

APPENDIX A



Libby Environmental, Inc.

4139 Libby Road NE • Olympia, WA 98506-2518

December 31, 2012

John Hildenbrand
Robinson Noble
3011 Huson Street South
Suite A
Tacoma, WA 98409

Dear Mr. Hildenbrand:

Please find enclosed the analytical data report for the Commencement Bank Project located in Tacoma, Washington. Soil samples were analyzed for Diesel by NWTPH-Dx, Volatile Petroleum Hydrocarbons by NWVPH and Extractable Petroleum Hydrocarbons by NWEPH on December 18, 23 & 28, 2012

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. All soil samples are reported on a dry weight basis. An invoice for this analytical work is enclosed.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Jamie L. Deyman
President
Libby Environmental, Inc.

Phone (360) 352-2110 • Fax (360) 352-4154 • libbyenv@aol.com

www.LibbyEnvironmental.com

Libby Environmental, Inc.

4139 Libby Road NE

Olympia, WA 98506

Phone: (360) 352-2110

FAX: (360) 352-4154

Email: libbyenv@aol.com

COMMENCEMENT BANK PROJECT

Robinson Noble

Tacoma, Washington

Libby Project # L121218-20

Client Project # 2754-001B

Analyses of Diesel (NWTPH-Dx) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (mg/kg)
Method Blank	12/18/12	97	nd
B15-15.5	12/18/12	int	6350
B15-18	12/18/12	102	nd
B15-18 Dup	12/18/12	104	nd
B16-25	12/18/12	116	47
B16-25 Dup	12/18/12	107	39
B17-20	12/18/12	112	nd
B17-20 Dup	12/18/12	100	nd
B18-29	12/18/12	111	52
B18-29 Dup	12/18/12	105	49
B19-14.5	12/18/12	int	18700
Practical Quantitation Limit			25

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke



1311 N. 35th St.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Libby Environmental
Jamie Deyman
4139 Libby Rd. NE
Olympia, Washington 98506

RE: Commencement Bank
Lab ID: 1212127

January 03, 2013

Attention Jamie Deyman:

Fremont Analytical, Inc. received 2 sample(s) on 12/20/2012 for the analyses presented in the following report.

Extractable Petroleum Hydrocarbons by NWEPH
Sample Moisture (Percent Moisture)
Volatile Petroleum Hydrocarbons by NWVPH

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

A handwritten signature in black ink, appearing to read "M. Dee".

Michael Dee
Sr. Chemist / Principal



Date: 01/03/2013

CLIENT: Libby Environmental
Project: Commencement Bank
Lab Order: 1212127

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1212127-001	B15-15.5	12/18/2012 10:30 AM	12/20/2012 9:45 AM
1212127-002	B19-14.5	12/18/2012 4:40 PM	12/20/2012 9:45 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned



CLIENT: Libby Environmental
Project: Commencement Bank

I. SAMPLE RECEIPT:

All samples were received intact. The internal ice chest temperatures were measured on receipt and are recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.



Analytical Report

WO#: 1212127

Date Reported: 1/3/2013

Client: Libby Environmental
Project: Commencement Bank
Lab ID: 1212127-001
Client Sample ID: B15-15.5

Collection Date: 12/18/2012 10:30:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

Extractable Petroleum Hydrocarbons by NWEPH

Batch ID: 3840

Analyst: BR

Aliphatic Hydrocarbon (C8-C10)	10.5	5.70		mg/Kg-dry	1	12/28/2012 2:32:00 AM
Aliphatic Hydrocarbon (C10-C12)	108	5.70		mg/Kg-dry	1	12/28/2012 2:32:00 AM
Aliphatic Hydrocarbon (C12-C16)	1,160	57.0	D	mg/Kg-dry	10	12/28/2012 2:51:00 PM
Aliphatic Hydrocarbon (C16-C21)	1,380	57.0	D	mg/Kg-dry	10	12/28/2012 2:51:00 PM
Aliphatic Hydrocarbon (C21-C34)	201	57.0	D	mg/Kg-dry	10	12/28/2012 2:51:00 PM
Aromatic Hydrocarbon (C8-C10)	ND	5.70		mg/Kg-dry	1	12/28/2012 11:57:00 AM
Aromatic Hydrocarbon (C10-C12)	6.22	5.70		mg/Kg-dry	1	12/28/2012 11:57:00 AM
Aromatic Hydrocarbon (C12-C16)	95.3	5.70		mg/Kg-dry	1	12/28/2012 11:57:00 AM
Aromatic Hydrocarbon (C16-C21)	677	57.0	D	mg/Kg-dry	10	12/28/2012 5:03:00 PM
Aromatic Hydrocarbon (C21-C34)	94.6	5.70		mg/Kg-dry	1	12/28/2012 11:57:00 AM
Surr: 1-Chlorooctadecane	117	65-140		%REC	1	12/28/2012 2:32:00 AM
Surr: o-Terphenyl	91.3	65-140		%REC	1	12/28/2012 11:57:00 AM

Volatile Petroleum Hydrocarbons by NWVPH

Batch ID: 3866

Analyst: EM

Aliphatic Hydrocarbon (C5-C6)	ND	0.532		mg/Kg-dry	1	12/23/2012 3:09:00 AM
Aliphatic Hydrocarbon (C6-C8)	1.06	0.532		mg/Kg-dry	1	12/23/2012 3:09:00 AM
Aliphatic Hydrocarbon (C8-C10)	1.97	0.532		mg/Kg-dry	1	12/23/2012 3:09:00 AM
Aliphatic Hydrocarbon (C10-C12)	9.73	0.532		mg/Kg-dry	1	12/23/2012 3:09:00 AM
Aromatic Hydrocarbon (C8-C10)	1.51	0.532		mg/Kg-dry	1	12/23/2012 3:09:00 AM
Aromatic Hydrocarbon (C10-C12)	29.1	0.532		mg/Kg-dry	1	12/23/2012 3:09:00 AM
Aromatic Hydrocarbon (C12-C13)	150	5.32	D	mg/Kg-dry	10	12/24/2012 6:10:00 PM
Benzene	ND	0.532		mg/Kg-dry	1	12/23/2012 3:09:00 AM
Toluene	ND	0.532		mg/Kg-dry	1	12/23/2012 3:09:00 AM
Ethylbenzene	ND	0.532		mg/Kg-dry	1	12/23/2012 3:09:00 AM
m,p-Xylene	ND	0.532		mg/Kg-dry	1	12/23/2012 3:09:00 AM
o-Xylene	ND	0.532		mg/Kg-dry	1	12/23/2012 3:09:00 AM
Naphthalene	ND	0.532		mg/Kg-dry	1	12/23/2012 3:09:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.532		mg/Kg-dry	1	12/23/2012 3:09:00 AM
Surr: Bromofluorobenzene	139	65-140		%REC	1	12/23/2012 3:09:00 AM
Surr: Trifluorotoluene	80.5	65-140		%REC	1	12/23/2012 3:09:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R6965

