



14648 NE 95<sup>th</sup> 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  
Laboratory Reference No. 0908-157

Dear Ron:

Enclosed are the analytical results and associated quality control data for samples submitted on August 21, 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 stroke extending to the right.

David Baumeister  
Project Manager

Enclosures

Date of Report: August 31, 2009  
Samples Submitted: August 21, 2009  
Laboratory Reference: 0908-157  
Project: 809

### **Case Narrative**

Samples were collected on August 18 and 19, 2009, and received by the laboratory on August 21, 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.

#### BTEX EPA 8021B Analysis

Per EPA method 5035A, samples were received by the laboratory in pre-weighed 40 ml VOA vials preserved with either Methanol or Sodium Bisulfate.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Date of Report: August 31, 2009  
 Samples Submitted: August 21, 2009  
 Laboratory Reference: 0908-157  
 Project: 809

# **NWTPH-Dx**

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

Matrix: Soil  
 Units: mg/kg (ppm)

<b>Client ID:</b>	<b>809A267</b>	<b>809A268</b>	<b>809A269</b>
Lab ID:	08-157-01	08-157-02	08-157-03
Diesel Range:	<b>ND</b>	<b>ND</b>	<b>42</b>
PQL:	33	33	32
Identification:	---	---	Diesel Range Organics
Lube Oil Range:	<b>ND</b>	<b>76</b>	<b>120</b>
PQL:	65	65	64
Identification:	---	Lube Oil	Lube Oil
Surrogate Recovery			
o-Terphenyl:	84%	89%	85%
Flags:	Y	Y	Y

Date of Report: August 31, 2009  
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# **NWTPH-Dx**

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

Matrix: Soil  
 Units: mg/kg (ppm)

<b>Client ID:</b>	<b>809A270</b>	<b>809A271</b>	<b>809A272</b>
Lab ID:	08-157-04	08-157-05	08-157-06
Diesel Range:	<b>ND</b>	<b>ND</b>	<b>ND</b>
PQL:	32	33	32
Identification:	---	---	---
Lube Oil Range:	<b>200</b>	<b>200</b>	<b>88</b>
PQL:	64	65	64
Identification:	Lube Oil	Lube Oil	Lube Oil
Surrogate Recovery			
o-Terphenyl:	83%	85%	77%
Flags:	Y	Y	Y

Date of Report: August 31, 2009  
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 Laboratory Reference: 0908-157  
 Project: 809

# **NWTPH-Dx**

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

Matrix: Soil  
 Units: mg/kg (ppm)

<b>Client ID:</b>	<b>809A273</b>	<b>809A274</b>	<b>809A275</b>
Lab ID:	08-157-07	08-157-08	08-157-09
Diesel Range:	<b>ND</b>	<b>ND</b>	<b>ND</b>
PQL:	31	32	31
Identification:	---	---	---
Lube Oil Range:	<b>ND</b>	<b>170</b>	<b>180</b>
PQL:	61	63	63
Identification:	---	Lube Oil	Lube Oil
Surrogate Recovery			
o-Terphenyl:	86%	70%	80%
Flags:	Y	Y	Y

Date of Report: August 31, 2009  
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# **NWTPH-Dx**

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

Matrix: Soil  
 Units: mg/kg (ppm)

<b>Client ID:</b>	<b>809A276</b>	<b>809A277</b>	<b>809A278</b>
Lab ID:	08-157-10	08-157-11	08-157-12
Diesel Range:	<b>ND</b>	<b>ND</b>	<b>ND</b>
PQL:	31	31	30
Identification:	---	---	---
Lube Oil Range:	<b>110</b>	<b>63</b>	<b>150</b>
PQL:	61	61	60
Identification:	Lube Oil	Lube Oil	Lube Oil
Surrogate Recovery			
o-Terphenyl:	80%	81%	90%
Flags:	Y	Y	Y

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# **NWTPH-Dx**

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

Matrix: Soil  
 Units: mg/kg (ppm)

<b>Client ID:</b>	<b>809A279</b>	<b>809A280</b>	<b>809A281</b>
Lab ID:	08-157-13	08-157-14	08-157-15
Diesel Range:	<b>ND</b>	<b>ND</b>	<b>ND</b>
PQL:	30	30	31
Identification:	---	---	---
Lube Oil Range:	<b>ND</b>	<b>ND</b>	<b>ND</b>
PQL:	60	60	61
Identification:	---	---	---
Surrogate Recovery			
o-Terphenyl:	85%	91%	93%
Flags:	Y	Y	Y

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# **NWTPH-Dx**

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

Matrix: Soil  
 Units: mg/kg (ppm)

<b>Client ID:</b>	<b>809A282</b>	<b>809A283</b>	<b>809A285</b>
Lab ID:	08-157-16	08-157-17	08-157-19
Diesel Range:	<b>ND</b>	<b>ND</b>	<b>ND</b>
PQL:	29	30	32
Identification:	---	---	---
Lube Oil Range:	<b>ND</b>	<b>160</b>	<b>250</b>
PQL:	58	60	63
Identification:	---	Lube Oil	Lube Oil
Surrogate Recovery			
o-Terphenyl:	91%	91%	82%
Flags:	Y	Y	Y



Date of Report: August 31, 2009  
 Samples Submitted: August 21, 2009  
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 Project: 809

# **NWTPH-Dx**

Date Extracted: 8-25&26-09  
 Date Analyzed: 8-25&26-09

Matrix: Soil  
 Units: mg/kg (ppm)

<b>Client ID:</b>	<b>809A286</b>	<b>809A287</b>	<b>809A288</b>
Lab ID:	08-157-20	08-157-21	08-157-22
Diesel Range:	<b>ND</b>	<b>ND</b>	<b>ND</b>
PQL:	31	31	31
Identification:	---	---	---
Lube Oil Range:	<b>ND</b>	<b>ND</b>	<b>160</b>
PQL:	63	62	63
Identification:	---	---	Lube Oil
Surrogate Recovery			
o-Terphenyl:	82%	89%	103%
Flags:	Y	Y	Y

Date of Report: August 31, 2009  
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# **NWTPH-Dx**

Date Extracted: 8-26-09  
 Date Analyzed: 8-26&27-09

Matrix: Soil  
 Units: mg/kg (ppm)

