130
Dibromochloromethane	50.0	47.51	95	60-135
Chlorobenzene	50.0	41.78	84	80-120
Ethylbenzene	50.0	45.43	91	75-125
m,p-Xylene	100	86.29	86	75-130
o-Xylene	50.0	43.27	87	80-120

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

Spike Recovery: 0 out of 37 outside limits

COMMENTS:

3B
WATER VOLATILE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R022192 SDG No.: CAB40

BS Lab Sample ID: S100507MVOWM2

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
Styrene	50.0	42.06	84	65-135
Bromoform	50.0	44.61	89	70-130
1,1,2,2-Tetrachloroethane	50.0	41.4	83	65-130

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

Spike Recovery: 0 out of 37 outside limits

COMMENTS:

4

VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

B100507MVOWM1

Lab Name: Laucks Testing Labs Contract:

SDG No.: CAB40

Lab File ID: M1005007.D Lab Sample ID: B100507MVOWM1

Date Analyzed: 10/05/2007 Time Analyzed: 16:03

GC Column: ZB-624 20m ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: 5973M Moby Matrix: Water

	CLIENT SAMPLE NO.	LAB SAMPLE ID.	LAB FILE ID.	DATE ANALYZED	TIME ANALYZED	RUN SEQUENCE
01	S100507MVOWM2	S100507MVOWM2	M1005004.D	10/05/2007	14:44	R022192
02	Trip Blank	CAB40-001	M1005008.D	10/05/2007	16:30	R022192
03	16L4MW02BW	CAB40-002	M1005018.D	10/05/2007	20:58	R022192
04	16L4MW02AW	CAB40-003	M1005019.D	10/05/2007	21:25	R022192
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

COMMENTS:

CLIENT SAMPLE NO.

BFBM4

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Laucks Testing Labs Contract:

Run Sequence: CAL1140 SDG No.: CAB40

Lab File ID: M0927019.D BFB Injection Date: 09/27/2007

Instrument ID: 5973M Moby BFB Injection Time: 12:37

GC Column ZB-624 20m ID: 0.18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15% to 40% of mass 95	17.1
75	30% to 60% of mass 95	47
95	base peak, 100% relative abundance	100
96	5% to 9% of mass 95	6.8
173	less than 2% of mass 174	0.7()1
174	greater than 50% of mass 95	93.9
175	5% to 9% of mass 17	7.5()1
176	greater than 95%, but less than 101% of mass 174	95.6()1
177	5% to 9% of mass 176	7.1()2

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

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0.3	VSTD0.3	M0927021.D	09/27/2007	13:56
02	VSTD0.5	VSTD0.5	M0927022.D	09/27/2007	14:23
03	VSTD001	VSTD001	M0927023.D	09/27/2007	14:50
04	VSTD005	VSTD005	M0927024.D	09/27/2007	15:17
05	VSTD010	VSTD010	M0927025.D	09/27/2007	15:44
06	VSTD050	VSTD050	M0927026.D	09/27/2007	16:11
07	VSTD100	VSTD100	M0927027.D	09/27/2007	16:37
08	VSTD200	VSTD200	M0927028.D	09/27/2007	17:04
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

CLIENT SAMPLE NO.

BFB/VSTD050M1

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022192 SDG No.: CAB40

Lab File ID: M1005003.D BFB Injection Date: 10/05/2007

Instrument ID: 5973M Moby BFB Injection Time: 14:11

GC Column ZB-624 20m ID: 0.18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15% to 40% of mass 95	16.4
75	30% to 60% of mass 95	46.2
95	base peak, 100% relative abundance	100
96	5% to 9% of mass 95	6.9
173	less than 2% of mass 174	0.5()1
174	greater than 50% of mass 95	102.2
175	5% to 9% of mass 17	7()1
176	greater than 95%, but less than 101% of mass 174	96.9()1
177	5% to 9% of mass 176	6.8()2

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

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050M1	VSTD050M1	M1005003a.d	10/05/2007	14:11
02	S100507MVOWM2	S100507MVOWM2	M1005004.D	10/05/2007	14:44
03	B100507MVOWM1	B100507MVOWM1	M1005007.D	10/05/2007	16:03
04	Trip Blank	CAB40-001	M1005008.D	10/05/2007	16:30
05	16L4MW02BW	CAB40-002	M1005018.D	10/05/2007	20:58
06	16L4MW02AW	CAB40-003	M1005019.D	10/05/2007	21:25
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022192 SDG No.: CAB40

Client Sample No.(VSTD050##): VSTD050M1 Date Analyzed: 10/05/2007

Lab File ID (Standard): M1005003a.d Time Analyzed: 14:11

Instrument ID: 5973M Moby Heated Purge: (Y/N) N

GC Column: ZB-624 20m ID: 0.18 (mm)

		IS1 (FBZ) AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DCB) AREA #	RT #
	12 HOUR STD	673299	6.43	412666	9.58	233601	11.89
	UPPER LIMIT	1346598	6.93	825332	10.08	467202	12.39
	LOWER LIMIT	336649.5	5.93	206333	9.08	116800.5	11.39
	CLIENT SAMPLE NO.						
01	S100507MVOWM2	780189	6.43	466309	9.58	271452	11.89
02	B100507MVOWM1	547460	6.43	303960	9.58	131330	11.89
03	Trip Blank	516904	6.43	290094	9.58	128553	11.89
04	16L4MW02BW	531624	6.43	290180	9.58	123361	11.89
05	16L4MW02AW	504331	6.43	280179	9.58	117924	11.89
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (FBZ) = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

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

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Trip Blank

Lab Name: _____ Contract: _____

SDG No.: CAB40 Run Sequence: R022192

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB40-001

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1005008.D

Level: (LOW/MED) _____ Date Collected: 09/24/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/05/2007 16:30

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Trip Blank

Lab Name: _____ Contract: _____

SDG No.: CAB40 Run Sequence: R022192

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB40-001

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1005008.D

Level: (LOW/MED) _____ Date Collected: 09/24/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/05/2007 16:30

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
179601-23	m,p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

Comments:

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW02BW

Lab Name: _____ Contract: _____

SDG No.: CAB40 Run Sequence: R022192

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB40-002

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1005018.D

Level: (LOW/MED) _____ Date Collected: 09/24/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/05/2007 20:58

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	74	
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	28	
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	45	
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	0.22	J
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	0.53	J
591-78-6	2-Hexanone	5.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW02BW

Lab Name: _____ Contract: _____

SDG No.: CAB40 Run Sequence: R022192

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB40-002

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1005018.D

Level: (LOW/MED) _____ Date Collected: 09/24/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/05/2007 20:58

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
179601-23	m,p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

Comments:

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW02AW

Lab Name: _____ Contract: _____

SDG No.: CAB40 Run Sequence: R022192

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB40-003

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1005019.D

Level: (LOW/MED) _____ Date Collected: 09/24/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/05/2007 21:25

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW02AW

Lab Name: _____ Contract: _____

SDG No.: CAB40 Run Sequence: R022192

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: CAB40-003

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1005019.D

Level: (LOW/MED) _____ Date Collected: 09/24/2007

% Moisture: not dec. _____ Date/Time Analyzed: 10/05/2007 21:25

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
179601-23	m,p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

Comments:

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022192 SDG No.: CAB40

Instrument ID: 5973M Moby Calibration Dates: 09/27/2007 17:04

Heated Purge: (Y/N) N Calibration Times: 09/27/2007 17:04

GC Column: ZB-624 20m ID: 0.18 (mm) Mean % RSD: 7.83

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8	$\overline{RF}$	%RSD	r^2 COD	Eq Ty
Dichlorodifluoromethane	0.3		0.5	4.800E-02	1	1.200E-01	5	1.170E-01	10	1.310E-01	50	1.390E-01	100	1.289E-01	200	1.369E-01	0.117		0.999	L
Chloromethane	0.3		0.5	2.070E-01	1	2.579E-01	5	2.500E-01	10	2.310E-01	50	2.220E-01	100	2.160E-01	200	2.140E-01	0.228	8.44		A
Vinyl chloride	0.3		0.5	1.550E-01	1	2.440E-01	5	2.280E-01	10	2.380E-01	50	2.319E-01	100	2.300E-01	200	2.420E-01	0.224	13.93		A
Bromomethane	0.3		0.5	1.080E-01	1	1.540E-01	5	1.380E-01	10	1.400E-01	50	1.360E-01	100	1.390E-01	200	1.330E-01	0.135	10.13		A
Chloroethane	0.3		0.5	1.380E-01	1	1.750E-01	5	1.570E-01	10	1.540E-01	50	1.490E-01	100	1.490E-01	200	1.470E-01	0.153	7.54		A
Trichlorofluoromethane	0.3		0.5	1.230E-01	1	2.879E-01	5	2.800E-01	10	2.930E-01	50	3.089E-01	100	3.080E-01	200	3.290E-01	0.276		0.999	L
1,1-Dichloroethene	0.3		0.5	2.800E-01	1	2.280E-01	5	2.440E-01	10	2.360E-01	50	2.380E-01	100	2.389E-01	200	2.480E-01	0.245	6.79		A
Acetone	0.3		5	4.400E-02	10	3.999E-02	50	3.400E-02	100	3.200E-02	200	3.200E-02					0.036	15.17		A
Carbon disulfide	0.3		0.5	4.690E-01	1	4.580E-01	5	5.580E-01	10	5.709E-01	50	6.039E-01	100	5.770E-01	200	6.480E-01	0.555	12.42		A
Methylene chloride	0.3		0.5	2.385E+00	1	1.131E+00	5	4.530E-01	10	3.770E-01	50	2.860E-01	100	2.739E-01	200	2.780E-01	0.741		1.000	L
trans-1,2-Dichloroethene	0.3		0.5	2.840E-01	1	2.960E-01	5	3.160E-01	10	3.120E-01	50	3.330E-01	100	3.310E-01	200	3.529E-01	0.318	7.38		A
1,1-Dichloroethane	0.3		0.5	5.730E-01	1	5.249E-01	5	5.230E-01	10	5.130E-01	50	5.230E-01	100	5.120E-01	200	5.270E-01	0.528	3.88		A
cis-1,2-Dichloroethene	0.3		0.5	2.930E-01	1	2.840E-01	5	3.120E-01	10	3.140E-01	50	3.420E-01	100	3.370E-01	200	3.529E-01	0.319	8.04		A
2-Butanone	0.3		5	4.800E-02	10	4.899E-02	50	5.799E-02	100	5.999E-02	200	6.199E-02					0.056	11.88		A
Chloroform	0.3	6.269E-01	0.5	5.920E-01	1	5.249E-01	5	5.140E-01	10	4.939E-01	50	5.099E-01	100	4.910E-01	200	5.030E-01	0.532	9.38		A
1,1,1-Trichloroethane	0.3		0.5	3.759E-01	1	3.580E-01	5	4.100E-01	10	4.059E-01	50	4.330E-01	100	4.190E-01	200	4.269E-01	0.404	6.83		A
Carbon tetrachloride	0.3		0.5	3.919E-01	1	3.689E-01	5	3.720E-01	10	3.759E-01	50	4.009E-01	100	3.930E-01	200	4.100E-01	0.388	4.08		A
Benzene	0.3	1.334E+00	0.5	1.375E+00	1	1.321E+00	5	1.370E+00	10	1.345E+00	50	1.403E+00	100	1.376E+0	200	1.396E+00	1.365	2.13		A
1,2-Dichloroethane	0.3		0.5	3.529E-01	1	3.030E-01	5	3.160E-01	10	3.100E-01	50	3.150E-01	100	3.010E-01	200	2.980E-01	0.314	5.88		A
Trichloroethene	0.3		0.5	3.429E-01	1	3.140E-01	5	3.330E-01	10	3.310E-01	50	3.680E-01	100	3.660E-01	200	3.790E-01	0.348	6.78		A
1,2-Dichloropropane	0.3		0.5	2.700E-01	1	2.920E-01	5	2.940E-01	10	2.870E-01	50	3.070E-01	100	2.969E-01	200	2.949E-01	0.292	3.93		A
Bromodichloromethane	0.3		0.5	3.160E-01	1	3.010E-01	5	3.230E-01	10	3.199E-01	50	3.450E-01	100	3.400E-01	200	3.440E-01	0.327	5.07		A
cis-1,3-Dichloropropene	0.3		0.5	2.440E-01	1	2.540E-01	5	3.190E-01	10	3.510E-01	50	4.180E-01	100	4.160E-01	200	4.230E-01	0.347		1.000	Q
4-Methyl-2-pentanone	0.3		1	3.900E-02	5	7.199E-02	10	1.060E-01	50	1.230E-01	100	1.260E-01	200	1.330E-01			0.100		1.000	Q