Analyst: JY

Percent Moisture	12.5			wt%	1	12/20/2012 9:41:46 AM
------------------	------	--	--	-----	---	-----------------------

Qualifiers:	B	Analyte detected in the associated Method Blank	D	Dilution was required
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1212127

Date Reported: 1/3/2013

Client: Libby Environmental
Project: Commencement Bank
Lab ID: 1212127-002
Client Sample ID: B19-14.5

Collection Date: 12/18/2012 4:40:00 PM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

Extractable Petroleum Hydrocarbons by NWEPH

Batch ID: 3840

Analyst: BR

Aliphatic Hydrocarbon (C8-C10)	52.9	5.72		mg/Kg-dry	1	12/28/2012 3:16:00 AM
Aliphatic Hydrocarbon (C10-C12)	227	57.2	D	mg/Kg-dry	10	12/28/2012 3:35:00 PM
Aliphatic Hydrocarbon (C12-C16)	1,290	57.2	D	mg/Kg-dry	10	12/28/2012 3:35:00 PM
Aliphatic Hydrocarbon (C16-C21)	1,310	57.2	D	mg/Kg-dry	10	12/28/2012 3:35:00 PM
Aliphatic Hydrocarbon (C21-C34)	226	57.2	D	mg/Kg-dry	10	12/28/2012 3:35:00 PM
Aromatic Hydrocarbon (C8-C10)	5.96	5.72		mg/Kg-dry	1	12/28/2012 12:41:00 PM
Aromatic Hydrocarbon (C10-C12)	37.8	5.72		mg/Kg-dry	1	12/28/2012 12:41:00 PM
Aromatic Hydrocarbon (C12-C16)	294	57.2	D	mg/Kg-dry	10	12/28/2012 5:47:00 PM
Aromatic Hydrocarbon (C16-C21)	865	57.2	D	mg/Kg-dry	10	12/28/2012 5:47:00 PM
Aromatic Hydrocarbon (C21-C34)	94.2	5.72		mg/Kg-dry	1	12/28/2012 12:41:00 PM
Surr: 1-Chlorooctadecane	106	65-140		%REC	1	12/28/2012 3:16:00 AM
Surr: o-Terphenyl	75.9	65-140		%REC	1	12/28/2012 12:41:00 PM

Volatile Petroleum Hydrocarbons by NWVPH

Batch ID: 3866

Analyst: EM

Aliphatic Hydrocarbon (C5-C6)	ND	0.540		mg/Kg-dry	1	12/23/2012 4:54:00 AM
Aliphatic Hydrocarbon (C6-C8)	10.5	0.540		mg/Kg-dry	1	12/23/2012 4:54:00 AM
Aliphatic Hydrocarbon (C8-C10)	52.7	5.40	D	mg/Kg-dry	10	12/24/2012 6:45:00 PM
Aliphatic Hydrocarbon (C10-C12)	169	5.40	D	mg/Kg-dry	10	12/24/2012 6:45:00 PM
Aromatic Hydrocarbon (C8-C10)	41.0	0.540		mg/Kg-dry	1	12/23/2012 4:54:00 AM
Aromatic Hydrocarbon (C10-C12)	400	54.0	D	mg/Kg-dry	100	12/28/2012 7:42:00 PM
Aromatic Hydrocarbon (C12-C13)	3.59	0.540		mg/Kg-dry	1	12/23/2012 4:54:00 AM
Benzene	ND	0.540		mg/Kg-dry	1	12/23/2012 4:54:00 AM
Toluene	ND	0.540		mg/Kg-dry	1	12/23/2012 4:54:00 AM
Ethylbenzene	ND	0.540		mg/Kg-dry	1	12/23/2012 4:54:00 AM
m,p-Xylene	ND	0.540		mg/Kg-dry	1	12/23/2012 4:54:00 AM
o-Xylene	ND	0.540		mg/Kg-dry	1	12/23/2012 4:54:00 AM
Naphthalene	0.565	0.540		mg/Kg-dry	1	12/23/2012 4:54:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.540		mg/Kg-dry	1	12/23/2012 4:54:00 AM
Surr: Bromofluorobenzene	136	65-140		%REC	1	12/23/2012 4:54:00 AM
Surr: Trifluorotoluene	97.0	65-140		%REC	1	12/23/2012 4:54:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R6965

Analyst: JY

Percent Moisture	13.8			wt%	1	12/20/2012 9:41:46 AM
------------------	------	--	--	-----	---	-----------------------

Qualifiers:	B	Analyte detected in the associated Method Blank	D	Dilution was required
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Date: 1/3/2013

Work Order: 1212127
CLIENT: Libby Environmental
Project: Commencement Bank

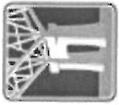
QC SUMMARY REPORT
Extractable Petroleum Hydrocarbons by NWEPH

Sample ID: LCS-3840	SampType: LCS	Units: mg/Kg	Prep Date: 12/18/2012	RunNo: 7023							
Client ID: LCSS	Batch ID: 3840		Analysis Date: 12/24/2012	SeqNo: 139244							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (C8-C10)	14.3	5.00	20.00	0	71.6	70	130				
Aliphatic Hydrocarbon (C10-C12)	7.16	5.00	10.00	0	71.6	70	130				
Aliphatic Hydrocarbon (C12-C16)	7.42	5.00	10.00	0	74.2	70	130				
Aliphatic Hydrocarbon (C16-C21)	7.67	5.00	10.00	0	76.7	70	130				
Aliphatic Hydrocarbon (C21-C34)	7.68	5.00	10.00	0	76.8	70	130				
Surr: 1-Chlorooctadecane	3.89		4.000		97.2	65	140				

Sample ID: 1212105-001BREP	SampType: REP	Units: mg/Kg-dry	Prep Date: 12/18/2012	RunNo: 7023							
Client ID: BATCH	Batch ID: 3840		Analysis Date: 12/24/2012	SeqNo: 139248							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (C8-C10)	73.9	56.7			80.12			80.12	8.11	30	
Aliphatic Hydrocarbon (C10-C12)	290	56.7			262.6			262.6	9.77	30	
Aliphatic Hydrocarbon (C12-C16)	1,480	56.7			1,490			1,490	0.684	30	E
Aliphatic Hydrocarbon (C16-C21)	1,670	56.7			1,672			1,672	0.224	30	E
Aliphatic Hydrocarbon (C21-C34)	2,530	56.7			2,396			2,396	5.25	30	E
Surr: 1-Chlorooctadecane	36.4		45.37		80.3	65	140		0		