<b>Client ID:</b>	<b>809A289</b>	<b>809A290</b>	<b>809A291</b>
Lab ID:	08-157-23	08-157-24	08-157-25
Diesel Range:	<b>ND</b>	<b>ND</b>	<b>ND</b>
PQL:	31	31	31
Identification:	---	---	---
Lube Oil Range:	<b>65</b>	<b>ND</b>	<b>ND</b>
PQL:	63	62	61
Identification:	Lube Oil	---	---
Surrogate Recovery			
o-Terphenyl:	72%	70%	72%
Flags:	Y	Y	Y

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# **NWTPH-Dx**

Date Extracted: 8-26-09  
 Date Analyzed: 8-26-09

Matrix: Soil  
 Units: mg/kg (ppm)

<b>Client ID:</b>	<b>809A292</b>	<b>809A293</b>	<b>809A294</b>
Lab ID:	08-157-26	08-157-27	08-157-28
Diesel Range:	<b>ND</b>	<b>ND</b>	<b>ND</b>
PQL:	31	31	30
Identification:	---	---	---
Lube Oil Range:	<b>ND</b>	<b>ND</b>	<b>ND</b>
PQL:	62	61	60
Identification:	---	---	---
Surrogate Recovery			
o-Terphenyl:	83%	108%	110%
Flags:	Y	Y	Y

Date of Report: August 31, 2009  
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# **NWTPH-Dx**

Date Extracted: 8-26-09  
 Date Analyzed: 8-26-09

Matrix: Soil  
 Units: mg/kg (ppm)

<b>Client ID:</b>	<b>809A295</b>	<b>809A296</b>	<b>809A297</b>
Lab ID:	08-157-29	08-157-30	08-157-31
Diesel Range:	<b>ND</b>	<b>ND</b>	<b>ND</b>
PQL:	29	28	52
Identification:	---	---	---
Lube Oil Range:	<b>ND</b>	<b>ND</b>	<b>580</b>
PQL:	57	57	53
Identification:	---	---	Lube Oil
Surrogate Recovery			
o-Terphenyl:	107%	112%	108%
Flags:	Y	Y	Y,U1

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**NWTPH-Dx**

Date Extracted: 8-26-09  
Date Analyzed: 8-26-09

Matrix: Soil  
Units: mg/kg (ppm)

**Client ID: 809A298**  
Lab ID: 08-157-32

Diesel Range: **ND**  
PQL: 81  
Identification: ---

Lube Oil Range: **840**  
PQL: 53  
Identification: Lube Oil

Surrogate Recovery  
o-Terphenyl: 76%

Flags: Y,U1

Date of Report: August 31, 2009  
Samples Submitted: August 21, 2009  
Laboratory Reference: 0908-157  
Project: 809

**NWTPH-Dx**  
**METHOD BLANK QUALITY CONTROL**

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

Matrix: Soil  
Units: mg/kg (ppm)

Lab ID: MB0825S1

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

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

Surrogate Recovery  
o-Terphenyl: 86%

Flags: Y

Date of Report: August 31, 2009  
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Laboratory Reference: 0908-157  
Project: 809

**NWTPH-Dx**  
**METHOD BLANK QUALITY CONTROL**

Date Extracted: 8-26-09  
Date Analyzed: 8-26-09

Matrix: Soil  
Units: mg/kg (ppm)

Lab ID: MB0826S1

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

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

Surrogate Recovery  
o-Terphenyl: 124%

Flags: Y

Date of Report: August 31, 2009  
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**NWTPH-Dx**  
**DUPLICATE QUALITY CONTROL**

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

Matrix: Soil  
Units: mg/kg (ppm)

Lab ID: 08-157-12 08-157-12 DUP

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

RPD: N/A

Surrogate Recovery  
o-Terphenyl: 90% 81%

Flags: Y Y



Date of Report: August 31, 2009  
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**NWTPH-Dx**  
**DUPLICATE QUALITY CONTROL**

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

Matrix: Soil  
Units: mg/kg (ppm)

Lab ID: 08-157-16 08-157-16 DUP

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

RPD: N/A

Surrogate Recovery  
o-Terphenyl: 91% 75%

Flags: Y Y

Date of Report: August 31, 2009  
Samples Submitted: August 21, 2009  
Laboratory Reference: 0908-157  
Project: 809

**NWTPH-Dx**  
**DUPLICATE QUALITY CONTROL**

Date Extracted: 8-26-09  
Date Analyzed: 8-27-09

Matrix: Soil  
Units: mg/kg (ppm)

Lab ID: 08-157-24 08-157-24 DUP

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

RPD: N/A

Surrogate Recovery  
o-Terphenyl: 70% 71%

Flags: Y Y

Date of Report: August 31, 2009  
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Project: 809

**NWTPH-Dx**

Date Extracted: 8-21-09  
Date Analyzed: 8-21-09

Matrix: Water  
Units: mg/L (ppm)

<b>Client ID:</b>	<b>809A284</b>	<b>809A299</b>
Lab ID:	08-157-18	08-157-33

Diesel Range:	<b>ND</b>	<b>ND</b>
PQL:	0.27	0.26
Identification:	---	---

Lube Oil Range:	<b>ND</b>	<b>ND</b>
PQL:	0.43	0.41
Identification:	---	---

Surrogate Recovery		
o-Terphenyl:	83%	87%

Flags:	Y	Y
--------	---	---

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**NWTPH-Dx**  
**METHOD BLANK QUALITY CONTROL**

Date Extracted: 8-21-09  
Date Analyzed: 8-21-09

Matrix: Water  
Units: mg/L (ppm)

Lab ID: MB0821W1

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

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

Surrogate Recovery  
o-Terphenyl: 85%

Flags: Y

Date of Report: August 31, 2009  
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**NWTPH-Dx**  
**DUPLICATE QUALITY CONTROL**

Date Extracted: 8-21-09  
Date Analyzed: 8-21-09

Matrix: Water  
Units: mg/L (ppm)

Lab ID: 08-157-18 08-157-18 DUP

Diesel Range: **ND** **ND**  
PQL: 0.27 0.26

RPD: N/A

Surrogate Recovery  
o-Terphenyl: 83% 84%

Flags: Y Y

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**BTEX  
 EPA 8021B**

Date Extracted: 8-26-09  
 Date Analyzed: 8-26-09

Matrix: Soil  
 Units: mg/kg (ppm)