Eq Ty = Equation Type
Q=Quadratic, L=Linear, A=Average

* SPCCs #

SUM - 15

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022192 SDG No.: CAB40

Instrument ID: 5973M Moby Calibration Dates: 09/27/2007 17:04

Heated Purge: (Y/N) N Calibration Times: 09/27/2007 17:04

GC Column: ZB-624 20m ID: 0.18 (mm) Mean % RSD: 7.83

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6	Std 7	RF 7	Std 8	RF 8	$\overline{RF}$	%RSD	r^2 COD	Eq Ty
Toluene	0.3		0.5	1.419E+00	1	1.324E+00	5	1.342E+00	10	1.308E+00	50	1.318E+00	100	1.264E+0	200	1.227E+00	1.314	4.60		A
trans-1,3-Dichloropropene	0.3		0.5	4.059E-01	1	3.720E-01	5	4.140E-01	10	4.410E-01	50	5.220E-01	100	5.159E-01	200	5.050E-01	0.454	13.33		A
1,1,2-Trichloroethane	0.3		0.5	3.220E-01	1	3.310E-01	5	3.240E-01	10	3.170E-01	50	3.140E-01	100	3.000E-01	200	2.960E-01	0.315	4.03		A
Tetrachloroethene	0.3		0.5	5.569E-01	1	5.080E-01	5	5.360E-01	10	5.370E-01	50	5.519E-01	100	5.350E-01	200	5.400E-01	0.538	2.88		A
2-Hexanone	0.3		1	6.300E-02	5	8.299E-02	10	9.600E-02	50	1.180E-01	100	1.240E-01	200	1.289E-01			0.102		1.000	Q
Dibromochloromethane	0.3		0.5	2.770E-01	1	2.669E-01	5	3.089E-01	10	3.129E-01	50	3.459E-01	100	3.429E-01	200	3.510E-01	0.315	10.77		A
Chlorobenzene	0.3		0.5	1.406E+00	1	1.268E+00	5	1.262E+00	10	1.210E+00	50	1.230E+00	100	1.207E+0	200	1.232E+00	1.259	5.45		A
Ethylbenzene	0.3		0.5	1.692E+00	1	1.724E+00	5	2.033E+00	10	2.056E+00	50	2.217E+00	100	2.211E+0	200	2.250E+00	2.027	11.49		A
m,p-Xylene	0.3		1	6.090E-01	2	6.100E-01	10	8.069E-01	20	8.069E-01	100	8.880E-01	200	8.930E-01	400	9.350E-01	0.793		1.000	Q
o-Xylene	0.3		0.5	4.720E-01	1	5.159E-01	5	6.539E-01	10	6.940E-01	50	8.119E-01	100	8.150E-01	200	8.610E-01	0.689		1.000	Q
Styrene	0.3		0.5	7.350E-01	1	7.699E-01	5	1.191E+00	10	1.210E+00	50	1.397E+00	100	1.423E+0	200	1.539E+00	1.181		1.000	Q
Bromoform	0.3		0.5	1.530E-01	1	1.430E-01	5	1.620E-01	10	1.630E-01	50	2.029E-01	100	2.110E-01	200	2.319E-01	0.181		1.000	Q
1,1,2,2-Tetrachloroethane	0.3		0.5	7.229E-01	1	6.740E-01	5	6.330E-01	10	5.970E-01	50	5.830E-01	100	5.580E-01	200	5.569E-01	0.618	10.08		A
Dibromofluoromethane	25	2.450E-01	25	2.500E-01	30	2.430E-01	35	2.440E-01	40	2.450E-01	45	2.420E-01	50	2.450E-01			0.245	0.91		A
1,2-Dichloroethane-d4	25	2.070E-01	25	2.099E-01	25	2.130E-01	30	2.060E-01	35	2.060E-01	40	2.060E-01	45	2.010E-01	50	2.000E-01	0.206	2.12		A
Toluene-d8	25	1.570E+00	25	1.580E+00	25	1.595E+00	30	1.616E+00	35	1.597E+00	40	1.530E+00	45	1.465E+0	50	1.373E+00	1.541	5.39		A
4-Bromofluorobenzene	25	7.820E-01	25	7.870E-01	25	7.979E-01	30	7.829E-01	35	7.749E-01	40	7.649E-01	45	7.559E-01	50	7.680E-01	0.777	1.73		A

SUM - 16

Eq Ty = Equation Type
Q=Quadratic, L=Linear, A=Average

* SPCCs #

INITIAL
SECOND SOURCE CALIBRATION VERIFICATION

Lab Name: Laucks Testing Laboratories, Inc. Initial Calibration ID: M8260W-092707

Instrument ID: 5973M Moby Concentration Units: ug/L

2nd Source ID: ICV092707MVOWM1

Analyte	Equation Type	Expected	Found	%D
1,1,1,2-Tetrachloroethane	A	50.00	48.95	2.10
1,1,1-Trichloroethane	A	50.00	46.78	6.44
1,1,2,2-Tetrachloroethane	A	50.00	45.21	9.58
1,1,2-Trichloroethane	A	50.00	46.97	6.06
1,1-Dichloroethane	A	50.00	44.72	10.56
1,1-Dichloroethene	A	50.00	36.15	27.70
1,1-Dichloropropene	A	50.00	48.52	2.96
1,2,3-Trichlorobenzene	Q	50.00	46.78	6.44
1,2,3-Trichloropropane	A	50.00	44.81	10.38
1,2,4-Trichlorobenzene	Q	50.00	47.63	4.74
1,2,4-Trimethylbenzene	Q	50.00	46.46	7.08
1,2-Dibromo-3-chloropropane	A	50.00	51.49	2.98
1,2-Dibromoethane	A	50.00	50.00	0.00
1,2-Dichlorobenzene	A	50.00	49.79	0.42
1,2-Dichloroethane	A	50.00	43.51	12.98
1,2-Dichloroethane-d4	A	25.00	22.99	8.04
1,2-Dichloropropane	A	50.00	46.44	7.12
1,3,5-Trimethylbenzene	Q	50.00	46.78	6.44
1,3-Dichlorobenzene	A	50.00	49.94	0.12
1,3-Dichloropropane	A	50.00	48.73	2.54
1,4-Dichlorobenzene	A	50.00	48.46	3.08
1-Chlorohexane	L	50.00	50.47	0.94
2,2-Dichloropropane	A	50.00	48.95	2.10
2-Butanone	A	50.00	49.76	0.48
2-Chlorotoluene	A	50.00	49.59	0.82
2-Hexanone	Q	50.00	47.75	4.50
4-Bromofluorobenzene	A	25.00	23.30	6.80
4-Chlorotoluene	A	50.00	51.22	2.44
4-Isopropyltoluene	Q	50.00	47.60	4.80
4-Methyl-2-pentanone	Q	50.00	47.01	5.98
Acetone	A	50.00	42.16	15.68
Benzene	A	50.00	43.49	13.02
Bromobenzene	A	50.00	46.44	7.12
Bromochloromethane	A	50.00	48.67	2.66
Bromodichloromethane	A	50.00	48.29	3.42
Bromoform	Q	50.00	51.00	2.00
Bromomethane	A	50.00	49.80	0.40
Carbon disulfide	A	50.00	63.09	26.18
Carbon tetrachloride	A	50.00	45.25	9.50
Chlorobenzene	A	50.00	47.49	5.02
Chloroethane	A	50.00	48.09	3.82
Chloroform	A	50.00	43.60	12.80
Chloromethane	A	50.00	42.68	14.64

INITIAL
SECOND SOURCE CALIBRATION VERIFICATION

Lab Name: Laucks Testing Laboratories, Inc. Initial Calibration ID: M8260W-092707