Sample ID: 1212105-001BREP	SampType: REP	Units: mg/Kg-dry	Prep Date: 12/18/2012	RunNo: 7023							
Client ID: BATCH	Batch ID: 3840		Analysis Date: 12/24/2012	SeqNo: 139249							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aromatic Hydrocarbon (C8-C10)	ND	56.7			0			0	0	30	
Aromatic Hydrocarbon (C10-C12)	ND	56.7			0			0	0	30	
Aromatic Hydrocarbon (C12-C16)	251	56.7			236.6			236.6	5.81	30	
Aromatic Hydrocarbon (C16-C21)	1,880	56.7			1,750			1,750	7.29	30	E
Aromatic Hydrocarbon (C21-C34)	3,280	56.7			3,156			3,156	3.74	30	E
Surr: o-Terphenyl	40.2		45.37		88.5	65	140		0		

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
D Dilution was required
J Analyte detected below quantitation limits
RL Reporting Limit
E Value above quantitation range
ND Not detected at the Reporting Limit
S Spike recovery outside accepted recovery limits



Fremont
Analytical

Date: 1/3/2013

Work Order: 1212127

CLIENT: Libby Environmental

Project: Commencement Bank

QC SUMMARY REPORT
Extractable Petroleum Hydrocarbons by NWEPH

Sample ID: 1212105-001BREP	SampType: REP	Units: mg/Kg-dry	Prep Date: 12/18/2012	RunNo: 7023							
Client ID: BATCH	Batch ID: 3840		Analysis Date: 12/24/2012	SeqNo: 139249							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: LCS-3840	SampType: LCS	Units: mg/Kg	Prep Date: 12/18/2012	RunNo: 7023							
Client ID: LCSS	Batch ID: 3840		Analysis Date: 12/24/2012	SeqNo: 139257							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aromatic Hydrocarbon (C8-C10)	15.4	5.00	20.00	0	76.9	70	130				
Aromatic Hydrocarbon (C10-C12)	7.47	5.00	10.00	0	74.7	70	130				
Aromatic Hydrocarbon (C12-C16)	8.10	5.00	10.00	0	81.0	70	130				
Aromatic Hydrocarbon (C16-C21)	8.58	5.00	10.00	0	85.8	70	130				
Aromatic Hydrocarbon (C21-C34)	8.58	5.00	10.00	0	85.8	70	130				
Surr: o-Terphenyl	3.70		4.000		92.5	65	140				

Sample ID: LCSD-3840	SampType: LCSD	Units: mg/Kg	Prep Date: 12/18/2012	RunNo: 7023							
Client ID: LCSS02	Batch ID: 3840		Analysis Date: 12/24/2012	SeqNo: 139258							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (C8-C10)	14.1	5.00	20.00	0	70.4	70	130	14.33	1.73	20	
Aliphatic Hydrocarbon (C10-C12)	7.26	5.00	10.00	0	72.6	70	130	7.165	1.33	20	
Aliphatic Hydrocarbon (C12-C16)	7.78	5.00	10.00	0	77.8	70	130	7.416	4.74	20	
Aliphatic Hydrocarbon (C16-C21)	8.20	5.00	10.00	0	82.0	70	130	7.675	6.62	20	
Aliphatic Hydrocarbon (C21-C34)	8.20	5.00	10.00	0	82.0	70	130	7.678	6.56	20	
Surr: 1-Chlorooctadecane	4.16		4.000		104	65	140		0		

Qualifiers:	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Date: 1/3/2013

Work Order: 1212127

CLIENT: Libby Environmental

Project: Commencement Bank

QC SUMMARY REPORT
Extractable Petroleum Hydrocarbons by NWEPH

Sample ID:	LCSD-3840	SampType:	LCSD	Units:	mg/Kg	Prep Date:	12/18/2012	RunNo:	7023		
Client ID:	LCSS02	Batch ID:	3840	Analysis Date:	12/24/2012	SeqNo:	139259				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aromatic Hydrocarbon (C8-C10)	14.4	5.00	20.00	0	72.0	70	130	15.37	6.53	20	
Aromatic Hydrocarbon (C10-C12)	7.94	5.00	10.00	0	79.4	70	130	7.474	6.02	20	
Aromatic Hydrocarbon (C12-C16)	8.30	5.00	10.00	0	83.0	70	130	8.096	2.50	20	
Aromatic Hydrocarbon (C16-C21)	9.08	5.00	10.00	0	90.8	70	130	8.576	5.68	20	
Aromatic Hydrocarbon (C21-C34)	9.14	5.00	10.00	0	91.4	70	130	8.577	6.32	20	
Surr: o-Terphenyl	3.84		4.000		96.0	65	140		0		

Sample ID:	MB-3840	SampType:	MBLK	Units:	mg/Kg	Prep Date:	12/18/2012	RunNo:	7023		
Client ID:	MBLKS	Batch ID:	3840	Analysis Date:	12/24/2012	SeqNo:	139260				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (C8-C10)	ND	5.00									
Aliphatic Hydrocarbon (C10-C12)	ND	5.00									
Aliphatic Hydrocarbon (C12-C16)	ND	5.00									
Aliphatic Hydrocarbon (C16-C21)	ND	5.00									
Aliphatic Hydrocarbon (C21-C34)	ND	5.00									
Surr: 1-Chlorooctadecane	3.35		4.000		83.9	65	140				

Sample ID:	MB-3840	SampType:	MBLK	Units:	mg/Kg	Prep Date:	12/18/2012	RunNo:	7023		
Client ID:	MBLKS	Batch ID:	3840	Analysis Date:	12/24/2012	SeqNo:	139261				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aromatic Hydrocarbon (C8-C10)	ND	5.00									
Aromatic Hydrocarbon (C10-C12)	ND	5.00									
Aromatic Hydrocarbon (C12-C16)	ND	5.00									
Aromatic Hydrocarbon (C16-C21)	ND	5.00									
Aromatic Hydrocarbon (C21-C34)	ND	5.00									
Surr: o-Terphenyl	3.68		4.000		92.0	65	140				

Qualifiers:	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Fremont
Analytical

Date: 1/3/2013

Work Order: 1212127

CLIENT: Libby Environmental

Project: Commencement Bank

QC SUMMARY REPORT
Extractable Petroleum Hydrocarbons by NWEPH

Sample ID: MB-3840	SampType: MBLK	Units: mg/Kg	Prep Date: 12/18/2012	RunNo: 7023
Client ID: MBLKS	Batch ID: 3840	RL	Analysis Date: 12/24/2012	SeqNo: 139261
Analyte	Result	SPK value	LowLimit	HighLimit
		SPK Ref Val	%REC	RPD Ref Val
			%RPD	RPDLimit
				Qual