Client ID:	<b>809A267</b>	<b>809A268</b>
Lab ID:	08-157-01	08-157-02

	<b>Result</b>	Flags	PQL	<b>Result</b>	Flags	PQL
Benzene	<b>ND</b>		0.021	<b>ND</b>		0.020
Toluene	<b>ND</b>		0.11	<b>0.12</b>		0.098
Ethyl Benzene	<b>ND</b>		0.11	<b>ND</b>		0.098
m,p-Xylene	<b>ND</b>		0.11	<b>ND</b>		0.098
o-Xylene	<b>ND</b>		0.11	<b>ND</b>		0.098
Surrogate Recovery:						
Fluorobenzene	102%			107%		

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**BTEX  
 EPA 8021B**

Date Extracted: 8-26-09  
 Date Analyzed: 8-26-09

Matrix: Soil  
 Units: mg/kg (ppm)

Client ID:	<b>809A269</b>	<b>809A270</b>
Lab ID:	08-157-03	08-157-04

	<b>Result</b>	Flags	PQL	<b>Result</b>	Flags	PQL
Benzene	<b>ND</b>		0.020	<b>ND</b>		0.020
Toluene	<b>ND</b>		0.098	<b>ND</b>		0.091
Ethyl Benzene	<b>ND</b>		0.098	<b>ND</b>		0.091
m,p-Xylene	<b>ND</b>		0.098	<b>ND</b>		0.091
o-Xylene	<b>ND</b>		0.098	<b>ND</b>		0.091
Surrogate Recovery:						
Fluorobenzene	108%			106%		

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**BTEX  
 EPA 8021B**

Date Extracted: 8-26-09  
 Date Analyzed: 8-26-09

Matrix: Soil  
 Units: mg/kg (ppm)

Client ID:	<b>809A271</b>	<b>809A272</b>
Lab ID:	08-157-05	08-157-06

	<b>Result</b>	Flags	PQL	<b>Result</b>	Flags	PQL
Benzene	<b>ND</b>		0.020	<b>ND</b>		0.020
Toluene	<b>ND</b>		0.096	<b>ND</b>		0.10
Ethyl Benzene	<b>ND</b>		0.096	<b>ND</b>		0.10
m,p-Xylene	<b>ND</b>		0.096	<b>ND</b>		0.10
o-Xylene	<b>ND</b>		0.096	<b>ND</b>		0.10
Surrogate Recovery:						
Fluorobenzene	107%			104%		



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**BTEX  
 EPA 8021B**

Date Extracted: 8-26-09  
 Date Analyzed: 8-26&27-09

Matrix: Soil  
 Units: mg/kg (ppm)

Client ID:	<b>809A273</b>	<b>809A274</b>
Lab ID:	08-157-07	08-157-08

	<b>Result</b>	Flags	PQL	<b>Result</b>	Flags	PQL
Benzene	<b>ND</b>		0.020	<b>ND</b>		0.020
Toluene	<b>ND</b>		0.084	<b>ND</b>		0.087
Ethyl Benzene	<b>ND</b>		0.084	<b>ND</b>		0.087
m,p-Xylene	<b>ND</b>		0.084	<b>ND</b>		0.087
o-Xylene	<b>ND</b>		0.084	<b>ND</b>		0.087
Surrogate Recovery:						
Fluorobenzene	109%			109%		

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**BTEX  
 EPA 8021B**

Date Extracted: 8-26-09  
 Date Analyzed: 8-27-09

Matrix: Soil  
 Units: mg/kg (ppm)

Client ID:	<b>809A275</b>	<b>809A276</b>
Lab ID:	08-157-09	08-157-10

	<b>Result</b>	Flags	PQL	<b>Result</b>	Flags	PQL
Benzene	<b>ND</b>		0.020	<b>ND</b>		0.020
Toluene	<b>ND</b>		0.086	<b>ND</b>		0.082
Ethyl Benzene	<b>ND</b>		0.086	<b>ND</b>		0.082
m,p-Xylene	<b>ND</b>		0.086	<b>ND</b>		0.082
o-Xylene	<b>ND</b>		0.086	<b>ND</b>		0.082
Surrogate Recovery:						
Fluorobenzene	108%			108%		

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**BTEX  
 EPA 8021B**

Date Extracted: 8-26-09  
 Date Analyzed: 8-27-09

Matrix: Soil  
 Units: mg/kg (ppm)

Client ID: **809A277** **809A278**  
 Lab ID: 08-157-11 08-157-12

	<b>Result</b>	Flags	PQL	<b>Result</b>	Flags	PQL
Benzene	<b>ND</b>		0.022	<b>ND</b>		0.020
Toluene	<b>ND</b>		0.11	<b>ND</b>		0.086
Ethyl Benzene	<b>ND</b>		0.11	<b>ND</b>		0.086
m,p-Xylene	<b>ND</b>		0.11	<b>ND</b>		0.086
o-Xylene	<b>ND</b>		0.11	<b>ND</b>		0.086
Surrogate Recovery:						
Fluorobenzene	106%			108%		

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**BTEX  
 EPA 8021B**

Date Extracted: 8-26-09  
 Date Analyzed: 8-27-09

Matrix: Soil  
 Units: mg/kg (ppm)

Client ID:	<b>809A279</b>	<b>809A280</b>
Lab ID:	08-157-13	08-157-14

	<b>Result</b>	Flags	PQL	<b>Result</b>	Flags	PQL
Benzene	<b>ND</b>		0.020	<b>ND</b>		0.020
Toluene	<b>ND</b>		0.082	<b>ND</b>		0.094
Ethyl Benzene	<b>ND</b>		0.082	<b>ND</b>		0.094
m,p-Xylene	<b>ND</b>		0.082	<b>ND</b>		0.094
o-Xylene	<b>ND</b>		0.082	<b>ND</b>		0.094
Surrogate Recovery:						
Fluorobenzene	107%			105%		

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**BTEX  
 EPA 8021B**

Date Extracted: 8-26-09  
 Date Analyzed: 8-27-09

Matrix: Soil  
 Units: mg/kg (ppm)