Instrument ID: 5973M Moby Concentration Units: ug/L

2nd Source ID: ICV092707MVOWM1

Analyte	Equation Type	Expected	Found	%D
cis-1,2-Dichloroethene	A	50.00	48.67	2.66
cis-1,3-Dichloropropene	Q	50.00	46.95	6.10
Dibromochloromethane	A	50.00	55.64	11.28
Dibromofluoromethane	A	25.00	24.05	3.80
Dibromomethane	A	50.00	48.43	3.14
Dichlorodifluoromethane	L	50.00	41.97	16.06
Ethyl-t-Butyl Ether(ETBE)	A	50.00	56.80	13.60
Ethylbenzene	A	50.00	50.23	0.46
Hexachlorobutadiene	A	50.00	47.43	5.14
Isopropyl ether	A	50.00	55.68	11.36
Isopropylbenzene	Q	50.00	50.39	0.78
m,p-Xylene	Q	100.00	96.37	3.63
Methyl tert-butyl ether	A	50.00	61.04	22.08
Methylene chloride	L	50.00	41.18	17.64
n-Butylbenzene	Q	50.00	46.24	7.52
n-Propylbenzene	A	50.00	54.21	8.42
Naphthalene	Q	50.00	46.87	6.26
o-Xylene	Q	50.00	49.02	1.96
sec-Butylbenzene	Q	50.00	49.27	1.46
Styrene	Q	50.00	47.49	5.02
t-Amyl Methyl Ether(TAME)	A	50.00	53.96	7.92
t-Butyl Alcohol	A	500.00	494.37	1.13
tert-Butylbenzene	Q	50.00	48.63	2.74
Tetrachloroethene	A	50.00	49.53	0.94
Toluene	A	50.00	45.72	8.56
Toluene-d8	A	25.00	24.52	1.92
trans-1,2-Dichloroethene	A	50.00	44.50	11.00
trans-1,3-Dichloropropene	A	50.00	54.07	8.14
Trichloroethene	A	50.00	46.48	7.04
Trichlorofluoromethane	L	50.00	46.57	6.86
Vinyl chloride	A	50.00	48.02	3.96

Q=Quadratic, L=Linear, A=Average

7

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022192 SDG No.: CAB40

Instrument ID: 5973M Moby Calibration Date: 10/05/2007 Time: 14:11

Lab File ID: quant.csv Init. Calib. Date(s): 09/27/2007

Client Sample No.: VSTD050M1 Init. Calib. Time(s): 12:37

Heated Purge: (Y/N) N GC Column: ZB-624 20m ID: 0.18 (mm)

Compound	Equation Type	RF 50.0	%D	%Drift
Dichlorodifluoromethane	L	0.158		17.40
Chloromethane	A	0.221	3.28	
Vinyl chloride	A	0.237	-5.88	
Bromomethane	A	0.135	0.17	
Chloroethane	A	0.153	0.14	
Trichlorofluoromethane	L	0.319		0.36
1,1-Dichloroethene	A	0.226	7.81	
Acetone	A	0.033	7.79	
Carbon disulfide	A	0.615	-10.86	
Methylene chloride	L	0.270		-6.90
trans-1,2-Dichloroethene	A	0.304	4.27	
1,1-Dichloroethane	A	0.485	8.17	
cis-1,2-Dichloroethene	A	0.312	2.34	
2-Butanone	A	0.053	4.80	
Chloroform	A	0.477	10.39	
1,1,1-Trichloroethane	A	0.395	2.11	
Carbon tetrachloride	A	0.377	2.93	
Benzene	A	1.302	4.65	
1,2-Dichloroethane	A	0.296	5.68	
Trichloroethene	A	0.333	4.31	
1,2-Dichloropropane	A	0.282	3.49	
Bromodichloromethane	A	0.321	1.72	
cis-1,3-Dichloropropene	Q	0.385		-6.48
4-Methyl-2-pentanone	Q	0.105		-12.78
Toluene	A	1.242	5.46	
trans-1,3-Dichloropropene	A	0.476	-4.87	
1,1,2-Trichloroethane	A	0.284	9.83	
Tetrachloroethene	A	0.504	6.32	
2-Hexanone	Q	0.106		-10.70
Dibromochloromethane	A	0.309	1.90	
Chlorobenzene	A	1.144	9.10	
Ethylbenzene	A	2.077	-2.47	

* = %D or %Drift above limit

= %D or %Drift limts are not configured

7

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Laucks Testing Labs Contract:

Run Sequence: R022192 SDG No.: CAB40

Instrument ID: 5973M Moby Calibration Date: 10/05/2007 Time: 14:11

Lab File ID: quant.csv Init. Calib. Date(s): 09/27/2007

Client Sample No.: VSTD050M1 Init. Calib. Time(s): 12:37

Heated Purge: (Y/N) N GC Column: ZB-624 20m ID: 0.18 (mm)

Compound	Equation Type	RF 50.0	%D	%Drift
m,p-Xylene	Q	0.834		-4.64
o-Xylene	Q	0.751		-5.50
Styrene	Q	1.292		-5.62
Bromoform	Q	0.174		-12.12
1,1,2,2-Tetrachloroethane	A	0.540	12.70	
Dibromofluoromethane	A	0.214	12.53	
1,2-Dichloroethane-d4	A	0.186	9.61	
Toluene-d8	A	1.366	11.33	
4-Bromofluorobenzene	A	0.696	10.36	

* = %D or %Drift above limit

= %D or %Drift limts are not configured

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B100507MVOWM1

Lab Name: _____ Contract: _____

SDG No.: CAB40 Run Sequence: R022192

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: B100507MVOWM1

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1005007.D

Level: (LOW/MED) _____ Date Collected: _____

% Moisture: not dec. _____ Date/Time Analyzed: 10/05/2007 16:03

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B100507MVOWM1

Lab Name: _____ Contract: _____

SDG No.: CAB40 Run Sequence: R022192

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: B100507MVOWM1

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1005007.D

Level: (LOW/MED) _____ Date Collected: _____

% Moisture: not dec. _____ Date/Time Analyzed: 10/05/2007 16:03

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
179601-23	m,p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

Comments:

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S100507MVOWM2

Lab Name: _____ Contract: _____

SDG No.: CAB40 Run Sequence: R022192

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: S100507MVOWM2

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1005004.D

Level: (LOW/MED) _____ Date Collected: _____

% Moisture: not dec. _____ Date/Time Analyzed: 10/05/2007 14:44

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	30	
74-87-3	Chloromethane	36	
75-01-4	Vinyl chloride	41	
74-83-9	Bromomethane	44	
75-00-3	Chloroethane	43	
75-69-4	Trichlorofluoromethane	43	
75-35-4	1,1-Dichloroethene	45	
67-64-1	Acetone	47	
75-15-0	Carbon disulfide	55	
75-09-2	Methylene chloride	44	
156-60-5	trans-1,2-Dichloroethene	45	
75-34-3	1,1-Dichloroethane	46	
156-59-2	cis-1,2-Dichloroethene	46	
78-93-3	2-Butanone	49	
67-66-3	Chloroform	42	
71-55-6	1,1,1-Trichloroethane	45	
56-23-5	Carbon tetrachloride	45	
71-43-2	Benzene	42	
107-06-2	1,2-Dichloroethane	43	
79-01-6	Trichloroethene	42	
78-87-5	1,2-Dichloropropane	43	
75-27-4	Bromodichloromethane	44	
10061-01-	cis-1,3-Dichloropropene	42	
108-10-1	4-Methyl-2-pentanone	44	
108-88-3	Toluene	42	
10061-02-	trans-1,3-Dichloropropene	49	
79-00-5	1,1,2-Trichloroethane	41	
127-18-4	Tetrachloroethene	44	
591-78-6	2-Hexanone	45	

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S100507MVOWM2

Lab Name: _____ Contract: _____

SDG No.: CAB40 Run Sequence: R022192

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: S100507MVOWM2

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: M1005004.D

Level: (LOW/MED) _____ Date Collected: _____

% Moisture: not dec. _____ Date/Time Analyzed: 10/05/2007 14:44

GC Column: ZB-624 20m ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
124-48-1	Dibromochloromethane	48	
108-90-7	Chlorobenzene	42	
100-41-4	Ethylbenzene	45	
179601-23	m,p-Xylene	86	
95-47-6	o-Xylene	43	
100-42-5	Styrene	42	
75-25-2	Bromoform	45	
79-34-5	1,1,2,2-Tetrachloroethane	41	

Comments:

Forms Summary

CAB40

Ordnance by Method 8330

2

WATER ORDNANCE SURROGATE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

SDG No.: CAB40 Run Sequence: R022102

(LAB SAMPLE ID) CLIENT SAMPLE NUMBER	S1 (DNT) #	S2 () #	S3 () #	S4 () #	TOT OUT
(CAB40-003) 16L4MW02AW	117				0
(CAB40-002DL) 16L4MW02BWDL	109				0
(CAB40-002) 16L4MW02BW	113				0
(S092807HORWLS) S092807HORWLS	105				0
(B092807HORWLS) B092807HORWLS	105				0

QC LIMITS

S1 (DNT) = 3,4-Dinitrotoluene 60-140

S2 () =

S3 () =

S4 () =

Column to be used to flag recovery values

* Values outside of contract required QC limits

3B
WATER ORDNANCE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R022102 SDG No.: CAB40

BS Lab Sample ID: S092807HORWLS

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
HMX	20.0	21.8121	109	80-115
RDX	20.0	21.4883	107	50-160
1,3,5-Trinitrobenzene	20.0	20.0332	100	65-140
1,3-Dinitrobenzene	20.0	19.6443	98	45-160
Nitrobenzene	20.0	19.8761	99	50-140
Tetryl	20.0	18.4369	92	20-175
2,4,6-Trinitrotoluene	20.0	21.3224	107	50-145
4-Amino-2,6-dinitrotoluene	20.0	17.8111	89	55-155
2-Amino-4,6-dinitrotoluene	20.0	18.8143	94	50-155
2,6-Dinitrotoluene	20.0	19.1364	96	60-135
2,4-Dinitrotoluene	20.0	18.5714	93	60-135
2-Nitrotoluene	20.0	18.2426	91	45-135
4-Nitrotoluene	20.0	19.7414	99	50-130
3-Nitrotoluene	20.0	17.6939	88	50-130

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

Spike Recovery: 0 out of 14 outside limits

COMMENTS:

ORDNANCE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.
B092807HORWLS

Lab Name: Laucks Testing Labs Contract: N/A

Lab Sample ID: B092807HORWLS SDG No.: CAB40

Matrix: (SOIL/WATER) Water Date Prepared: 09/28/2007

Lab File ID (1): OA0107.b-OA010705.D Lab File ID (2): FA0207.b-FA020705.D

Date Analyzed (1): 10/01/2007 Date Analyzed (2):

Time Analyzed (1): 14:14 Time Analyzed (2):