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Fremont
Analytical

Date: 1/3/2013

Work Order: 1212127

CLIENT: Libby Environmental

Project: Commencement Bank

QC SUMMARY REPORT Volatile Petroleum Hydrocarbons by NWVPH

Sample ID:	1212109-002AMS	SampType:	MS	Units:	mg/Kg-dry	Prep Date:	12/21/2012	RunNo:	7024		
Client ID:	BATCH	Batch ID:	3866	Analysis Date:	12/22/2012	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (C5-C6)	72.4	0.551	66.14	0	110	70	130				
Aliphatic Hydrocarbon (C6-C8)	23.4	0.551	22.05	0	106	70	130				
Aliphatic Hydrocarbon (C8-C10)	23.7	0.551	22.05	0	108	70	130				
Aliphatic Hydrocarbon (C10-C12)	26.3	0.551	22.05	0	119	70	130				
Aromatic Hydrocarbon (C8-C10)	109	0.551	110.2	0	98.6	70	130				
Aromatic Hydrocarbon (C10-C12)	22.5	0.551	22.05	0	102	70	130				
Aromatic Hydrocarbon (C12-C13)	27.0	0.551	22.05	0	122	70	130				
Benzene	21.4	0.551	22.05	0	97.1	70	130				
Toluene	23.2	0.551	22.05	0	105	70	130				
Ethylbenzene	23.1	0.551	22.05	0	105	70	130				
m,p-Xylene	45.0	0.551	44.09	0	102	70	130				
o-Xylene	22.4	0.551	22.05	0	101	70	130				
Naphthalene	16.9	0.551	22.05	0	76.6	70	130				
Methyl tert-butyl ether (MTBE)	23.6	0.551	22.05	0	107	70	130				
Surr: Bromofluorobenzene	1.08		1.102		98.0	65	140				
Surr: Trifluorotoluene	1.19		1.102		108	65	140				

Sample ID:	LCS-3866	SampType:	LCS	Units:	mg/Kg	Prep Date:	12/21/2012	RunNo:	7024		
Client ID:	LCSS	Batch ID:	3866	Analysis Date:	12/21/2012	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (C5-C6)	55.8	0.500	60.00	0	93.0	70	130				
Aliphatic Hydrocarbon (C6-C8)	18.2	0.500	20.00	0	91.1	70	130				
Aliphatic Hydrocarbon (C8-C10)	17.4	0.500	20.00	0	87.1	70	130				
Aliphatic Hydrocarbon (C10-C12)	17.4	0.500	20.00	0	87.2	70	130				
Aromatic Hydrocarbon (C8-C10)	89.6	0.500	100.0	0	89.6	70	130				
Aromatic Hydrocarbon (C10-C12)	21.4	0.500	20.00	0	107	70	130				
Aromatic Hydrocarbon (C12-C13)	17.2	0.500	20.00	0	86.1	70	130				

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
D Dilution was required
J Analyte detected below quantitation limits
RL Reporting Limit
E Value above quantitation range
ND Not detected at the Reporting Limit
S Spike recovery outside accepted recovery limits



Date: 1/3/2013

Work Order: 1212127
CLIENT: Libby Environmental
Project: Commencement Bank

QC SUMMARY REPORT
Volatile Petroleum Hydrocarbons by NWWPH

Sample ID:	LCS-3866	SampType:	LCS	Units:	mg/Kg	Prep Date:	12/21/2012	RunNo:	7024		
Client ID:	LCSS	Batch ID:	3866			Analysis Date:	12/21/2012	SeqNo:	139271		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	17.4	0.500	20.00	0	87.1	70	130				
Toluene	18.8	0.500	20.00	0	93.8	70	130				
Ethylbenzene	19.3	0.500	20.00	0	96.6	70	130				
m,p-Xylene	40.4	0.500	40.00	0	101	70	130				
o-Xylene	20.8	0.500	20.00	0	104	70	130				
Naphthalene	19.5	0.500	20.00	0	97.5	70	130				
Methyl tert-butyl ether (MTBE)	20.3	0.500	20.00	0	102	70	130				
Surr: Bromofluorobenzene	0.907		1.000		90.7	65	140				
Surr: Trifluorotoluene	1.27		1.000		127	65	140				

Sample ID:	LCSD-3866	SampType:	LCSD	Units:	mg/Kg	Prep Date:	12/21/2012	RunNo:	7024		
Client ID:	LCSS02	Batch ID:	3866			Analysis Date:	12/21/2012	SeqNo:	139272		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (C5-C6)	58.2	0.500	60.00	0	97.0	70	130	55.83	4.18	20	
Aliphatic Hydrocarbon (C6-C8)	18.8	0.500	20.00	0	93.9	70	130	18.22	3.00	20	
Aliphatic Hydrocarbon (C8-C10)	18.5	0.500	20.00	0	92.5	70	130	17.42	5.99	20	
Aliphatic Hydrocarbon (C10-C12)	20.0	0.500	20.00	0	100	70	130	17.45	13.7	20	
Aromatic Hydrocarbon (C8-C10)	94.3	0.500	100.0	0	94.3	70	130	89.60	5.06	20	
Aromatic Hydrocarbon (C10-C12)	24.3	0.500	20.00	0	121	70	130	21.40	12.6	20	
Aromatic Hydrocarbon (C12-C13)	19.0	0.500	20.00	0	95.2	70	130	17.21	10.1	20	
Benzene	17.7	0.500	20.00	0	88.7	70	130	17.42	1.84	20	
Toluene	19.0	0.500	20.00	0	94.8	70	130	18.75	1.04	20	
Ethylbenzene	19.6	0.500	20.00	0	97.9	70	130	19.33	1.26	20	
m,p-Xylene	40.9	0.500	40.00	0	102	70	130	40.36	1.32	20	
o-Xylene	21.0	0.500	20.00	0	105	70	130	20.81	1.02	20	
Naphthalene	17.2	0.500	20.00	0	85.9	70	130	19.51	12.7	20	
Methyl tert-butyl ether (MTBE)	22.4	0.500	20.00	0	112	70	130	20.35	9.40	20	

Qualifiers:	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Fremont
Analytical

Date: 1/3/2013

Work Order: 1212127
CLIENT: Libby Environmental
Project: Commencement Bank
QC SUMMARY REPORT
Volatle Petroleum Hydrocarbons by NWVPH

Sample ID: LCSD-3866	SampType: LCSD	Units: mg/Kg	Prep Date: 12/21/2012	RunNo: 7024							
Client ID: LCSS02	Batch ID: 3866		Analysis Date: 12/21/2012	SeqNo: 139272							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene	1.12		1.000		112	65	140			0	
Surr: Trifluorotoluene	1.21		1.000		121	65	140			0	