Client ID:	<b>809A281</b>	<b>809A282</b>
Lab ID:	08-157-15	08-157-16

	<b>Result</b>	Flags	PQL	<b>Result</b>	Flags	PQL
Benzene	<b>ND</b>		0.020	<b>ND</b>		0.020
Toluene	<b>ND</b>		0.095	<b>ND</b>		0.090
Ethyl Benzene	<b>ND</b>		0.095	<b>ND</b>		0.090
m,p-Xylene	<b>ND</b>		0.095	<b>ND</b>		0.090
o-Xylene	<b>ND</b>		0.095	<b>ND</b>		0.090
Surrogate Recovery:						
Fluorobenzene	103%			102%		

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**BTEX  
 EPA 8021B**

Date Extracted: 8-26-09  
 Date Analyzed: 8-27-09

Matrix: Soil  
 Units: mg/kg (ppm)

Client ID:	<b>809A283</b>	<b>809A285</b>
Lab ID:	08-157-17	08-157-19

	<b>Result</b>	Flags	PQL	<b>Result</b>	Flags	PQL
Benzene	<b>ND</b>		0.020	<b>ND</b>		0.020
Toluene	<b>ND</b>		0.074	<b>ND</b>		0.084
Ethyl Benzene	<b>ND</b>		0.074	<b>ND</b>		0.084
m,p-Xylene	<b>ND</b>		0.074	<b>ND</b>		0.084
o-Xylene	<b>ND</b>		0.074	<b>ND</b>		0.084
Surrogate Recovery:						
Fluorobenzene	111%			94%		

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Samples Submitted: August 21, 2009  
Lab Traveler: 0908-157  
Project: 809

**BTEX  
EPA 8021B**

Date Extracted: 8-26-09  
Date Analyzed: 8-27-09

Matrix: Soil  
Units: mg/kg (ppm)

Client ID: **809A286**  
Lab ID: 08-157-20

	<b>Result</b>	Flags	PQL
Benzene	<b>ND</b>		0.020
Toluene	<b>ND</b>		0.088
Ethyl Benzene	<b>ND</b>		0.088
m,p-Xylene	<b>ND</b>		0.088
o-Xylene	<b>ND</b>		0.088
Surrogate Recovery: Fluorobenzene	95%		

Date of Report: August 31, 2009  
 Samples Submitted: August 21, 2009  
 Lab Traveler: 0908-157  
 Project: 809

**BTEX  
 EPA 8021B**

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

Matrix: Soil  
 Units: mg/kg (ppm)

Client ID:	<b>809A287</b>	<b>809A288</b>
Lab ID:	08-157-21	08-157-22

	<b>Result</b>	Flags	PQL	<b>Result</b>	Flags	PQL
Benzene	<b>ND</b>		0.020	<b>ND</b>		0.020
Toluene	<b>ND</b>		0.086	<b>ND</b>		0.091
Ethyl Benzene	<b>ND</b>		0.086	<b>ND</b>		0.091
m,p-Xylene	<b>ND</b>		0.086	<b>ND</b>		0.091
o-Xylene	<b>ND</b>		0.086	<b>ND</b>		0.091
Surrogate Recovery:						
Fluorobenzene	112%			107%		



Date of Report: August 31, 2009  
 Samples Submitted: August 21, 2009  
 Lab Traveler: 0908-157  
 Project: 809

**BTEX  
 EPA 8021B**

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

Matrix: Soil  
 Units: mg/kg (ppm)

Client ID:	<b>809A289</b>	<b>809A290</b>
Lab ID:	08-157-23	08-157-24

	<b>Result</b>	Flags	PQL	<b>Result</b>	Flags	PQL
Benzene	<b>ND</b>		0.020	<b>ND</b>		0.020
Toluene	<b>ND</b>		0.086	<b>ND</b>		0.080
Ethyl Benzene	<b>ND</b>		0.086	<b>ND</b>		0.080
m,p-Xylene	<b>ND</b>		0.086	<b>ND</b>		0.080
o-Xylene	<b>ND</b>		0.086	<b>ND</b>		0.080
Surrogate Recovery:						
Fluorobenzene	113%			112%		

Date of Report: August 31, 2009  
 Samples Submitted: August 21, 2009  
 Lab Traveler: 0908-157  
 Project: 809

**BTEX  
 EPA 8021B**

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

Matrix: Soil  
 Units: mg/kg (ppm)

Client ID:	<b>809A291</b>	<b>809A292</b>
Lab ID:	08-157-25	08-157-26

	<b>Result</b>	Flags	PQL	<b>Result</b>	Flags	PQL
Benzene	<b>ND</b>		0.020	<b>ND</b>		0.020
Toluene	<b>ND</b>		0.082	<b>ND</b>		0.072
Ethyl Benzene	<b>ND</b>		0.082	<b>ND</b>		0.072
m,p-Xylene	<b>ND</b>		0.082	<b>ND</b>		0.072
o-Xylene	<b>ND</b>		0.082	<b>ND</b>		0.072
Surrogate Recovery:						
Fluorobenzene	112%			115%		

Date of Report: August 31, 2009  
 Samples Submitted: August 21, 2009  
 Lab Traveler: 0908-157  
 Project: 809

**BTEX  
 EPA 8021B**

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

Matrix: Soil  
 Units: mg/kg (ppm)

Client ID:	<b>809A293</b>	<b>809A294</b>
Lab ID:	08-157-27	08-157-28

	<b>Result</b>	Flags	PQL	<b>Result</b>	Flags	PQL
Benzene	<b>ND</b>		0.020	<b>ND</b>		0.020
Toluene	<b>ND</b>		0.078	<b>ND</b>		0.071
Ethyl Benzene	<b>ND</b>		0.078	<b>ND</b>		0.071
m,p-Xylene	<b>ND</b>		0.078	<b>ND</b>		0.071
o-Xylene	<b>ND</b>		0.078	<b>ND</b>		0.071
Surrogate Recovery:						
Fluorobenzene	114%			114%		

Date of Report: August 31, 2009  
 Samples Submitted: August 21, 2009  
 Lab Traveler: 0908-157  
 Project: 809

**BTEX  
 EPA 8021B**

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

Matrix: Soil  
 Units: mg/kg (ppm)

