



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

August 31, 2009

Ron Hicks
Riverside Associates
1123 Pomona Road
Yakima, WA 98901

Re: Analytical Data for Project 809 Site B1
Laboratory Reference No. 0908-171

Dear Ron:

Enclosed are the analytical results and associated quality control data for samples submitted on August 22, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read 'D. Baumeister', with a long horizontal stroke extending to the right.

David Baumeister
Project Manager

Enclosures

Date of Report: August 31, 2009
Samples Submitted: August 22, 2009
Laboratory Reference: 0908-171
Project: 809 Site B1

Case Narrative

Samples were collected on August 21, 2009, and received by the laboratory on August 22, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: August 31, 2009
Samples Submitted: August 22, 2009
Laboratory Reference: 0908-171
Project: 809 Site B1

NWTPH-Dx

Date Extracted: 8-25-09
Date Analyzed: 8-25-09

Matrix: Water
Units: mg/L (ppm)

Client ID: 809B267
Lab ID: 08-171-01

Diesel Range: **ND**
PQL: 0.26
Identification: ---

Lube Oil Range: **ND**
PQL: 0.42
Identification: ---

Surrogate Recovery
o-Terphenyl: 73%

Flags: Y

Date of Report: August 31, 2009
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NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted: 8-25-09
Date Analyzed: 8-25-09

Matrix: Water
Units: mg/L (ppm)

Lab ID: MB0825W2

Diesel Range: **ND**
PQL: 0.25
Identification: ---

Lube Oil Range: **ND**
PQL: 0.40
Identification: ---

Surrogate Recovery
o-Terphenyl: 82%

Flags: Y

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NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted: 8-25-09
Date Analyzed: 8-25-09

Matrix: Water
Units: mg/L (ppm)

Lab ID: 08-165-26 08-165-26 DUP

Diesel Range: **0.317** **0.247**
PQL: 0.24 0.24

RPD: 25

Surrogate Recovery
o-Terphenyl: 88% 86%

Flags: Y Y

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NWTPH-Dx

Date Extracted: 8-27-09
 Date Analyzed: 8-27-09

Matrix: Soil
 Units: mg/kg (ppm)

Client ID:	809B268	809B269	809B270
Lab ID:	08-171-02	08-171-03	08-171-04
Diesel Range:	44	ND	ND
PQL:	28	29	29
Identification:	Diesel Range Organics	---	---
Lube Oil Range:	130	160	160
PQL:	57	57	57
Identification:	Lube Oil	Lube Oil	Lube Oil
Surrogate Recovery			
o-Terphenyl:	84%	76%	83%
Flags:	Y	Y	Y

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NWTPH-Dx

Date Extracted: 8-27-09
 Date Analyzed: 8-27-09

Matrix: Soil
 Units: mg/kg (ppm)

Client ID:	809B271	809B272	809B273
Lab ID:	08-171-05	08-171-06	08-171-07
Diesel Range:	ND	38	200
PQL:	29	29	28
Identification:	---	Diesel Range Organics	Diesel Range Organics
Lube Oil Range:	160	230	170
PQL:	57	59	57
Identification:	Lube Oil	Lube Oil	Lube Oil
Surrogate Recovery			
o-Terphenyl:	75%	66%	72%
Flags:	Y	Y	Y

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NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted: 8-27-09
Date Analyzed: 8-27-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0827S1

Diesel Range: **ND**
PQL: 25
Identification: ---

Lube Oil Range: **ND**
PQL: 50
Identification: ---

Surrogate Recovery
o-Terphenyl: 87%

Flags: Y

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NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted: 8-27-09
Date Analyzed: 8-27-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-171-04 08-171-04 DUP

Diesel Range: **ND** **ND**
PQL: 25 25

RPD: N/A

Surrogate Recovery
o-Terphenyl: 83% 73%

Flags: Y Y

Date of Report: August 31, 2009
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% MOISTURE

Date Analyzed: 8-27-09

Client ID	Lab ID	% Moisture
809B268	08-171-02	12
809B269	08-171-03	13
809B270	08-171-04	13
809B271	08-171-05	13
809B272	08-171-06	15
809B273	08-171-07	12



Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- Y - Sample extract treated with an acid/silica gel cleanup procedure.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference



OnSite
Environmental Inc.

Phone: (425) 883-3981 • Fax: (425) 885-4603

Chain of Custody

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08-1771

Company: Riverside Associates		Turnaround Request (in working days)		Laboratory Number:												Requested Analysis											
Project Number: 809 Site B1		<input type="checkbox"/> Same Day <input type="checkbox"/> 1 Day																									
Project Name: Double H		<input type="checkbox"/> 2 Day <input type="checkbox"/> 3 Day																									
Project Manager: Ron Hicks		<input checked="" type="checkbox"/> Standard (7 working days) (TPH analysis 5 working days)																									
Sampled by: CESI		<input type="checkbox"/> (other)																									
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	% Moisture								
1	809 B267	8/21/09	1150	W	2			X																			
2	809 B268	8/21/09	1302	S	1			X												X							
3	809 B269	8/21/09	1303	S	1			X												X							
4	809 B270	8/21/09	1309	S	1			X												X							
5	809 B271	8/21/09	1315	S	1			X												X							
6	809 B272	8/21/09	1317	S	1			X												X							
7	809 B273	8/21/09	1320	S	1			X												X							
Relinquished by		Signature	Company	Date	Time	Comments/Special Instructions																					
Received by		<i>Thelma Davis</i>	CESI	8/21/09	1400	Please send copy of results to cesi@pocketnet.com																					
Relinquished by		<i>Thelma Davis</i>	CESI	8/21/09	1015																						
Received by																											
Relinquished by																											
Received by																											
Relinquished by																											
Received by																											
Reviewed by/Date						Chromatograms with final report <input type="checkbox"/>																					