Instrument ID (1): HPLC5 (Oscar) Instrument ID (2): HPLC3 (Felix)

Column(1): Allure C18 ID: 4.60 (mm) Column(2): Synergi - EtPH ID: 4.60 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC SAMPLES:

CLIENT SAMPLE NO.	LAB SAMPLE ID	COL	LAB FILE ID	DATE/TIME ANALYZED	RUN SEQUENCE
16L4MW02BW	CAB40-002	1	OA010707.D	10/01/2007 15:32	R022102
		2	FA020707.D	10/02/2007 14:09	R022102
16L4MW02AW	CAB40-003	1	OA010709.D	10/01/2007 16:50	R022102
		2	FA020709.D	10/02/2007 15:27	R022102
S092807HORWLS	S092807HORWLS	1	OA010706.D	10/01/2007 14:53	R022102
		2	FA020706.D	10/02/2007 13:30	R022102
16L4MW02BWDL	CAB40-002DL	1	OA010708.D	10/01/2007 16:11	R022102
		2	FA020708.D	10/02/2007 14:48	R022102

COMMENTS:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW02BW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB40

Run Sequence: R022102

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB40-002

Sample wt/vol: 1030.0 (g/mL) mL

Lab File ID: OA010707.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/24/2007

Extraction: (Type) SPE

Date Extracted: 09/28/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 10/01/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	3.8	
121-82-4	RDX	86	E
99-35-4	1,3,5-Trinitrobenzene	0.49	U
99-65-0	1,3-Dinitrobenzene	0.49	U
98-95-3	Nitrobenzene	0.49	U
479-45-8	Tetryl	0.49	U
118-96-7	2,4,6-Trinitrotoluene	0.49	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.49	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.49	U
606-20-2	2,6-Dinitrotoluene	0.49	U
121-14-2	2,4-Dinitrotoluene	0.49	U
88-72-2	2-Nitrotoluene	0.49	U
99-99-0	4-Nitrotoluene	0.49	U
99-08-1	3-Nitrotoluene	0.49	U

Comments:

CONFIRMATION SUMMRY WORKSHEET FOR SINGLE COMPONENT ANALYTES

Client Sample ID

16L4MW02BW

Lab Name: Laucks Testing Labs, Inc.

Lab Sample ID: CAB40-002

Instrument ID: HPLC5 (Oscar) Run Sequence ID: R022102

Column (1): Allure C18 Column (2): Synergi - EtPH

File (1): OA0107.b-OA010707.D File (2): FA0207.b-FA020707.D

Date Analyzed (1): 10/1/2007 3:32:00 PM Date Analyzed (2): 10/2/2007 2:09:00 PM

ANALYTE	COL	CONCENTRATION Final Units: ug/L		RPD	RT	RT Window
HMX	1	3.76881	X	0 %	4.58	4.32 - 4.82
	2	3.76708			8.15	7.87 - 8.37
RDX	1	86.2949	X	0.7 %	7.99	7.70 - 8.20
	2	85.6808			8.69	8.40 - 8.90

X = Concentration Reported

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW02BWDL

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB40

Run Sequence: R022102

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB40-002DL

Sample wt/vol: 1030.0 (g/mL) mL

Lab File ID: FA020708.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/24/2007

Extraction: (Type) SPE

Date Extracted: 09/28/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 10/01/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	3.8	
121-82-4	RDX	82	
99-35-4	1,3,5-Trinitrobenzene	2.4	U
99-65-0	1,3-Dinitrobenzene	2.4	U
98-95-3	Nitrobenzene	2.4	U
479-45-8	Tetryl	2.4	U
118-96-7	2,4,6-Trinitrotoluene	2.4	U
19406-51-0	4-Amino-2,6-dinitrotoluene	2.4	U
35572-78-2	2-Amino-4,6-dinitrotoluene	2.4	U
606-20-2	2,6-Dinitrotoluene	2.4	U
121-14-2	2,4-Dinitrotoluene	2.4	U
88-72-2	2-Nitrotoluene	2.4	U
99-99-0	4-Nitrotoluene	2.4	U
99-08-1	3-Nitrotoluene	2.4	U

Comments:

CONFIRMATION SUMMRY WORKSHEET FOR SINGLE COMPONENT ANALYTES

Client Sample ID

16L4MW02BWDL

Lab Name: Laucks Testing Labs, Inc.

Lab Sample ID: CAB40-002DL

Instrument ID: HPLC5 (Oscar) | Run Sequence ID: R022102

Column (1): Allure C18 | Column (2): Synergi - EtPH

File (1): OA0107.b-OA010708.D | File (2): FA0207.b-FA020708.D

Date Analyzed (1): 10/1/2007 4:11:00 PM | Date Analyzed (2): 10/2/2007 2:48:00 PM

ANALYTE	COL	CONCENTRATION Final Units: ug/L		RPD	RT	RT Window
HMX	1	3.73251		2.9 %	4.57	4.32 - 4.82
	2	3.84267	X		8.14	7.87 - 8.37
RDX	1	81.9631		0.5 %	7.99	7.70 - 8.20
	2	82.3757	X		8.67	8.40 - 8.90

X = Concentration Reported

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW02AW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB40

Run Sequence: R022102

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB40-003

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: FA020709.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/24/2007

Extraction: (Type) SPE

Date Extracted: 09/28/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 10/01/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	4.6	
121-82-4	RDX	30	
99-35-4	1,3,5-Trinitrobenzene	0.48	U
99-65-0	1,3-Dinitrobenzene	0.48	U
98-95-3	Nitrobenzene	0.48	U
479-45-8	Tetryl	0.48	U
118-96-7	2,4,6-Trinitrotoluene	0.48	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.48	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.48	U
606-20-2	2,6-Dinitrotoluene	0.48	U
121-14-2	2,4-Dinitrotoluene	0.48	U
88-72-2	2-Nitrotoluene	0.48	U
99-99-0	4-Nitrotoluene	0.48	U
99-08-1	3-Nitrotoluene	0.48	U

Comments:

CONFIRMATION SUMMRY WORKSHEET
FOR SINGLE COMPONENT ANALYTES

Client Sample ID

16L4MW02AW

Lab Name: Laucks Testing Labs, Inc.

Lab Sample ID: CAB40-003

Instrument ID: HPLC5 (Oscar)

Run Sequence ID: R022102

Column (1): Allure C18

Column (2): Synergi - EtPH

File (1): OA0107.b-OA010709.D

File (2): FA0207.b-FA020709.D

Date Analyzed (1): 10/1/2007 4:50:00 PM

Date Analyzed (2): 10/2/2007 3:27:00 PM

ANALYTE	COL	CONCENTRATION Final Units: ug/L		RPD	RT	RT Window
HMX	1	4.47934		2.8 %	4.58	4.32 - 4.82
	2	4.60812	X		8.15	7.87 - 8.37
RDX	1	29.9616	X	1.2 %	8.01	7.70 - 8.20
	2	29.6147			8.69	8.40 - 8.90

X = Concentration Reported

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Laucks Testing Labs
Initial Calibration Linearity Summary

Start Cal Date: 21-SEP-2007 15:23
End Cal Date : 21-SEP-2007 17:59
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\felix\Felix.i\F92107.b\8330syn92207mnx.m
Sublist : 8330MNX.sub
Column : EtPh
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210707.D
Level 2: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210708.D
Level 3: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210709.D
Level 4: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210710.D
Level 5: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210711.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave CF	%RSD
3 MNX	10.60000	9.840000	10.52800	9.899000	9.959000	10.16520	3.6
4 HMX	5.580000	5.220000	5.526000	5.379000	5.266000	5.394200	2.9
5 RDX	7.400000	6.950000	7.108000	6.916000	6.759800	7.026760	3.5
6 Nitrobenzene	11.04000	11.31000	11.32000	11.45000	11.47320	11.31864	1.5
7 4-Amino-2,6-Dinitrotoluene	7.860000	7.570000	7.700000	7.556000	7.464400	7.630080	2.0
8 2-Nitrotoluene	5.660000	5.750000	5.666000	5.726000	5.757600	5.711920	0.8
9 4-Nitrotoluene	7.960000	7.960000	8.002000	7.886000	7.794000	7.920400	1.0
10 2-Amino-4,6-Dinitrotoluene	12.00000	11.62000	11.91000	11.71100	11.59000	11.76620	1.5
11 1,3-Dinitrobenzene/3NT	6.940000	6.855000	6.886000	6.785500	6.697700	6.832840	1.4
13 2,6-Dinitrotoluene	4.960000	4.810000	4.834000	4.777000	4.709200	4.818040	1.9
14 2,4-Dinitrotoluene	8.560000	8.220000	8.344000	8.241000	8.094000	8.291800	2.1

Amount = Response divided by CF

CF Calibration Factor (response divided by concentration).
RSD - Relative Standard Deviation.

Laucks Testing Labs
Initial Calibration Linearity Summary

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave CF	%RSD
15 1,3,5-Trinitrobenzene	5.600000	5.420000	5.542000	5.424000	5.338600	5.464920	1.9
16 Tetryl	3.380000	3.460000	3.494000	3.414000	3.340000	3.417600	1.8
17 2,4,6-TNT	4.060000	3.870000	3.900000	3.801000	3.733600	3.872920	3.2
12 3,4-Dinitrotoluene	5.040000	4.970000	4.992000	4.877000	4.795400	4.934880	2.0
Average RSD :							2.1

Amount = Response divided by CF

CF - Calibration Factor (response divided by concentration).
RSD - Relative Standard Deviation.

Laucks Testing Labs
Initial Calibration Retention Time Summary

Start Cal Date: 21-SEP-2007 15:23
End Cal Date : 21-SEP-2007 17:59
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\felix\Felix.i\F92107.b\8330syn92207mnx.m
Sublist : 8330MNX.sub
Column : EtPh
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210707.D
Level 2: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210708.D
Level 3: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210709.D
Level 4: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210710.D
Level 5: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210711.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave RT
3 MNX	7.92	7.92	7.93	7.92	7.93	7.924
4 HMX	8.23	8.23	8.24	8.23	8.25	8.235
5 RDX	8.78	8.77	8.78	8.77	8.79	8.778
6 Nitrobenzene	11.48	11.47	11.49	11.49	11.51	11.489
7 4-Amino-2,6-Dinitrotoluene	14.49	14.47	14.49	14.49	14.52	14.490
8 2-Nitrotoluene	14.89	14.88	14.90	14.90	14.92	14.897
9 4-Nitrotoluene	15.65	15.63	15.66	15.66	15.68	15.655
10 2-Amino-4,6-Dinitrotoluene	16.01	15.99	16.02	16.03	16.06	16.020
11 1,3-Dinitrobenzene/3NT	16.43	16.40	16.43	16.42	16.44	16.426
13 2,6-Dinitrotoluene	19.21	19.18	19.21	19.23	19.26	19.218
14 2,4-Dinitrotoluene	22.20	22.17	22.22	22.22	22.27	22.215

Retention times are expressed as minutes.