Client ID:	<b>809A295</b>	<b>809A296</b>
Lab ID:	08-157-29	08-157-30

	<b>Result</b>	Flags	PQL	<b>Result</b>	Flags	PQL
Benzene	<b>ND</b>		0.020	<b>ND</b>		0.020
Toluene	<b>ND</b>		0.082	<b>ND</b>		0.080
Ethyl Benzene	<b>ND</b>		0.082	<b>ND</b>		0.080
m,p-Xylene	<b>ND</b>		0.082	<b>ND</b>		0.080
o-Xylene	<b>ND</b>		0.082	<b>ND</b>		0.080
Surrogate Recovery:						
Fluorobenzene	107%			112%		

Date of Report: August 31, 2009  
 Samples Submitted: August 21, 2009  
 Lab Traveler: 0908-157  
 Project: 809

**BTEX  
 EPA 8021B**

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

Matrix: Soil  
 Units: mg/kg (ppm)

Client ID:	<b>809A297</b>	<b>809A298</b>
Lab ID:	08-157-31	08-157-32

	<b>Result</b>	Flags	PQL	<b>Result</b>	Flags	PQL
Benzene	<b>0.044</b>		0.020	<b>ND</b>		0.020
Toluene	<b>0.34</b>		0.065	<b>0.30</b>		0.088
Ethyl Benzene	<b>ND</b>		0.065	<b>ND</b>		0.088
m,p-Xylene	<b>0.068</b>		0.065	<b>ND</b>		0.088
o-Xylene	<b>ND</b>		0.065	<b>ND</b>		0.088
Surrogate Recovery:						
Fluorobenzene	107%			107%		

Date of Report: August 31, 2009  
Samples Submitted: August 21, 2009  
Lab Traveler: 0908-157  
Project: 809

**BTEX  
EPA 8021B  
METHOD BLANK QUALITY CONTROL**

Date Extracted: 8-26-09  
Date Analyzed: 8-26-09

Matrix: Soil  
Units: mg/kg (ppm)

Lab ID: MB0826S1

	<b>Result</b>	Flags	PQL
Benzene	<b>ND</b>		0.020
Toluene	<b>ND</b>		0.050
Ethyl Benzene	<b>ND</b>		0.050
m,p-Xylene	<b>ND</b>		0.050
o-Xylene	<b>ND</b>		0.050

Surrogate Recovery:  
Fluorobenzene 99%

Date of Report: August 31, 2009  
Samples Submitted: August 21, 2009  
Lab Traveler: 0908-157  
Project: 809

**BTEX  
EPA 8021B  
METHOD BLANK QUALITY CONTROL**

Date Extracted: 8-26-09  
Date Analyzed: 8-27-09

Matrix: Soil  
Units: mg/kg (ppm)

Lab ID: MB0826S2

	<b>Result</b>	Flags	PQL
Benzene	<b>ND</b>		0.020
Toluene	<b>ND</b>		0.050
Ethyl Benzene	<b>ND</b>		0.050
m,p-Xylene	<b>ND</b>		0.050
o-Xylene	<b>ND</b>		0.050

Surrogate Recovery:  
Fluorobenzene 93%

Date of Report: August 31, 2009  
Samples Submitted: August 21, 2009  
Lab Traveler: 0908-157  
Project: 809

**BTEX  
EPA 8021B  
METHOD BLANK QUALITY CONTROL**

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

Matrix: Soil  
Units: mg/kg (ppm)

Lab ID: MB0827S1

	<b>Result</b>	Flags	PQL
Benzene	<b>ND</b>		0.020
Toluene	<b>ND</b>		0.050
Ethyl Benzene	<b>ND</b>		0.050
m,p-Xylene	<b>ND</b>		0.050
o-Xylene	<b>ND</b>		0.050

Surrogate Recovery:  
Fluorobenzene 107%



Date of Report: August 31, 2009  
Samples Submitted: August 21, 2009  
Lab Traveler: 0908-157  
Project: 809

**BTEX  
EPA 8021B  
METHOD BLANK QUALITY CONTROL**

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

Matrix: Soil  
Units: mg/kg (ppm)

Lab ID: MB0827S2

	<b>Result</b>	Flags	PQL
Benzene	<b>ND</b>		0.020
Toluene	<b>ND</b>		0.050
Ethyl Benzene	<b>ND</b>		0.050
m,p-Xylene	<b>ND</b>		0.050
o-Xylene	<b>ND</b>		0.050

Surrogate Recovery:  
Fluorobenzene 104%

Date of Report: August 31, 2009  
Samples Submitted: August 21, 2009  
Lab Traveler: 0908-157  
Project: 809

**BTEX  
EPA 8021B  
DUPLICATE QUALITY CONTROL**

Date Extracted: 8-26-09

Date Analyzed: 8-27-09

Matrix: Soil

Units: mg/kg (ppm)

Lab ID:	08-157-17 Original	08-157-17 Duplicate	RPD	Flags
Benzene	ND	ND	NA	
Toluene	ND	ND	NA	
Ethyl Benzene	ND	ND	NA	
m,p-Xylene	ND	ND	NA	
o-Xylene	ND	ND	NA	
Surrogate Recovery:				
Fluorobenzene	111%	107%		

Date of Report: August 31, 2009  
Samples Submitted: August 21, 2009  
Lab Traveler: 0908-157  
Project: 809

**BTEX  
EPA 8021B  
DUPLICATE QUALITY CONTROL**

Date Extracted: 8-26-09

Date Analyzed: 8-27-09

Matrix: Soil

Units: mg/kg (ppm)

Lab ID:	08-157-19 Original	08-157-19 Duplicate	RPD	Flags
Benzene	ND	ND	NA	
Toluene	ND	ND	NA	
Ethyl Benzene	ND	ND	NA	
m,p-Xylene	ND	ND	NA	
o-Xylene	ND	ND	NA	
Surrogate Recovery:				
Fluorobenzene	94%	96%		

Date of Report: August 31, 2009  
 Samples Submitted: August 21, 2009  
 Lab Traveler: 0908-157  
 Project: 809

**BTEX  
 EPA 8021B  
 DUPLICATE QUALITY CONTROL**

Date Extracted: 8-27-09

Date Analyzed: 8-27-09

Matrix: Soil

Units: mg/kg (ppm)

Lab ID:	08-157-26 Original	08-157-26 Duplicate	RPD	Flags
Benzene	ND	ND	NA	
Toluene	ND	ND	NA	
Ethyl Benzene	ND	ND	NA	
m,p-Xylene	ND	ND	NA	
o-Xylene	ND	ND	NA	
Surrogate Recovery:				
Fluorobenzene	115%	112%		