Sample ID: MB-3866	SampType: MBLK	Units: mg/Kg	Prep Date: 12/21/2012	RunNo: 7024							
Client ID: MBLKS	Batch ID: 3866		Analysis Date: 12/21/2012	SeqNo: 139273							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (C5-C6)	ND	0.500			0						
Aliphatic Hydrocarbon (C6-C8)	ND	0.500			0						
Aliphatic Hydrocarbon (C8-C10)	ND	0.500			0						
Aliphatic Hydrocarbon (C10-C12)	ND	0.500			0						
Aromatic Hydrocarbon (C8-C10)	ND	0.500			0						
Aromatic Hydrocarbon (C10-C12)	ND	0.500			0						
Aromatic Hydrocarbon (C12-C13)	ND	0.500			0						
Benzene	ND	0.500			0						
Toluene	ND	0.500			0						
Ethylbenzene	ND	0.500			0						
m,p-Xylene	ND	0.500			0						
o-Xylene	ND	0.500			0						
Naphthalene	ND	0.500			0						
Methyl tert-butyl ether (MTBE)	ND	0.500			0						
Surr: Bromofluorobenzene	1.26		1.000		126	65	140				
Surr: Trifluorotoluene	1.02		1.000		102	65	140				

Qualifiers:	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Fremont
Analytical

Date: 1/3/2013

Work Order: 1212127

CLIENT: Libby Environmental

Project: Commencement Bank

QC SUMMARY REPORT
Volatile Petroleum Hydrocarbons by NWWPH

Sample ID:	1212127-002ADUP	SampType:	DUP	Units:	mg/Kg-dry	Prep Date:	12/21/2012	RunNo:	7024		
Client ID:	B19-14.5	Batch ID:	3866	Analysis Date:	12/23/2012	SeqNo:	139958				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (C5-C6)	ND	0.540	0	0	0	0	0	0	0	25	
Aliphatic Hydrocarbon (C6-C8)	11.1	0.540	0	0	0	10.47	10.47	10.47	5.83	25	
Aliphatic Hydrocarbon (C8-C10)	41.1	0.540	0	0	0	39.23	39.23	39.23	4.71	25	E
Aliphatic Hydrocarbon (C10-C12)	41.3	0.540	0	0	0	37.66	37.66	37.66	9.26	25	E
Aromatic Hydrocarbon (C8-C10)	46.4	0.540	0	0	0	40.96	40.96	40.96	12.4	25	
Aromatic Hydrocarbon (C10-C12)	112	0.540	0	0	0	104.9	104.9	104.9	6.27	25	E
Aromatic Hydrocarbon (C12-C13)	3.68	0.540	0	0	0	3.589	3.589	3.589	2.53	25	
Benzene	ND	0.540	0	0	0	0	0	0	0	25	
Toluene	ND	0.540	0	0	0	0	0	0	0	25	
Ethylbenzene	ND	0.540	0	0	0	0	0	0	0	25	
m,p-Xylene	ND	0.540	0	0	0	0	0	0	0	25	
o-Xylene	ND	0.540	0	0	0	0	0	0	0	25	
Naphthalene	0.592	0.540	0	0	0	0	0	0	0	25	
Methyl tert-butyl ether (MTBE)	ND	0.540	0	0	0	0.5650	0.5650	0.5650	4.62	25	
Surr: Bromofluorobenzene	1.46		1.080		135	65	140		0	0	
Surr: Trifluorotoluene	1.14		1.080		105	65	140		0	0	

Qualifiers:	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Sample Log-In Check List

Client Name: LIBBY	Work Order Number: 1212127
Logged by: Clare Griggs	Date Received: 12/20/2012 9:45:00 AM

Chain of Custody

1. Were custodial seals present? Yes No Not Required
2. Is Chain of Custody complete? Yes No Not Present
3. How was the sample delivered? UPS

Log In

4. Coolers are present? Yes No NA
5. Was an attempt made to cool the samples? Yes No NA
6. Were all coolers received at a temperature of >0° C to 10.0°C Yes No NA
7. Sample(s) in proper container(s)? Yes No
8. Sufficient sample volume for indicated test(s)? Yes No
9. Are samples properly preserved? Yes No
10. Was preservative added to bottles? Yes No NA
11. Is there headspace present in VOA vials? Yes No NA
12. Did all sample containers arrive in good condition?(unbroken) Yes No
13. Does paperwork match bottle labels? Yes No
14. Are matrices correctly identified on Chain of Custody? Yes No
15. Is it clear what analyses were requested? Yes No
16. Were all holding times able to be met? Yes No

Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

18. Additional remarks/Discrepancies

Item Information

Item #	Temp °C	Condition
Cooler	8.8	Good

Libby Environmental, Inc.

4139 Libby Road NE
Olympia, WA 98506
Ph: 360-352-2110
Fax: 360-352-4154

Chain of Custody Record

12/12/12

Date: 12/19/12 Page: 1 of 1

www.LibbyEnvironmental.com

Client: Libby Environmental, Inc.
Address: 4139 Libby Rd NE
City: Olympia State: WA Zip: 98506
Phone: 360 352-2110 Fax:
Client Project #: L121218-20

Project Manager: Jamie Reymann
Project Name: Commencement Bank
Location: Tacoma City, State: WA
Collector: libbyenv@col.com Date of Collection: 12/18/12

Sample Number	Depth	Time	Sample Type	Container Type	Field Notes
1	15.5	1030	Soil	Voc/Soil	XX VPH XX EPH MTCAs 8082 PAH 8270 NMTPH-DX EXL NMTPH-DX NMTPH-GX NMTPH-HGD NMTPH-VOL 8270 SEM VOL 8280 VQA 80218 BTEX ONLY VQA 80218
2	14.5	1640	Soil	Voc/Soil	XX VPH XX EPH
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					

Requisitioned by: Jamie Reymann Date / Time: 12/19/12 1105 Received by: [Signature] Date / Time: 12-20-12 9:45

Requisitioned by: [Signature] Date / Time: 12-20-12 9:45 Received by: [Signature] Date / Time: 12-20-12 9:45

Requisitioned by: [Signature] Date / Time: 12-20-12 9:45 Received by: [Signature] Date / Time: 12-20-12 9:45

Remarks: Stod

Sample Receipt: Good Condition?
Color?
Seals intact?
Total Number of Containers: 17

TAT: 24HR 48HR 5-DAY
Distributor: White - Lab, Yellow - File, Pink - Original



Chain of Custody Record

Libby Environmental, Inc.