Laucks Testing Labs
Initial Calibration Retention Time Summary

Start Cal Date: 21-SEP-2007 15:23
End Cal Date : 21-SEP-2007 17:59
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\felix\Felix.i\F92107.b\8330syn92207mnx.m
Sublist : 8330MNX.sub
Column : EtPh
Column Size : 0m L - 4.60mm ID

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave RT
15 1,3,5-Trinitrobenzene	25.32	25.30	25.38	25.37	25.42	25.360
16 Tetryl	29.26	29.25	29.35	29.34	29.40	29.319
17 2,4,6-TNT	32.88	32.89	32.99	32.98	33.04	32.956
12 3,4-Dinitrotoluene	17.77	17.75	17.77	17.78	17.81	17.775

Retention times are expressed as minutes.

Laucks Testing Labs
Initial Calibration Amounts Summary

Start Cal Date: 21-SEP-2007 15:23
End Cal Date : 21-SEP-2007 17:59
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\felix\Felix.i\F92107.b\8330syn92207mnx.m
Sublist : 8330MNX.sub
Column : EtPh
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210707.D
Level 2: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210708.D
Level 3: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210709.D
Level 4: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210710.D
Level 5: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210711.D

	Compound	Level 1	Level 2	Level 3	Level 4	Level 5
3	MNX	50.00	100.00	500.00	1000.00	5000.00
4	HMX	50.00	100.00	500.00	1000.00	5000.00
5	RDX	50.00	100.00	500.00	1000.00	5000.00
6	Nitrobenzene	50.00	100.00	500.00	1000.00	5000.00
7	4-Amino-2,6-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00
8	2-Nitrotoluene	50.00	100.00	500.00	1000.00	5000.00
9	4-Nitrotoluene	50.00	100.00	500.00	1000.00	5000.00
10	2-Amino-4,6-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00
11	1,3-Dinitrobenzene/3NT	100.00	200.00	1000.00	2000.00	10000.00
13	2,6-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00
14	2,4-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00

Standard concentrations are expressed as ng/mL.

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Laucks Testing Labs
Initial Calibration Amounts Summary

Start Cal Date: 21-SEP-2007 15:23
End Cal Date : 21-SEP-2007 17:59
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\felix\Felix.i\F92107.b\8330syn92207mnx.m
Sublist : 8330MNX.sub
Column : EtPh
Column Size : 0m L - 4.60mm ID

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
15 1,3,5-Trinitrobenzene	50.00	100.00	500.00	1000.00	5000.00
16 Tetryl	50.00	100.00	500.00	1000.00	5000.00
17 2,4,6-TNT	50.00	100.00	500.00	1000.00	5000.00
12 3,4-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00

Standard concentrations are expressed as ng/mL.

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Laucks Testing Labs
Initial Calibration Response Summary

Start Cal Date: 21-SEP-2007 15:23
End Cal Date : 21-SEP-2007 17:59
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\felix\Felix.i\F92107.b\8330syn92207mnx.m
Sublist : 8330MNX.sub
Column : EtPh
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210707.D
Level 2: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210708.D
Level 3: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210709.D
Level 4: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210710.D
Level 5: //ceres/labdata/hplc/felix/Felix.i/F92107.b/F9210711.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
3 MNX	530.00000	984.00000	5264.0000	9899.0000	49795.000
4 HMX	279.00000	522.00000	2763.0000	5379.0000	26330.000
5 RDX	370.00000	695.00000	3554.0000	6916.0000	33799.000
6 Nitrobenzene	552.00000	1131.0000	5660.0000	11450.000	57366.000
7 4-Amino-2,6-Dinitrotoluene	393.00000	757.00000	3850.0000	7556.0000	37322.000
8 2-Nitrotoluene	283.00000	575.00000	2833.0000	5726.0000	28788.000
9 4-Nitrotoluene	398.00000	796.00000	4001.0000	7886.0000	38970.000
10 2-Amino-4,6-Dinitrotoluene	600.00000	1162.0000	5955.0000	11711.000	57950.000
11 1,3-Dinitrobenzene/3NT	694.00000	1371.0000	6886.0000	13571.000	66977.000
13 2,6-Dinitrotoluene	248.00000	481.00000	2417.0000	4777.0000	23546.000
14 2,4-Dinitrotoluene	428.00000	822.00000	4172.0000	8241.0000	40470.000

Response is in Height units.

Laucks Testing Labs
Initial Calibration Response Summary

Start Cal Date: 21-SEP-2007 15:23
End Cal Date : 21-SEP-2007 17:59
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\felix\Felix.i\F92107.b\8330syn92207mnx.m
Sublist : 8330MNX.sub
Column : EtPh
Column Size : 0m L - 4.60mm ID

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
15 1,3,5-Trinitrobenzene	280.00000	542.00000	2771.0000	5424.0000	26693.000
16 Tetryl	169.00000	346.00000	1747.0000	3414.0000	16700.000
17 2,4,6-TNT	203.00000	387.00000	1950.0000	3801.0000	18668.000
12 3,4-Dinitrotoluene	252.00000	497.00000	2496.0000	4877.0000	23977.000

Response is in Height units.

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Laucks Testing Labs
Initial Calibration Linearity Summary

Start Cal Date: 18-JUL-2007 22:47
End Cal Date : 19-JUL-2007 01:27
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\071807A.b\8330JUL1807.m
Sublist : 8330MNX.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180720.D
Level 2: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180721.D
Level 3: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180722.D
Level 4: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180723.D
Level 5: //ceres/labdata/hplc/oscar/Oscar.i/071807A.b/07180724.D

	Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave CF	%RSD
1	HMX	10.36000	9.720000	10.52600	9.451000	9.429400	9.897280	5.2
4	MNX	12.62000	13.21000	12.95400	13.11200	11.23400	12.62600	6.4
5	RDX	7.440000	7.200000	8.314000	7.449000	7.510600	7.582720	5.6
6	1,3,5-Trinitrobenzene	14.28000	13.64000	14.83000	13.44500	13.59720	13.95844	4.2
7	1,3-Dinitrobenzene	15.30000	14.46000	15.94800	14.62100	14.89880	15.04556	4.0
8	Tetryl	7.940000	7.440000	8.250000	7.503000	7.571600	7.740920	4.4
9	Nitrobenzene	8.460000	8.220000	8.566000	8.386000	8.601000	8.446600	1.8
11	2,4,6-Trinitrotoluene	9.060000	8.520000	9.394000	8.528000	8.622400	8.824880	4.4
12	4-Amino-2,6-Dinitrotoluene	6.100000	5.860000	6.518000	5.900000	5.938000	6.063200	4.5
13	2-Amino-4,6-Dinitrotoluene	8.200000	7.750000	8.562000	7.731000	7.787800	8.006160	4.6
14	2,6-Dinitrotoluene	5.180000	4.970000	5.502000	5.056000	5.131000	5.167800	3.9

Amount = Response divided by CF

CF - Calibration Factor (response divided by concentration).
RSD - Relative Standard Deviation.

Laucks Testing Labs
Initial Calibration Linearity Summary

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Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave CF	%RSD
15 2,4-Dinitrotoluene	9.600000	9.110000	10.15000	9.291000	9.409000	9.512000	4.2
16 2-Nitrotoluene	3.520000	3.370000	3.482000	3.410000	3.505600	3.457520	1.9
17 4-Nitrotoluene	2.860000	2.590000	2.744000	2.672000	2.762600	2.725720	3.7
18 3-Nitrotoluene	3.280000	3.130000	3.220000	3.141000	3.248600	3.203920	2.1
10 3,4-Dinitrotoluene	7.560000	7.250000	7.912000	7.363000	7.424600	7.501920	3.4
Average RSD :							4.0

Amount = Response divided by CF

CF - Calibration Factor (response divided by concentration).
RSD - Relative Standard Deviation.

Laucks Testing Labs
Initial Calibration Retention Time Summary

Start Cal Date: 18-JUL-2007 22:47
End Cal Date : 19-JUL-2007 01:27
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\O71807A.b\8330JUL1807.m
Sublist : 8330MNX.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180720.D
Level 2: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180721.D
Level 3: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180722.D
Level 4: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180723.D
Level 5: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180724.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave RT
1 HMX	4.54	4.54	4.54	4.54	4.55	4.543
4 MNX	6.76	6.76	6.77	6.76	6.77	6.764
5 RDX	7.92	7.92	7.92	7.92	7.92	7.918
6 1,3,5-Trinitrobenzene	11.44	11.45	11.45	11.45	11.45	11.448
7 1,3-Dinitrobenzene	14.16	14.16	14.18	14.16	14.15	14.161
8 Tetryl	15.83	15.84	15.85	15.82	15.82	15.831
9 Nitrobenzene	16.66	16.67	16.68	16.65	16.65	16.662
11 2,4,6-Trinitrotoluene	19.26	19.26	19.27	19.24	19.24	19.252
12 4-Amino-2,6-Dinitrotoluene	19.97	19.98	19.99	19.96	19.96	19.972
13 2-Amino-4,6-Dinitrotoluene	21.06	21.07	21.08	21.04	21.04	21.057
14 2,6-Dinitrotoluene	22.41	22.41	22.42	22.39	22.39	22.405

Retention times are expressed as minutes.

Laucks Testing Labs
Initial Calibration Retention Time Summary

Start Cal Date: 18-JUL-2007 22:47
End Cal Date : 19-JUL-2007 01:27
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\071807A.b\8330JUL1807.m
Sublist : 8330MNX.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave RT
15 2,4-Dinitrotoluene	23.30	23.31	23.31	23.28	23.28	23.295
16 2-Nitrotoluene	28.25	28.24	28.25	28.22	28.22	28.235
17 4-Nitrotoluene	30.68	30.69	30.70	30.67	30.66	30.682
18 3-Nitrotoluene	33.03	33.02	33.02	32.99	33.00	33.012
10 3,4-Dinitrotoluene	17.00	17.01	17.03	17.00	17.00	17.007

Retention times are expressed as minutes.