Date of Report: August 31, 2009  
 Samples Submitted: August 21, 2009  
 Lab Traveler: 0908-157  
 Project: 809

**BTEX  
 EPA 8021B  
 DUPLICATE QUALITY CONTROL**

Date Extracted: 8-27-09

Date Analyzed: 8-27-09

Matrix: Soil

Units: mg/kg (ppm)

Lab ID:	08-157-28 Original	08-157-28 Duplicate	RPD	Flags
Benzene	ND	ND	NA	
Toluene	ND	ND	NA	
Ethyl Benzene	ND	ND	NA	
m,p-Xylene	ND	ND	NA	
o-Xylene	ND	ND	NA	
Surrogate Recovery:				
Fluorobenzene	114%	109%		

Date of Report: August 31, 2009  
 Samples Submitted: August 21, 2009  
 Lab Traveler: 0908-157  
 Project: 809

**BTEX  
 EPA 8021B  
 MS/MSD QUALITY CONTROL**

Date Extracted: 8-26-09

Date Analyzed: 8-27-09

Matrix: Soil  
 Units: mg/kg (ppm)

Spike Level (ppm): 3.32

Lab ID:	08-157-19 <b>MS</b>	Percent Recovery	08-157-19 <b>MSD</b>	Percent Recovery	<b>RPD</b>	<b>Flags</b>
Benzene	<b>3.32</b>	<b>100</b>	<b>3.30</b>	<b>99</b>	1	
Toluene	<b>3.30</b>	<b>99</b>	<b>3.29</b>	<b>99</b>	0	
Ethyl Benzene	<b>3.36</b>	<b>100</b>	<b>3.36</b>	<b>100</b>	0	
m,p-Xylene	<b>3.36</b>	<b>100</b>	<b>3.38</b>	<b>100</b>	1	
o-Xylene	<b>3.36</b>	<b>100</b>	<b>3.36</b>	<b>100</b>	0	

Surrogate Recovery:

Fluorobenzene	99%	101%
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Date of Report: August 31, 2009  
 Samples Submitted: August 21, 2009  
 Lab Traveler: 0908-157  
 Project: 809

**BTEX  
 EPA 8021B  
 MS/MSD QUALITY CONTROL**

Date Extracted: 8-27-09

Date Analyzed: 8-28-09

Matrix: Soil  
 Units: mg/kg (ppm)

Spike Level (ppm): 2.96

Lab ID:	08-157-28 <b>MS</b>	Percent Recovery	08-157-28 <b>MSD</b>	Percent Recovery	<b>RPD</b>	<b>Flags</b>
Benzene	<b>2.95</b>	<b>100</b>	<b>2.93</b>	<b>99</b>	1	
Toluene	<b>2.98</b>	<b>100</b>	<b>2.94</b>	<b>99</b>	1	
Ethyl Benzene	<b>3.07</b>	<b>100</b>	<b>3.03</b>	<b>100</b>	1	
m,p-Xylene	<b>3.09</b>	<b>100</b>	<b>3.04</b>	<b>100</b>	2	
o-Xylene	<b>3.05</b>	<b>100</b>	<b>3.03</b>	<b>100</b>	1	

Surrogate Recovery:

Fluorobenzene	102%	104%
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Date of Report: August 31, 2009  
 Samples Submitted: August 21, 2009  
 Lab Traveler: 0908-157  
 Project: 809

**BTEX  
 EPA 8021B**

Date Extracted: 8-28-09  
 Date Analyzed: 8-28-09

Matrix: Water  
 Units: ug/L (ppb)

Client ID:	<b>809A284</b>	<b>809A299</b>
Lab ID:	08-157-18	08-157-33

	<b>Result</b>	Flags	PQL	<b>Result</b>	Flags	PQL
Benzene	<b>ND</b>		1.0	<b>ND</b>		1.0
Toluene	<b>ND</b>		1.0	<b>ND</b>		1.0
Ethyl Benzene	<b>ND</b>		1.0	<b>ND</b>		1.0
m,p-Xylene	<b>ND</b>		1.0	<b>ND</b>		1.0
o-Xylene	<b>ND</b>		1.0	<b>ND</b>		1.0
Surrogate Recovery:						
Fluorobenzene	98%			98%		



Date of Report: August 31, 2009  
Samples Submitted: August 21, 2009  
Lab Traveler: 0908-157  
Project: 809

**BTEX  
EPA 8021B  
METHOD BLANK QUALITY CONTROL**

Date Extracted: 8-28-09  
Date Analyzed: 8-28-09

Matrix: Water  
Units: ug/L (ppb)

Lab ID: MB0828W2

	<b>Result</b>	<b>Flags</b>	<b>PQL</b>
Benzene	<b>ND</b>		1.0
Toluene	<b>ND</b>		1.0
Ethyl Benzene	<b>ND</b>		1.0
m,p-Xylene	<b>ND</b>		1.0
o-Xylene	<b>ND</b>		1.0
Surrogate Recovery: Fluorobenzene	98%		

Date of Report: August 31, 2009  
 Samples Submitted: August 21, 2009  
 Lab Traveler: 0908-157  
 Project: 809

**BTEX  
 EPA 8021B  
 DUPLICATE QUALITY CONTROL**

Date Extracted: 8-28-09  
 Date Analyzed: 8-28-09

Matrix: Water  
 Units: ug/L (ppb)

Lab ID:	08-156-02 Original	08-156-02 Duplicate	RPD	Flags
Benzene	ND	ND	NA	
Toluene	ND	ND	NA	
Ethyl Benzene	ND	ND	NA	
m,p-Xylene	ND	ND	NA	
o-Xylene	ND	ND	NA	
Surrogate Recovery: Fluorobenzene	97%	97%		

Date of Report: August 31, 2009  
 Samples Submitted: August 21, 2009  
 Lab Traveler: 0908-157  
 Project: 809

**BTEX  
 EPA 8021B  
 MS/MSD QUALITY CONTROL**

Date Extracted: 8-28-09  
 Date Analyzed: 8-28-09

Matrix: Water  
 Units: ug/L (ppb)