4139 Libby Road NE
Olympia, WA 98506
Ph: 360-352-2110
Fax: 360-352-4154

Client: *Robinson Noble*

Address: *3011 South Harbor St, Suite A, Tacoma, WA*

Phone: *253-475-7711*

Client Project # *2754-001B*

Project Manager: *JFH*

Project Name: *Commencement Bank 157 South Tacoma Way*

Location: *Tacoma*

Collector: *ACY*

Date of Collection: *12-18-12*

Date: *12-18-12* of Page: *1*



Sample Number	Depth	Time	Sample Type	Container Type	VOA 8021B VOA 8021B BTEX Only	SEM VOL 8270	NWTPH-HCID	NWTPH-GX	NWTPH-DX	NWTPH-DX Ext.	PAH 8270	PCBS 8082	MTCAs 8082	Field Notes
1 B15-15.5	15.5	10:30	Soil	3-402 and 3-402			X							
2 B15-18	18	10:30		402			X							
3 B16-25	25	12:43		"			X							
4 B17-20	20	13:55		"			X							
5 B18-29	29	15:45		"			X							
6 B19-14.5	14.5	16:40		3-402 and 3-402			X							
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														

Remarks: *John will call on how fast he wants the EPH & VPH samples ran.*

Sample Receipt:
Good Condition?
Cold?
Seals Intact?
Total Number of Containers

Relinquished by: *Acme Corp 12-18-12*
Date / Time

Received by: *Paul Bank 12-18-12*
Date / Time

Relinquished by:
Date / Time

Received by:
Date / Time



Libby Environmental, Inc.

4139 Libby Road NE • Olympia, WA 98506-2518

November 15, 2012

John Hildenbrand
Robinson Noble
3011 Huson Street South
Suite A
Tacoma, WA 98409

Dear Mr. Hildenbrand:

Please find enclosed the analytical data report for the Commencement Bank 1517 South Tacoma Way Project located in Tacoma, Washington. Soil samples were analyzed for Diesel by NWTPH-Dx on November 14, 2012.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. All soil samples are reported on a dry weight basis. An invoice for this analytical work is enclosed.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Jamie L. Deyman
President
Libby Environmental, Inc.

Phone (360) 352-2110 • Fax (360) 352-4154 • libbyenv@aol.com

www.LibbyEnvironmental.com

Libby Environmental, Inc.

4139 Libby Road NE
Olympia, WA 98506
Phone: (360) 352-2110
FAX: (360) 352-4154
Email: libbyenv@aol.com

COMMENCEMENT BANK 1517 SOUTH TACOMA WAY PROJECT
Robinson Noble
Tacoma, Washington
Libby Project # L121114-20
Client Project # 2754-001B

Analyses of Diesel (NWTPH-Dx) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (mg/kg)
Method Blank	11/14/12	85	nd
B5-15.5'	11/14/12	89	nd
B5-18'	11/14/12	84	nd
B6-16'	11/14/12	91	nd
B6-19'	11/14/12	86	nd
B7-16'	11/14/12	98	nd
B7-20'	11/14/12	80	nd
B8-14'	11/14/12	int	28000
B8-18.5'	11/14/12	82	nd
B8-18.5' Dup	11/14/12	79	nd
B9-14.5'	11/14/12	92	nd
B9-17'	11/14/12	79	nd
B10-14.5'	11/14/12	int	231
B10-18'	11/14/12	87	nd
B11-15'	11/14/12	int	323
B11-18.5'	11/14/12	84	nd
B11-18.5' Dup	11/14/12	83	nd
B12-14'	11/14/12	int	6810
B12-18'	11/14/12	114	nd
B13-24'	11/14/12	int	7370
B14-14.5'	11/14/12	int	6780
Practical Quantitation Limit			25

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%
ANALYSES PERFORMED BY: Jamie Deyman



Libby Environmental, Inc.

4139 Libby Road NE • Olympia, WA 98506-2518

November 6, 2012

John Hildenbrand
Robinson Noble
3011 Huson Street South
Suite A
Tacoma, WA 98409

Dear Mr. Hildenbrand:

Please find enclosed the analytical data report for the Commencement Bank 1517 South Tacoma Way Project located in Tacoma, Washington. Soil samples were analyzed for Diesel by NWTPH-Dx and Gasoline by NWTPH-Gx and BTEX by EPA Method 8021B on October 30, 2012.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. All soil samples are reported on a dry weight basis. An invoice for this analytical work is enclosed.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Jamie L. Deyman
President
Libby Environmental, Inc.

Phone (360) 352-2110 • Fax (360) 352-4154 • libbyenv@aol.com

www.LibbyEnvironmental.com

Libby Environmental, Inc.

4139 Libby Road NE
Olympia, WA 98506
Phone: (360) 352-2110
FAX: (360) 352-4154
Email: libbyenv@aol.com

COMMENCEMENT BANK 1517 SOUTH TACOMA WAY PROJECT
Robinson Noble
Tacoma, Washington
Libby Project # L121030-20
Client Project # 2754-001B

Analyses of Diesel (NWTPH-Dx) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (mg/kg)
Method Blank	10/30/12	90	nd
Method Blank	10/30/12	91	nd
E4S3D4.5	10/30/12	100	nd
E6S6D5	10/30/12	80	nd
E8S2D4.5	10/30/12	94	nd
Stockpile North	10/30/12	92	133
Stockpile W	10/30/12	92	97
Stockpile S	10/30/12	100	nd
Stockpile East	10/30/12	94	nd
E6N6D11	10/30/12	int	4110
N3E7D8.5	10/30/12	103	nd
N6.5E5.5D12.5	10/30/12	int	31400
N7E6.5D13.5	10/30/12	int	2370
N7E6.5D15	10/30/12	int	307
N6E9D10	10/30/12	int	42.4
N6E9D10 Dup	10/30/12	int	40.6
N6E3D10	10/30/12	105	nd
N12E4D10	10/30/12	105	nd
N6E9D13	10/30/12	int	5600
N6E3D13	10/30/12	int	2900
N2E5.5D10	10/30/12	123	150
N2E5.5D10 Dup	10/30/12	117	150
N2E5.5D13	10/30/12	int	16000
N12E4D13	10/30/12	133	150
Practical Quantitation Limit			25

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Jamie Deyman

Libby Environmental, Inc.

