



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

August 6, 2009

Ron Hicks
Riverside Associates
1123 Pomona Road
Yakima, WA 98901

Re: Analytical Data for Project 809
Laboratory Reference No. 0908-027

Dear Ron:

Enclosed are the analytical results and associated quality control data for samples submitted on August 5, 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 'DB', with a long horizontal line extending to the right.

David Baumeister
Project Manager

Enclosures

Date of Report: August 6, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-027
Project: 809

Case Narrative

Samples were collected on August 4, 2009, and received by the laboratory on August 5, 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 6, 2009
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 Laboratory Reference: 0908-027
 Project: 809

NWTPH-Dx

Date Extracted: 8-5-09
 Date Analyzed: 8-5&6-09

Matrix: Soil
 Units: mg/kg (ppm)

Client ID:	809B114	809B115	809B116
Lab ID:	08-027-01	08-027-02	08-027-03
Diesel Range:	ND	ND	ND
PQL:	34	29	33
Identification:	---	---	---
Lube Oil Range:	ND	ND	ND
PQL:	68	57	67
Identification:	---	---	---
Surrogate Recovery			
o-Terphenyl:	88%	69%	78%
Flags:	Y	Y	Y

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NWTPH-Dx

Date Extracted: 8-5-09
 Date Analyzed: 8-5-09

Matrix: Soil
 Units: mg/kg (ppm)

Client ID:	809B117	809B118	809B119
Lab ID:	08-027-04	08-027-05	08-027-06
Diesel Range:	ND	ND	ND
PQL:	27	31	31
Identification:	---	---	---
Lube Oil Range:	ND	ND	ND
PQL:	54	62	61
Identification:	---	---	---
Surrogate Recovery			
o-Terphenyl:	80%	80%	74%
Flags:	Y	Y	Y

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NWTPH-Dx

Date Extracted: 8-5-09
 Date Analyzed: 8-5-09

Matrix: Soil
 Units: mg/kg (ppm)

Client ID:	809B120	809B121	809B122
Lab ID:	08-027-07	08-027-08	08-027-09
Diesel Range:	ND	ND	ND
PQL:	31	30	28
Identification:	---	---	---
Lube Oil Range:	ND	ND	ND
PQL:	61	60	57
Identification:	---	---	---
Surrogate Recovery			
o-Terphenyl:	80%	81%	92%
Flags:	Y	Y	Y

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NWTPH-Dx

Date Extracted: 8-5-09
Date Analyzed: 8-5-09

Matrix: Soil
Units: mg/kg (ppm)

Client ID: 809B123
Lab ID: 08-027-10

Diesel Range: **ND**
PQL: 32
Identification: ---

Lube Oil Range: **ND**
PQL: 64
Identification: ---

Surrogate Recovery
o-Terphenyl: 84%

Flags: Y

Date of Report: August 6, 2009
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NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted: 8-5-09
Date Analyzed: 8-5-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0805S1

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

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

Surrogate Recovery
o-Terphenyl: 78%

Flags: Y

Date of Report: August 6, 2009
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NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted: 8-5-09
Date Analyzed: 8-5-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-016-01 08-016-01 DUP

Diesel Range: 141 125
PQL: 25 25

RPD: 12

Surrogate Recovery
o-Terphenyl: 85% 83%

Flags: Y Y

Date of Report: August 6, 2009
Samples Submitted: August 5, 2009
Lab Traveler: 0908-027
Project: 809

% MOISTURE

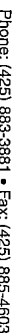
Date Analyzed: 8-5-09

Client ID	Lab ID	% Moisture
809B114	08-027-01	26
809B115	08-027-02	13
809B116	08-027-03	25
809B117	08-027-04	8
809B118	08-027-05	19
809B119	08-027-06	18
809B120	08-027-07	18
809B121	08-027-08	17
809B122	08-027-09	12
809B123	08-027-10	22



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.
- 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



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H-HCID	Requested Analysis
H-Gx/BTEX	
H-Dx	
s by 8260B	
ated Volatiles by 8260B	
latiles by 8270D	
y 8270D / SIM	
y 8082	
les by 8081A	
les by 8151A	
CRA Metals (8)	Requested Analysis
Metals	
7 1664	

A line graph showing the percentage of moisture in a material over time. The x-axis represents time in minutes, with a 10-minute interval marked. The y-axis represents % Moisture. The curve starts at 100% at 0 minutes, remains constant until 5 minutes, then decreases to approximately 85% at 10 minutes. An arrow points to the curve with the label '% Moisture'.

Chromatograms with final report ☐