Spike Level: 50.0 ppb

Lab ID:	08-156-01 <b>MS</b>	Percent Recovery	08-156-01 <b>MSD</b>	Percent Recovery	<b>RPD</b>	<b>Flags</b>
Benzene	<b>48.6</b>	<b>97</b>	<b>48.6</b>	<b>97</b>	0	
Toluene	<b>49.2</b>	<b>99</b>	<b>49.1</b>	<b>98</b>	0	
Ethyl Benzene	<b>51.5</b>	<b>100</b>	<b>51.6</b>	<b>100</b>	0	
m,p-Xylene	<b>51.7</b>	<b>101</b>	<b>51.8</b>	<b>101</b>	0	
o-Xylene	<b>51.7</b>	<b>101</b>	<b>51.1</b>	<b>100</b>	1	

Surrogate Recovery:	
Fluorobenzene	92%                      91%

Date of Report: August 31, 2009  
 Samples Submitted: August 21, 2009  
 Laboratory Reference: 0908-157  
 Project: 809

**TOTAL ARSENIC  
 EPA 6010B**

Date Extracted: 8-27-09  
 Date Analyzed: 8-27-09  
 Matrix: Soil  
 Units: mg/kg (ppm)

Client ID	Lab ID	Result	PQL
<b>809A267</b>	08-157-01	<b>ND</b>	13
<b>809A268</b>	08-157-02	<b>ND</b>	13
<b>809A269</b>	08-157-03	<b>ND</b>	13
<b>809A270</b>	08-157-04	<b>ND</b>	13
<b>809A271</b>	08-157-05	<b>ND</b>	13
<b>809A272</b>	08-157-06	<b>ND</b>	13
<b>809A273</b>	08-157-07	<b>ND</b>	12
<b>809A274</b>	08-157-08	<b>ND</b>	13
<b>809A275</b>	08-157-09	<b>ND</b>	13
<b>809A276</b>	08-157-10	<b>ND</b>	12
<b>809A277</b>	08-157-11	<b>ND</b>	12
<b>809A278</b>	08-157-12	<b>ND</b>	12
<b>809A279</b>	08-157-13	<b>ND</b>	12
<b>809A280</b>	08-157-14	<b>ND</b>	12

Date of Report: August 31, 2009  
 Samples Submitted: August 21, 2009  
 Laboratory Reference: 0908-157  
 Project: 809

**TOTAL ARSENIC  
 EPA 6010B**

Date Extracted: 8-27-09  
 Date Analyzed: 8-27-09  
 Matrix: Soil  
 Units: mg/kg (ppm)

Client ID	Lab ID	Result	PQL
<b>809A281</b>	08-157-15	<b>ND</b>	12
<b>809A282</b>	08-157-16	<b>ND</b>	12
<b>809A283</b>	08-157-17	<b>ND</b>	12
<b>809A285</b>	08-157-19	<b>ND</b>	13
<b>809A286</b>	08-157-20	<b>ND</b>	13
<b>809A287</b>	08-157-21	<b>ND</b>	12
<b>809A288</b>	08-157-22	<b>ND</b>	13
<b>809A289</b>	08-157-23	<b>ND</b>	13
<b>809A290</b>	08-157-24	<b>ND</b>	12
<b>809A291</b>	08-157-25	<b>ND</b>	12
<b>809A292</b>	08-157-26	<b>ND</b>	12
<b>809A293</b>	08-157-27	<b>ND</b>	12
<b>809A294</b>	08-157-28	<b>ND</b>	12
<b>809A295</b>	08-157-29	<b>ND</b>	11

Date of Report: August 31, 2009  
Samples Submitted: August 21, 2009  
Laboratory Reference: 0908-157  
Project: 809

**TOTAL ARSENIC  
EPA 6010B**

Date Extracted: 8-27-09  
Date Analyzed: 8-27-09  
  
Matrix: Soil  
Units: mg/kg (ppm)

Client ID	Lab ID	Result	PQL
<b>809A296</b>	08-157-30	<b>ND</b>	11
<b>809A297</b>	08-157-31	<b>ND</b>	11
<b>809A298</b>	08-157-32	<b>ND</b>	11

Date of Report: August 31, 2009  
Samples Submitted: August 21, 2009  
Laboratory Reference: 0908-157  
Project: 809

**TOTAL ARSENIC  
EPA 6010B  
METHOD BLANK QUALITY CONTROL**

Date Extracted: 8-27-09  
Date Analyzed: 8-27-09  
  
Matrix: Soil  
Units: mg/kg (ppm)  
  
Lab ID: MB0827S1

Analyte	Method	Result	PQL
Arsenic	6010B	<b>ND</b>	10

Date of Report: August 31, 2009  
Samples Submitted: August 21, 2009  
Laboratory Reference: 0908-157  
Project: 809

**TOTAL ARSENIC  
EPA 6010B  
METHOD BLANK QUALITY CONTROL**

Date Extracted: 8-27-09  
Date Analyzed: 8-27-09  
  
Matrix: Soil  
Units: mg/kg (ppm)  
  
Lab ID: MB0827S2

Analyte	Method	Result	PQL
Arsenic	6010B	<b>ND</b>	10



Date of Report: August 31, 2009  
Samples Submitted: August 21, 2009  
Laboratory Reference: 0908-157  
Project: 809

**TOTAL ARSENIC  
EPA 6010B  
DUPLICATE QUALITY CONTROL**

Date Extracted: 8-27-09

Date Analyzed: 8-27-09

Matrix: Soil

Units: mg/kg (ppm)

Lab ID: 08-193-01

Analyte	Sample Result	Duplicate Result	RPD	Flags	PQL
Arsenic	<b>ND</b>	<b>ND</b>	NA		10

Date of Report: August 31, 2009  
Samples Submitted: August 21, 2009  
Laboratory Reference: 0908-157  
Project: 809

**TOTAL ARSENIC  
EPA 6010B  
DUPLICATE QUALITY CONTROL**

Date Extracted: 8-27-09

Date Analyzed: 8-27-09

Matrix: Soil

Units: mg/kg (ppm)

Lab ID: 08-157-21

Analyte	Sample Result	Duplicate Result	RPD	Flags	PQL
Arsenic	<b>ND</b>	<b>ND</b>	NA		10

Date of Report: August 31, 2009  
Samples Submitted: August 21, 2009  
Laboratory Reference: 0908-157  
Project: 809