Laucks Testing Labs
Initial Calibration Amounts Summary

Start Cal Date: 18-JUL-2007 22:47
End Cal Date : 19-JUL-2007 01:27
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\O71807A.b\8330JUL1807.m
Sublist : 8330MNX.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180720.D
Level 2: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180721.D
Level 3: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180722.D
Level 4: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180723.D
Level 5: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180724.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
1 HMX	50.00	100.00	500.00	1000.00	5000.00
4 MNX	50.00	100.00	500.00	1000.00	5000.00
5 RDX	50.00	100.00	500.00	1000.00	5000.00
6 1,3,5-Trinitrobenzene	50.00	100.00	500.00	1000.00	5000.00
7 1,3-Dinitrobenzene	50.00	100.00	500.00	1000.00	5000.00
8 Tetryl	50.00	100.00	500.00	1000.00	5000.00
9 Nitrobenzene	50.00	100.00	500.00	1000.00	5000.00
11 2,4,6-Trinitrotoluene	50.00	100.00	500.00	1000.00	5000.00
12 4-Amino-2,6-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00
13 2-Amino-4,6-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00
14 2,6-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00

Standard concentrations are expressed as ng/mL.

Laucks Testing Labs
Initial Calibration Amounts Summary

Start Cal Date: 18-JUL-2007 22:47
End Cal Date : 19-JUL-2007 01:27
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\071807A.b\8330JUL1807.m
Sublist : 8330MNX.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
15 2,4-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00
16 2-Nitrotoluene	50.00	100.00	500.00	1000.00	5000.00
17 4-Nitrotoluene	50.00	100.00	500.00	1000.00	5000.00
18 3-Nitrotoluene	50.00	100.00	500.00	1000.00	5000.00
10 3,4-Dinitrotoluene	50.00	100.00	500.00	1000.00	5000.00

Standard concentrations are expressed as ng/mL.

SUM - 49

Laucks Testing Labs
Initial Calibration Response Summary

Start Cal Date: 18-JUL-2007 22:47
End Cal Date : 19-JUL-2007 01:27
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\O71807A.b\8330JUL1807.m
Sublist : 8330MNX.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180720.D
Level 2: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180721.D
Level 3: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180722.D
Level 4: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180723.D
Level 5: //ceres/labdata/hplc/oscar/Oscar.i/O71807A.b/O7180724.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
1 HMX	518.00000	972.00000	5263.0000	9451.0000	47147.000
4 MNX	631.00000	1321.0000	6477.0000	13112.000	56170.000
5 RDX	372.00000	720.00000	4157.0000	7449.0000	37553.000
6 1,3,5-Trinitrobenzene	714.00000	1364.0000	7415.0000	13445.000	67986.000
7 1,3-Dinitrobenzene	765.00000	1446.0000	7974.0000	14621.000	74494.000
8 Tetryl	397.00000	744.00000	4125.0000	7503.0000	37858.000
9 Nitrobenzene	423.00000	822.00000	4283.0000	8386.0000	43005.000
11 2,4,6-Trinitrotoluene	453.00000	852.00000	4697.0000	8528.0000	43112.000
12 4-Amino-2,6-Dinitrotoluene	305.00000	586.00000	3259.0000	5900.0000	29690.000
13 2-Amino-4,6-Dinitrotoluene	410.00000	775.00000	4281.0000	7731.0000	38939.000
14 2,6-Dinitrotoluene	259.00000	497.00000	2751.0000	5056.0000	25655.000

Response is in Height units.

Laucks Testing Labs
Initial Calibration Response Summary

SUM - 50

Start Cal Date: 18-JUL-2007 22:47
End Cal Date : 19-JUL-2007 01:27
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\ceres\labdata\hplc\oscar\Oscar.i\071807A.b\8330JUL1807.m
Sublist : 8330MNX.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
15 2,4-Dinitrotoluene	480.00000	911.00000	5075.0000	9291.0000	47045.000
16 2-Nitrotoluene	176.00000	337.00000	1741.0000	3410.0000	17528.000
17 4-Nitrotoluene	143.00000	259.00000	1372.0000	2672.0000	13813.000
18 3-Nitrotoluene	164.00000	313.00000	1610.0000	3141.0000	16243.000
10 3,4-Dinitrotoluene	378.00000	725.00000	3956.0000	7363.0000	37123.000

Response is in Height units.

Laucks Testing Labs
Initial Calibration Verification Summary

Data File : //ceres/labdata/hplc/oscar/Oscar.i/OA0107.b/OA010704.D
Injection Date : 01-OCT-2007 13:33
Sample Info : STD04 1000PPB METHOD 8330
Misc. Info : ICV
Laboratory ID : STD04 1000PPB
Instrument ID : Oscar.i
Method : 8330JUL1807.m
Quantitation : ESTD
Dilution Factor : 1.00
Column : C18

Client ID : HPLC1-17-02 20X
Operator : MY
Sublist : 8330
Integrator : HP Genie
Sample Type: CCALIB_4
Column Size: 0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	ICV CF	%D	Flag
HMX	4.57 #	4.32 - 4.82	9.897280	9.663000	2.4	
RDX	7.95 #	7.70 - 8.20	7.582720	7.597000	-0.2	
1,3,5-Trinitrobenzene	11.52 #	11.27 - 11.77	13.95844	13.71200	1.8	
1,3-Dinitrobenzene	14.23 #	13.98 - 14.48	15.04556	14.85900	1.2	
Tetryl	15.90 #	15.66 - 16.16	7.740920	7.039000	9.1	
Nitrobenzene	16.71 #	16.46 - 16.96	8.446600	8.856000	-4.8	
3,4-Dinitrotoluene	17.10 #	16.85 - 17.35	7.501920	6.671000	11.1	
2,4,6-Trinitrotoluene	19.37 #	19.12 - 19.62	8.824880	7.856000	11.0	
4-Amino-2,6-Dinitrotoluene	20.05 #	19.75 - 20.35	6.063200	5.870000	3.2	
2-Amino-4,6-Dinitrotoluene	21.15 #	20.85 - 21.45	8.006160	7.698000	3.8	
2,6-Dinitrotoluene	22.50 #	22.21 - 22.79	5.167800	5.041000	2.5	
2,4-Dinitrotoluene	23.41 #	23.12 - 23.70	9.512000	9.262000	2.6	
2-Nitrotoluene	28.31 #	27.95 - 28.67	3.457520	3.575000	-3.4	
4-Nitrotoluene	30.78 #	30.38 - 31.18	2.725720	2.793000	-2.5	
3-Nitrotoluene	33.10 #	32.66 - 33.54	3.203920	3.306000	-3.2	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - ICV CF) divided by Ave CF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/OA0107.b/OA010710.D		
Injection Date	: 01-OCT-2007 17:29		
Sample Info	: STD04 1000PPB METHOD 8330		
Misc. Info	: Method 8330		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-02 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: 8330JUL1807.m	Sublist	: 8330
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type:	CCALIB_4
Column	: C18	Column Size:	0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
HMX	4.57	4.32 - 4.82	9.897280	9.565000	3.4	
RDX	7.99	7.70 - 8.20	7.582720	7.526000	0.7	
1,3,5-Trinitrobenzene	11.57	11.27 - 11.77	13.95844	13.64200	2.3	
1,3-Dinitrobenzene	14.29	13.98 - 14.48	15.04556	14.68900	2.4	
Tetryl	16.00	15.66 - 16.16	7.740920	7.032000	9.2	
Nitrobenzene	16.78	16.46 - 16.96	8.446600	8.714000	-3.2	
3,4-Dinitrotoluene	17.19	16.85 - 17.35	7.501920	6.533000	12.9	
2,4,6-Trinitrotoluene	19.45	19.12 - 19.62	8.824880	7.826000	11.3	
4-Amino-2,6-Dinitrotoluene	20.15	19.75 - 20.35	6.063200	5.871000	3.2	
2-Amino-4,6-Dinitrotoluene	21.25	20.85 - 21.45	8.006160	7.769000	3.0	
2,6-Dinitrotoluene	22.59	22.21 - 22.79	5.167800	5.087000	1.6	
2,4-Dinitrotoluene	23.49	23.12 - 23.70	9.512000	9.269000	2.6	
2-Nitrotoluene	28.42	27.95 - 28.67	3.457520	3.503000	-1.3	
4-Nitrotoluene	30.90	30.38 - 31.18	2.725720	2.762000	-1.3	
3-Nitrotoluene	33.22	32.66 - 33.54	3.203920	3.263000	-1.8	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Initial Calibration Verification Summary