4139 Libby Road NE

Olympia, WA 98506

Phone: (360) 352-2110

FAX: (360) 352-4154

Email: libbyenv@aol.com

COMMENCEMENT BANK 1517 SOUTH TACOMA WAY PROJECT

Robinson Noble

Tacoma, Washington

Libby Project # L121030-20

Client Project # 2754-001B

Analyses of BTEX by EPA Method 8021B in Soil

Sample Number	Date Analyzed	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Surrogate Recovery (%)
Method Blank	10/30/12	nd	nd	nd	nd	81
LCS	10/30/12	81%	93%			89
N6.5E5.5D12.5	10/30/12	nd	nd	nd	nd	103
N6.5E5.5D12.5 Dup	10/30/12	nd	nd	nd	nd	107
N7E6.5D13.5	10/30/12	nd	nd	nd	nd	83
N6.5E5.5D12.5 MS	10/30/12	94%	85%			107
Practical Quantitation Limit		0.02	0.10	0.05	0.15	

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Trifluorotoluene): 65% TO 135%

ANALYSES PERFORMED BY: Jamie Deyman

Libby Environmental, Inc.

4139 Libby Road NE
 Olympia, WA 98506
 Ph: 360-352-2110
 Fax: 360-352-4154

Client: Robinson Noble

Address: 3011 South Hanson Street, Site A Tacoma WA

Phone: 253-475-7711 Fax: _____

Client Project # 2754-001B

Chain of Custody Record

Date: 10-30-12 Page: 1 of 2

Project Manager: JFH

Project Name: Commencement Bank 1517 South Tacoma WA

Location: Tacoma WA

Collector: ACY Date of Collection: 10-30-12

Sample Number	Depth	Time	Sample Type	Container Type	VOA 8021B BTEX Only	VOA 821B BTEX Only	SEM VOL 8270	NWTPH-HCID	NWTPH-GX	NWTPH-DX	NWTPH-DX EXL	PAH 8270	PCBS 8082	MTCAs 5 Metals	Field Note/# Containers
1 E453D4.5	4.5	9:19	Soil	402											
2 E656D5	5	9:26													
3 E853D4.5	4.5	9:31													
4 Stockpile North		10:08													
5 Stockpile W		10:09													
6 Stockpile S		10:10													
7 Stockpile East		10:11													
8 E6N6D11	11	10:25													
9 N3E7D8.5	8.5	10:29													
10 N6E5D12.5	12.5	10:38													
11 N7E6.5D13.5	13.5	11:02													
12 NTE6.5D15	15	11:54													
13 N6E9D10	10	12:42													
14 N6E3D10	10	12:44													
15 N12F4D10	10	12:46													
16 N6E9D13	13	12:46													
17 N6E3D13	13	12:57													
18 N2E5.5D10	10	13:03													

Relinquished by: Arvin Young Date / Time: 10-30-12

Received by: James L. Deyman Date / Time: 10/30/12

Relinquished by: _____ Date / Time: _____

Received by: _____ Date / Time: _____

Relinquished by: _____ Date / Time: _____

Received by: _____ Date / Time: _____

Remarks: _____

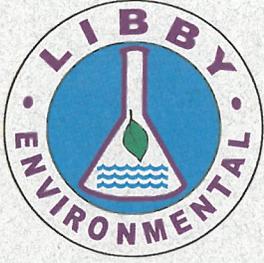
Sample Receipt: SM

Good Condition? _____ Cold? _____

Seals Intact? _____

Total Number of Containers: _____

TAT 24HR 48HR 5-Day



Libby Environmental, Inc.

4139 Libby Road NE • Olympia, WA 98506-2518

September 18, 2012

John Hildenbrand
Robinson Noble
3011 Huson Street South
Suite A
Tacoma, WA 98409

Dear Mr. Hildenbrand:

Please find enclosed the analytical data report for the 1517 South Tacoma Way Project located in Tacoma, Washington. Soil samples were analyzed for Gasoline by NWTPH-Gx, Diesel by NWTPH-Dx and Volatile Organic Compounds by EPA Method 8260C on September 14, 2012.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. All soil samples are reported on a dry weight basis. An invoice for this analytical work is enclosed.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Sherry L. Chilcutt
Lab Manager
Libby Environmental, Inc.

Phone (360) 352-2110 • Fax (360) 352-4154 • libbyenv@aol.com

www.LibbyEnvironmental.com

Libby Environmental, Inc.

1517 SOUTH TACOMA WAY PROJECT
 Robinson Noble, Inc.
 Tacoma, Washington
 Libby Project # L120912-2
 Client Project # 2754-001A

4139 Libby Road NE
 Olympia, WA 98506
 Phone: (360) 352-2110
 FAX: (360) 352-4154
 Email: libbyenv@aol.com

Volatile Organic Compounds by EPA Method 8260C in Soil

Sample Description	Method	B1-25'	B2-30'	B4-19'
	Blank			
Date Sampled	Reporting	N/A	9/12/12	9/12/12
Date Analyzed	Limits	9/14/12	9/14/12	9/18/12
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Dichlorodifluoromethane	0.06	nd	nd	nd
Chloromethane	0.06	nd	nd	nd
Vinyl chloride	0.02	nd	nd	nd
Bromomethane	0.09	nd	nd	nd
Chloroethane	0.06	nd	nd	nd
Trichlorofluoromethane	0.05	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd
Methylene chloride	0.02	nd	nd	nd
Methyl <i>tert</i> - Butyl Ether (MTBE)	0.02	nd	nd	nd
<i>trans</i> -1,2-Dichloroethene	0.02	nd	nd	nd
1,1-Dichloroethane	0.02	nd	nd	nd
2,2-Dichloropropane	0.05	nd	nd	nd
<i>cis</i> -1,2-Dichloroethene	0.02	nd	nd	nd
Chloroform	0.02	nd	nd	nd
1,1,1-Trichloroethane (TCA)	0.02	nd	nd	nd
Carbon tetrachloride	0.02	nd	nd	nd
1,1-Dichloropropene	0.02	nd	nd	nd
Benzene	0.02	nd	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd	nd	nd
Trichloroethene (TCE)	0.03	nd	nd	nd
1,2-Dichloropropane	0.02	nd	nd	nd
Dibromomethane	0.04	nd	nd	nd
Bromodichloromethane	0.02	nd	nd	nd
<i>cis</i> -1,3-Dichloropropene	0.02	nd	nd	nd
Toluene	0.02	nd	nd	nd
Trans-1,3-Dichloropropene	0.03	nd	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd	nd
1,3-Dichloropropane	0.05	nd	nd	nd
Dibromochloromethane	0.03	nd	nd	nd
1,2-Dibromoethane (EDB) *	0.005	nd	nd	nd
Chlorobenzene	0.02	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.03	nd	nd	nd
Ethylbenzene	0.03	nd	nd	nd
Total Xylenes	0.03	nd	nd	nd
Styrenes	0.02	nd	nd	nd

Libby Environmental, Inc.