Data File	: //ceres/labdata/hplc/felix/Felix.i/FA0207.b/FA020704.D		
Injection Date	: 02-OCT-2007 12:02		
Sample Info	: STD04 1000PPB METHOD8330		
Misc. Info	: ICV		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-02 20X
Instrument ID	: Felix.i	Operator	: MY
Method	: 8330syn92207mnx.m	Sublist	: 8330
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_4
Column	: EtPh	Column Size	: 0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	ICV CF	%D	Flag
HMX	8.12 #	7.87 - 8.37	5.394200	5.457000	-1.2	
RDX	8.65 #	8.40 - 8.90	7.026760	7.026000	0.0	
Nitrobenzene	11.33 #	11.08 - 11.58	11.31864	11.88300	-5.0	
4-Amino-2,6-Dinitrotoluene	14.23 #	13.98 - 14.48	7.630080	7.264000	4.8	
2-Nitrotoluene	14.66 #	14.41 - 14.91	5.711920	5.913000	-3.5	
4-Nitrotoluene	15.42 #	15.17 - 15.67	7.920400	8.711000	-10.0	
2-Amino-4,6-Dinitrotoluene	15.72 #	15.47 - 15.97	11.76620	10.83500	7.9	
1,3-Dinitrobenzene/3NT	16.16 #	15.91 - 16.41	6.832840	6.824500	0.1	
3,4-Dinitrotoluene	17.46 #	17.21 - 17.71	4.934880	5.007000	-1.5	
2,6-Dinitrotoluene	18.89 #	18.64 - 19.14	4.818040	4.916000	-2.0	
2,4-Dinitrotoluene	21.84 #	21.58 - 22.08	8.291800	8.460000	-2.0	
1,3,5-Trinitrobenzene	24.96 #	24.69 - 25.23	5.464920	5.559000	-1.7	
Tetryl	28.70 #	28.27 - 29.13	3.417600	3.473000	-1.6	
2,4,6-TNT	32.34 #	31.90 - 32.78	3.872920	3.888000	-0.4	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - ICV CF) divided by Ave CF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/felix/Felix.i/FA0207.b/FA020710.D		
Injection Date	: 02-OCT-2007 16:06		
Sample Info	: STD04 1000PPB METHOD 8330		
Misc. Info	: Method 8330		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-17-02 20X
Instrument ID	: Felix.i	Operator	: MY
Method	: 8330syn92207mnx.m	Sublist	: 8330
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type:	CCALIB_4
Column	: EtPh	Column Size:	0.25m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
HMX	8.13	7.87 - 8.37	5.394200	5.459000	-1.2	
RDX	8.66	8.40 - 8.90	7.026760	7.004000	0.3	
Nitrobenzene	11.35	11.08 - 11.58	11.31864	11.99600	-6.0	
4-Amino-2,6-Dinitrotoluene	14.24	13.98 - 14.48	7.630080	7.324000	4.0	
2-Nitrotoluene	14.68	14.41 - 14.91	5.711920	6.004000	-5.1	
4-Nitrotoluene	15.44	15.17 - 15.67	7.920400	8.650000	-9.2	
2-Amino-4,6-Dinitrotoluene	15.73	15.47 - 15.97	11.76620	10.83900	7.9	
1,3-Dinitrobenzene/3NT	16.18	15.91 - 16.41	6.832840	6.917500	-1.2	
3,4-Dinitrotoluene	17.47	17.21 - 17.71	4.934880	5.044000	-2.2	
2,6-Dinitrotoluene	18.91	18.64 - 19.14	4.818040	4.934000	-2.4	
2,4-Dinitrotoluene	21.86	21.58 - 22.08	8.291800	8.498000	-2.5	
1,3,5-Trinitrobenzene	24.98	24.69 - 25.23	5.464920	5.578000	-2.1	
Tetryl	28.72	28.27 - 29.13	3.417600	3.515000	-2.8	
2,4,6-TNT	32.37	31.90 - 32.78	3.872920	3.917000	-1.1	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B092807HORWLS

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB40

Run Sequence: R022102

Matrix: (SOIL/WATER) Water

Lab Sample ID: B092807HORWLS

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: OA010705.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SPE

Date Extracted: 09/28/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 10/01/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.50	U
121-82-4	RDX	0.50	U
99-35-4	1,3,5-Trinitrobenzene	0.50	U
99-65-0	1,3-Dinitrobenzene	0.50	U
98-95-3	Nitrobenzene	0.50	U
479-45-8	Tetryl	0.50	U
118-96-7	2,4,6-Trinitrotoluene	0.50	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.50	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.50	U
606-20-2	2,6-Dinitrotoluene	0.50	U
121-14-2	2,4-Dinitrotoluene	0.50	U
88-72-2	2-Nitrotoluene	0.50	U
99-99-0	4-Nitrotoluene	0.50	U
99-08-1	3-Nitrotoluene	0.50	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S092807HORWLS

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB40

Run Sequence: R022102

Matrix: (SOIL/WATER) Water

Lab Sample ID: S092807HORWLS

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: OA010706.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SPE

Date Extracted: 09/28/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 10/01/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	21.8	
121-82-4	RDX	21.5	
99-35-4	1,3,5-Trinitrobenzene	20.0	
99-65-0	1,3-Dinitrobenzene	19.6	PZ
98-95-3	Nitrobenzene	19.9	
479-45-8	Tetryl	18.4	
118-96-7	2,4,6-Trinitrotoluene	21.3	
19406-51-0	4-Amino-2,6-dinitrotoluene	17.8	
35572-78-2	2-Amino-4,6-dinitrotoluene	18.8	
606-20-2	2,6-Dinitrotoluene	19.1	
121-14-2	2,4-Dinitrotoluene	18.6	
88-72-2	2-Nitrotoluene	18.2	
99-99-0	4-Nitrotoluene	19.7	
99-08-1	3-Nitrotoluene	17.7	PZ

Comments:

CONFIRMATION SUMMRY WORKSHEET
FOR SINGLE COMPONENT ANALYTES

Client Sample ID

S092807HORWLS

Lab Name: Laucks Testing Labs, Inc.

Lab Sample ID: S092807HORWLS

Instrument ID: HPLC5 (Oscar) Run Sequence ID: R022102

Column (1): Allure C18 Column (2): Synergi - EtPH

File (1): OA0107.b-OA010706.D File (2): FA0207.b-FA020706.D

Date Analyzed (1): 10/1/2007 2:53:00 PM Date Analyzed (2): 10/2/2007 1:30:00 PM

ANALYTE	COL	CONCENTRATION Final Units: ug/L		RPD	RT	RT Window
HMX	1	21.8121	X	6.7 %	4.58	4.32 - 4.82
	2	23.3306			8.14	7.87 - 8.37
RDX	1	21.4883	X	0.3 %	8.00	7.70 - 8.20
	2	21.4267			8.68	8.40 - 8.90
1,3,5-Trinitrobenzene	1	19.3861		3.3 %	11.57	11.27 - 11.77
	2	20.0332	X		25.01	24.71 - 25.21
1,3-Dinitrobenzene	1	19.6443	X	61.6 %	14.29	13.98 - 14.48
	2	37.1339			16.23	15.91 - 16.41
Nitrobenzene	1	19.7358		0.7 %	16.76	16.46 - 16.96
	2	19.8761	X		11.36	11.08 - 11.58
Tetryl	1	16.905		8.7 %	15.97	15.66 - 16.16
	2	18.4369	X		28.78	28.45 - 28.95
2,4,6-Trinitrotoluene	1	18.1487		16.1 %	19.44	19.12 - 19.62
	2	21.3224	X		32.43	32.09 - 32.59
4-Amino-2,6-dinitrotoluen	1	17.5073		1.7 %	20.14	19.75 - 20.35
	2	17.8111	X		14.26	13.93 - 14.53
2-Amino-4,6-dinitrotoluen	1	18.8143	X	6.1 %	21.24	20.85 - 21.45
	2	17.7016			15.76	15.42 - 16.02
2,6-Dinitrotoluene	1	18.1663		5.2 %	22.59	22.21 - 22.79
	2	19.1364	X		18.94	18.61 - 19.19
2,4-Dinitrotoluene	1	17.5736		5.5 %	23.50	23.12 - 23.70
	2	18.5714	X		21.89	21.55 - 22.13
2-Nitrotoluene	1	17.8191		2.3 %	28.43	27.95 - 28.67
	2	18.2426	X		14.70	14.30 - 15.02

X = Concentration Reported

CONFIRMATION SUMMRY WORKSHEET FOR SINGLE COMPONENT ANALYTES

Client Sample ID

S092807HORWLS

Lab Name: Laucks Testing Labs, Inc.

Lab Sample ID: S092807HORWLS

Instrument ID: HPLC5 (Oscar) Run Sequence ID: R022102

Column (1): Allure C18 Column (2): Synergi - EtPH

File (1): OA0107.b-OA010706.D File (2): FA0207.b-FA020706.D

Date Analyzed (1): 10/1/2007 2:53:00 PM Date Analyzed (2): 10/2/2007 1:30:00 PM

ANALYTE	COL	CONCENTRATION Final Units: ug/L		RPD	RT	RT Window
4-Nitrotoluene	1	17.8815		9.9 %	30.91	30.38 - 31.18
	2	19.7414	X		15.46	15.02 - 15.82
3-Nitrotoluene	1	17.6939	X	70.9 %	33.23	32.66 - 33.54
	2	37.1339			16.23	15.72 - 16.60

X = Concentration Reported

Forms Summary

CAB40

Ordnance by Method 8332

2

WATER ORDNANCE SURROGATE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

SDG No.: CAB40 Run Sequence: R021967

(LAB SAMPLE ID) CLIENT SAMPLE NUMBER	S1 (DNT) #	S2 () #	S3 () #	S4 () #	TOT OUT
(CAB40-003) 16L4MW02AW	119				0
(CAB40-002) 16L4MW02BW	128				0
(S092607HORWLG2) S092607HORWLG2	143 *				1
(B092607HORWLG) B092607HORWLG	133				0

QC LIMITS

S1 (DNT) = 3,4-Dinitrotoluene 60-140

S2 () =

S3 () =

S4 () =

Column to be used to flag recovery values

* Values outside of contract required QC limits

3B
WATER ORDNANCE BLANK SPIKE RECOVERY

Lab Name: Laucks Testing Labs Contract: N/A

BS Run Sequence: R021967 SDG No.: CAB40

BS Lab Sample ID: S092607HORWLG2

Level: N/A Units: ug/L

Analyte	Spike Added	Found	% Rec #	Rec Limit
Nitroglycerin	10.0	11.3271	113	60-140
PETN	5.00	5.2926	106	60-140

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

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

ORDNANCE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.
B092607HORWLG

Lab Name: Laucks Testing Labs Contract: N/A

Lab Sample ID: B092607HORWLG SDG No.: CAB40

Matrix: (SOIL/WATER) Water Date Prepared: 09/26/2007

Lab File ID (1): O92709.b-09270704.D Lab File ID (2): _____

Date Analyzed (1): 09/27/2007 Date Analyzed (2): _____

Time Analyzed (1): 12:10 Time Analyzed (2): _____

Instrument ID (1): HPLC5 (Oscar) Instrument ID (2): _____

Column(1): Varian C18 ID: 4.60 (mm) Column(2): _____ ID: _____ (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC SAMPLES:

CLIENT SAMPLE NO.	LAB SAMPLE ID	COL	LAB FILE ID	DATE/TIME ANALYZED	RUN SEQUENCE
16L4MW02BW	CAB40-002	1	O9270710.D	09/27/2007 14:46	R021967
16L4MW02AW	CAB40-003	1	O9270711.D	09/27/2007 15:12	R021967
S092607HORWLG2	S092607HORWLG2	1	O9270705.D	09/27/2007 12:36	R021967

COMMENTS: _____

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW02BW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB40

Run Sequence: R021967

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB40-002

Sample wt/vol: 1040.0 (g/mL) mL

Lab File ID: O9270710.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/24/2007

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/27/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
55-63-0	Nitroglycerin	2.4	U
78-11-5	PETN	1.2	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

16L4MW02AW

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB40

Run Sequence: R021967

Matrix: (SOIL/WATER) Water

Lab Sample ID: CAB40-003

Sample wt/vol: 1050.0 (g/mL) mL

Lab File ID: O9270711.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 09/24/2007

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/27/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
55-63-0	Nitroglycerin	2.4	U
78-11-5	PETN	1.1	U

Comments:

Laucks Testing Labs
Initial Calibration Linearity Summary

Start Cal Date: 10-JUL-2006 11:17
End Cal Date : 10-JUL-2006 13:05
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\SNAP568564B\tek4\Oscar.i\O71006ng.b\071006NG.m
Sublist : all.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100601.D
Level 2: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100602.D
Level 3: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100603.D
Level 4: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100604.D
Level 5: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100605.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave CF	%RSD
1 Nitroglycerin	348.3440	362.3640	357.0210	378.5100	373.9440	364.0366	3.4
3 PETN	384.2240	428.2400	383.0820	416.1968	409.5208	404.2527	4.9
2 3,4-Dinitrotoluene	833.5840	891.7440	836.9660	887.3984	879.7140	865.8817	3.3
Average RSD :							3.9

Amount = Response divided by CF

CF - Calibration Factor (response divided by concentration).
RSD - Relative Standard Deviation.

Laucks Testing Labs
Initial Calibration Retention Time Summary

Start Cal Date: 10-JUL-2006 11:17
End Cal Date : 10-JUL-2006 13:05
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\SNAP568564B\tek4\Oscar.i\O71006ng.b\071006NG.m
Sublist : all.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100601.D
Level 2: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100602.D
Level 3: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100603.D
Level 4: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100604.D
Level 5: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100605.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Ave RT
1 Nitroglycerin	9.46	9.44	9.45	9.45	9.44	9.449
3 PETN	17.39	17.36	17.36	17.36	17.36	17.369
2 3,4-Dinitrotoluene	10.33	10.31	10.32	10.32	10.31	10.316

Retention times are expressed as minutes.

Laucks Testing Labs
Initial Calibration Amounts Summary

Start Cal Date: 10-JUL-2006 11:17
End Cal Date : 10-JUL-2006 13:05
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\SNAP568564B\tek4\Oscar.i\O71006ng.b\071006NG.m
Sublist : all.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100601.D
Level 2: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100602.D
Level 3: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100603.D
Level 4: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100604.D
Level 5: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100605.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
1 Nitroglycerin	250.00	500.00	1000.00	2500.00	5000.00
3 PETN	125.00	250.00	500.00	1250.00	2500.00
2 3,4-Dinitrotoluene	125.00	250.00	500.00	1250.00	2500.00

Standard concentrations are expressed as ng/mL.

Laucks Testing Labs
Initial Calibration Response Summary

Start Cal Date: 10-JUL-2006 11:17
End Cal Date : 10-JUL-2006 13:05
Quant Method : ESTD
Cal Curve Type: Average CF
Integrator : HP Genie
Method File : \\SNAP568564B\tek4\Oscar.i\O71006ng.b\071006NG.m
Sublist : all.sub
Column : C18
Column Size : 0m L - 4.60mm ID

Calibration Files:
Level 1: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100601.D
Level 2: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100602.D
Level 3: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100603.D
Level 4: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100604.D
Level 5: //SNAP568564B/tek4/Oscar.i/O71006ng.b/O7100605.D

Compound	Level 1	Level 2	Level 3	Level 4	Level 5
1 Nitroglycerin	87086.000	181182.00	357021.00	946275.00	1869720.0
3 PETN	48028.000	107060.00	191541.00	520246.00	1023802.0
2 3,4-Dinitrotoluene	104198.00	222936.00	418483.00	1109248.0	2199285.0

Response is in Area units.

Laucks Testing Labs
Initial Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/O92709.b/O9270703.D		
Injection Date	: 27-SEP-2007 11:38		
Sample Info	: STD04 1000PPB METHOD 8332		
Misc. Info	: ICV		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-16-04 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: 071006NG.m	Sublist	: all
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type:	CCALIB_3
Column	: C18	Column Size:	0.15m L- 4.60mm ID

Compound	RT	RT Window	Average CF	ICV CF	%D	Flag
Nitroglycerin	9.49 #	9.24 - 9.74	364.0366	364.7480	-0.2	
3,4-Dinitrotoluene	10.48 #	10.22 - 10.72	865.8817	880.6080	-1.7	
PETN	17.64 #	17.39 - 17.89	404.2527	394.1900	2.5	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - ICV CF) divided by Ave CF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

Laucks Testing Labs
Continuing Calibration Verification Summary

Data File	: //ceres/labdata/hplc/oscar/Oscar.i/O92709.b/O9270712.D		
Injection Date	: 27-SEP-2007 15:38		
Sample Info	: STD04 1000PPB METHOD 8332		
Misc. Info	: Method 8332		
Laboratory ID	: STD04 1000PPB	Client ID	: HPLC1-16-04 20X
Instrument ID	: Oscar.i	Operator	: MY
Method	: 071006NG.m	Sublist	: all
Quantitation	: ESTD	Integrator	: HP Genie
Dilution Factor	: 1.00	Sample Type	: CCALIB_3
Column	: C18	Column Size	: 0.15m L- 4.60mm ID

Compound	RT	RT Window	Average CF	Continuing CF	%D	Flag
Nitroglycerin	9.49	9.24 - 9.74	364.0366	367.6340	-1.0	
3,4-Dinitrotoluene	10.49	10.22 - 10.72	865.8817	896.1320	-3.5	
PETN	17.69	17.39 - 17.89	404.2527	402.5080	0.4	

Calibration Factor (CF) = Response divided by Concentration
Percent Difference (%D) = (Ave CF - Cont CF) divided by AveCF times 100
* = Percent Difference is outside the acceptance limits of +/-15%
# = The compound retention time is the expected retention time in the method.

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B092607HORWLG

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB40

Run Sequence: R021967

Matrix: (SOIL/WATER) Water

Lab Sample ID: B092607HORWLG

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: O9270704.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/27/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
55-63-0	Nitroglycerin	2.5	U
78-11-5	PETN	1.2	U

Comments:

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S092607HORWLG2

Lab Name: Laucks Testing Labs

Contract: N/A

SDG No.: CAB40

Run Sequence: R021967

Matrix: (SOIL/WATER) Water

Lab Sample ID: S092607HORWLG2

Sample wt/vol: 1000.0 (g/mL) mL

Lab File ID: O9270705.D

% Moisture: _____ Decanted: (Y/N) N

Date Collected: _____

Extraction: (Type) SPE

Date Extracted: 09/26/2007

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 09/27/2007

Injection Volume: 50.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
55-63-0	Nitroglycerin	11.3	
78-11-5	PETN	5.29	

Comments:

FORMS SUMMARY

CAB40

Miscellaneous Inorganics

Laucks Testing Laboratories, Inc.

Final Results

Client:	PBS Engineering and Environmental	**Project:**	Camp Bonneville
SDG Number:	CAB40		
Sample Number:	16L4MW02BWRX	**Date/Time Collected:**	09/24/2007 10:45
Lab Sample ID:	CAB40-002	**Date/Time Received:**	09/25/2007 08:35
Method:	E314.0	**Unit:**	ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	10	380		10	1.4	10/16/2007	10/17/2007	R022593

Laucks Testing Laboratories, Inc.

Final Results

Client:	PBS Engineering and Environmental	**Project:**	Camp Bonneville
SDG Number:	CAB40		
Sample Number:	16L4MW02AWRX	**Date/Time Collected:**	09/24/2007 12:00
Lab Sample ID:	CAB40-003	**Date/Time Received:**	09/25/2007 08:35
Method:	E314.0	**Unit:**	ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	10	280		10	1.4	10/16/2007	10/17/2007	R022593

Laucks Testing Laboratories, Inc.

INITIAL AND CONTINUING CALIBRATION VERIFICATION

SDG No: CAB40 Contract:

Run Sequence No. R022593 Concentration Units: ug/L

Determination Name: 314.0 Perchlorate

Initial Calibration Source: IC-7-26-11

Continuing Calbration Source: IC-7-26-13

Analyte	ICV 10/17/2007 5:00				CCV1 10/17/07 05:00						CCV
	True	Found	Recovery	Limits	True	Found	Recovery	True	Found	Recovery	Limits
Perchlorate	40.151	40.293	100.4	75-125	9.988	9.799	98.1				85-115

* = Percent recovery not within control limits

Laucks Testing Laboratories, Inc.

INITIAL AND CONTINUING CALIBRATION BLANKS

SDG No: **CAB40** Contract:

Run	Determination	Sample	Analyzed	Analyte	Result	Unit	Limit
R022593	314.0 Perchlorate	ICB	10/17/2007	Perchlorate	1.0 U	ug/L	0.500000
	314.0 Perchlorate	CCB1	10/17/2007	Perchlorate	1.0 U	ug/L	0.500000

* = Control limit exceeded

Laucks Testing Labs

Blank Report

Test: 314.0 Perchlorate

Lab Sample ID: B101607P02

SDG ID: CAB40
Preparation Date: 10/16/2007
Run Sequence ID: R022593
Analysis Date: 10/17/2007 05:00
Units: ug/L
Matrix: Water

Analyte	Reported	Flag	Limit
Perchlorate	1.0	U	0.5

Associated Samples	
Lab Sample ID	**Client Sample ID**
CAB40-002 10x	16L4MW02BWRX
CAB40-003 10x	16L4MW02AWRX

* Measured blank concentration exceeded the established control limit

Laucks Testing Laboratories

BS/BSD Report

Test:	314.0 Perchlorate	SDG ID:	CAB40
		Preparation Date:	10/16/2007
BS Sample ID:	S101607P01	Run Sequence ID:	R022593
BSD Sample ID:	S101607P01D	Analysis Date:	10/17/2007 05:00
		Units:	ug/L
		Matrix	Water

Analyte	Blank Spike			Blank Spike Duplicate			RPD	Limits	
	Added	Found	Recovery	Added	Found	Recovery		Recovery	RPD
Perchlorate	20.0	18.9134	95%	20.0	18.9735	95%	0%	85-115	15

Associated Samples	
Lab Sample ID	Client Sample ID
CAB40-002 10x	16L4MW02BWRX
CAB40-003 10x	16L4MW02AWRX

* = RPD or recovery is outside the established control limits

The concentration values on this report may have non-significant digits tabulated. These are the same values used to compute the recovery and/or RPD values listed and are available during data review to verify our calculations.