4139 Libby Road NE
 Olympia, WA 98506
 Phone: (360) 352-2110
 FAX: (360) 352-4154
 Email: libbyenv@aol.com

1517 SOUTH TACOMA WAY PROJECT
 Robinson Noble, Inc.
 Tacoma, Washington
 Libby Project # L120912-2
 Client Project # 2754-001A

Volatile Organic Compounds by EPA Method 8260C in Soil

Sample Description	Method	B1-25'	B2-30'	B4-19'	
	Blank				
Date Sampled	Reporting	9/12/12	9/12/12	9/12/12	
Date Analyzed	Limits	9/14/12	9/14/12	9/18/12	
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Bromoform	0.02	nd	nd	nd	
Isopropylbenzene	0.08	nd	nd	nd	
1,2,3-Trichloropropane	0.02	nd	nd	nd	
Bromobenzene	0.03	nd	nd	nd	
1,1,2,2-Tetrachloroethane	0.02	nd	nd	nd	
n-Propylbenzene	0.02	nd	nd	nd	
2-Chlorotoluene	0.02	nd	nd	nd	
4-Chlorotoluene	0.02	nd	nd	nd	
1,3,5-Trimethylbenzene	0.02	nd	nd	nd	
tert-Butylbenzene	0.02	nd	nd	nd	
1,2,4-Trimethylbenzene	0.02	nd	nd	nd	
sec-Butylbenzene	0.02	nd	nd	nd	
1,3-Dichlorobenzene	0.02	nd	nd	nd	
Isopropyltoluene	0.02	nd	nd	nd	
1,4-Dichlorobenzene	0.02	nd	nd	nd	
1,2-Dichlorobenzene	0.02	nd	nd	nd	
n-Butylbenzene	0.02	nd	nd	nd	
1,2-Dibromo-3-Chloropropane	0.03	nd	nd	nd	
1,2,4-Trichlorobenzene	0.05	nd	nd	nd	
Hexachloro-1,3-butadiene	0.10	nd	nd	nd	
Naphthalene	0.03	nd	nd	nd	
1,2,3-Trichlorobenzene	1.0	nd	nd	nd	
Surrogate Recovery					
Dibromofluoromethane	105	88	101	91	
1,2-Dichloroethane-d4	127	113	114	105	
Toluene-d8	87	73	81	87	
4-Bromofluorobenzene	84	80	82	84	

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

* INSTRUMENT DETECTION LIMIT

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

1517 SOUTH TACOMA WAY PROJECT
 Robinson Noble, Inc.
 Tacoma, Washington
 Libby Project # L120912-2
 Client Project # 2754-001A

4139 Libby Road NE
 Olympia, WA 98506
 Phone: (360) 352-2110
 FAX: (360) 352-4154
 Email: libbyenv@aol.com

QA/QC Data - EPA 8260C Analyses

Sample Identification: L120914-10							
	Matrix Spike			Matrix Spike Duplicate			RPD
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	
1,1-Dichloroethene	0.50	0.33	66	0.50	0.35	70	5.9
Benzene	0.50	0.67	134	0.50	0.61	122	9.4
Toluene	0.50	0.62	124	0.50	0.65	130	4.7
Chlorobenzene	0.50	0.55	110	0.50	0.63	126	13.6
Trichloroethene (TCE)	0.50	0.60	120	0.50	0.62	124	3.3
Surrogate Recovery							
Dibromofluoromethane			89			84	
1,2-Dichloroethane-d4			132			92	
Toluene-d8			84			94	
4-Bromofluorobenzene			90			75	

Laboratory Control Sample			
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
1,1-Dichloroethene	0.50	0.35	70
Benzene	0.50	0.61	122
Toluene	0.50	0.59	118
Chlorobenzene	0.50	0.61	122
Trichloroethene (TCE)	0.50	0.60	120
Surrogate Recovery			
Dibromofluoromethane			100
1,2-Dichloroethane-d4			110
Toluene-d8			87
4-Bromofluorobenzene			88

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
 ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

4139 Libby Road NE
Olympia, WA 98506
Phone: (360) 352-2110
FAX: (360) 352-4154
Email: libbyenv@aol.com

1517 SOUTH TACOMA WAY PROJECT
Robinson Noble, Inc.
Tacoma, Washington
Libby Project # L120912-2
Client Project # 2754-001A

Analyses of Gasoline (NWTPH-Gx) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Gasoline (mg/kg)
Method Blank	9/14/12	87	nd
Method Blank	9/18/12	93	nd
B1-25'	9/14/12	73	nd
B2-30'	9/14/12	81	nd
B4-19'	9/18/12	87	nd
Practical Quantitation Limit			10

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Toluene-d8): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

4139 Libby Road NE
Olympia, WA 98506
Phone: (360) 352-2110
FAX: (360) 352-4154
Email: libbyenv@aol.com

1517 SOUTH TACOMA WAY PROJECT
Robinson Noble, Inc.
Tacoma, Washington
Libby Project # L120912-2
Client Project # 2754-001A

Analyses of Diesel (NWTPH-Dx) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (mg/kg)
Method Blank	9/14/12	84	nd
B3-13.5'	9/14/12	int	4090
B3-19'	9/14/12	82	nd
B3-19' Dup	9/14/12	89	nd
Practical Quantitation Limit			25

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

4139 Libby Road NE
 Olympia, WA 98506
 Ph: 360-352-2110
 Fax: 360-352-4154

Chain of Custody Record

Date: 9-12-12 Page: 1 of 1

Client: Robinson Noble
 Project Manager: JFH
 Address: 3011 South Hudson St, Suite A Tac WA
 Project Name: 1517 South Tacoma Way
 Phone: 253-475-7711 Fax:
 Location: Tacoma WA
 Collector: ACY Date of Collection: 9-12-12

Sample Number	Depth	Time	Sample Type	Container Type	VOA 802/B VOA 802/B BTEX-Only	SEM VOL 8270	NWTPH-HCID	NWTPH-GX	NWTPH-DX	NWTPH-DX EXL	PAH 8270	PCBS 8082	MTCAs Metals	Field Note# Containers
1 B1-25'	25'		Soil	402	NA		X							
2 B2-30	30'		Soil	402	NA		X							
3 B3-13.5	13.5'		Soil	402	NA		X							
4 B3-19'	19'		Soil	402	NA		X							
5 B4-19'	19'		Soil	402	NA		X							
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														

Relinquished by: Clare Jones Date / Time: 9-12-12

Received by: James Deyman Date / Time: 9/12/12 2:31 PM

Relinquished by: _____ Date / Time: _____

Received by: _____ Date / Time: _____

Relinquished by: _____ Date / Time: _____

Received by: _____ Date / Time: _____

Remarks:

Good Condition? _____

Cold? _____

Seals Intact? _____

Total Number of Containers: _____

TAT 24HR 48HR 5-Day