**TOTAL ARSENIC  
EPA 6010B  
MS/MSD QUALITY CONTROL**

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

Matrix: Soil  
Units: mg/kg (ppm)

Lab ID: 08-193-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	<b>80.2</b>	80	<b>83.9</b>	84	5	

Date of Report: August 31, 2009  
Samples Submitted: August 21, 2009  
Laboratory Reference: 0908-157  
Project: 809

**TOTAL ARSENIC  
EPA 6010B  
MS/MSD QUALITY CONTROL**

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

Matrix: Soil  
Units: mg/kg (ppm)

Lab ID: 08-157-21

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	<b>87.5</b>	88	<b>86.8</b>	87	1	

Date of Report: August 31, 2009  
Samples Submitted: August 21, 2009  
Laboratory Reference: 0908-157  
Project: 809

**TOTAL ARSENIC**  
**EPA 200.8**

Date Extracted: 8-26-09  
Date Analyzed: 8-26-09  
  
Matrix: Water  
Units: ug/L (ppb)

Client ID	Lab ID	Result	PQL
<b>809A284</b>	08-157-18	<b>ND</b>	3.3
<b>809A299</b>	08-157-33	<b>ND</b>	3.3

Date of Report: August 31, 2009  
Samples Submitted: August 21, 2009  
Laboratory Reference: 0908-157  
Project: 809

**TOTAL ARSENIC  
EPA 200.8  
METHOD BLANK QUALITY CONTROL**

Date Extracted: 8-26-09  
Date Analyzed: 8-26-09  
  
Matrix: Water  
Units: ug/L (ppb)  
  
Lab ID: MB0826W1

Analyte	Method	Result	PQL
Arsenic	200.8	<b>ND</b>	3.3

Date of Report: August 31, 2009  
Samples Submitted: August 21, 2009  
Laboratory Reference: 0908-157  
Project: 809

**TOTAL ARSENIC  
EPA 200.8  
DUPLICATE QUALITY CONTROL**

Date Extracted: 8-26-09

Date Analyzed: 8-26-09

Matrix: Water

Units: ug/L (ppb)

Lab ID: 08-157-18

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	<b>ND</b>	<b>ND</b>	NA	3.3	

Date of Report: August 31, 2009  
Samples Submitted: August 21, 2009  
Laboratory Reference: 0908-157  
Project: 809

**TOTAL ARSENIC**  
**EPA 200.8**  
**MS/MSD QUALITY CONTROL**

Date Extracted: 8-26-09

Date Analyzed: 8-26-09

Matrix: Water

Units: ug/L (ppb)

Lab ID: 08-157-18

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	110	<b>107</b>	97	<b>111</b>	101	4	



Date of Report: August 31, 2009  
 Samples Submitted: August 21, 2009  
 Lab Traveler: 0908-157  
 Project: 809

### % MOISTURE

Date Analyzed: 8-25&26-09

Client ID	Lab ID	% Moisture
809A267	08-157-01	23
809A268	08-157-02	23
809A269	08-157-03	22
809A270	08-157-04	22
809A271	08-157-05	23
809A272	08-157-06	22
809A273	08-157-07	18
809A274	08-157-08	21
809A275	08-157-09	20
809A276	08-157-10	18
809A277	08-157-11	18
809A278	08-157-12	17
809A279	08-157-13	16
809A280	08-157-14	17
809A281	08-157-15	18
809A282	08-157-16	14
809A283	08-157-17	17
809A285	08-157-19	21
809A286	08-157-20	20
809A287	08-157-21	19
809A288	08-157-22	20
809A289	08-157-23	20
809A290	08-157-24	19
809A291	08-157-25	18
809A292	08-157-26	19
809A293	08-157-27	18
809A294	08-157-28	17

Date of Report: August 31, 2009  
Samples Submitted: August 21, 2009  
Lab Traveler: 0908-157  
Project: 809

### **% MOISTURE**

Date Analyzed: 8-26-09

Client ID	Lab ID	% Moisture
809A295	08-157-29	13
809A296	08-157-30	12
809A297	08-157-31	5
809A298	08-157-32	5



### 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



Phone: (425) 883-3881 • Fax: (425) 885-4603

# Chain of Custody

Page 1 of 4

**Environmental Inc.**

Phone: (425) 883-3861 • Fax: (425) 885-4603

**Turnaround Request**  
(in working days)

**Laboratory Number:**

**08-157**

(Check One)

☐ Same Day ☐ 1 Day

☐ 2 Day ☐ 3 Day

☒ Standard (7 working days)  
(TPH analysis 5 working days)

☐ (other)

**Requested Analysis**

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	
<b>BTEX</b>	
<b>EPA 8021B/8260B</b>	
<b>Arsenic</b>	

% Moisture

(Check One)

☐ Same Day ☐ 1 Day

☐ 2 Day ☐ 3 Day

☒ Standard (7 working days)  
(TPH analysis 5 working days)

☐ (other)

**Requested Analysis**

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	
<b>BTEX</b>	
<b>EPA 8021B/8260B</b>	
<b>Arsenic</b>	

% Moisture

(Check One)

☐ Same Day ☐ 1 Day

☐ 2 Day ☐ 3 Day

☒ Standard (7 working days)  
(TPH analysis 5 working days)

☐ (other)

**Requested Analysis**

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	
<b>BTEX</b>	
<b>EPA 8021B/8260B</b>	
<b>Arsenic</b>	

% Moisture

(Check One)

☐ Same Day ☐ 1 Day

☐ 2 Day ☐ 3 Day

☒ Standard (7 working days)  
(TPH analysis 5 working days)

☐ (other)

**Requested Analysis**

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	
<b>BTEX</b>	
<b>EPA 8021B/8260B</b>	
<b>Arsenic</b>	

% Moisture

(Check One)

☐ Same Day ☐ 1 Day

☐ 2 Day ☐ 3 Day

☒ Standard (7 working days)  
(TPH analysis 5 working days)

☐ (other)

**Requested Analysis**

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	
<b>BTEX</b>	
<b>EPA 8021B/8260B</b>	
<b>Arsenic</b>	

% Moisture

(Check One)

☐ Same Day ☐ 1 Day



**MVA Onsite**  
**Environmental Inc.**

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# Chain of Custody

Page 2 of 4

Turnaround Request  
(in working days)

Laboratory Number:

08-157

(Check One)

☐ Same Day ☐ 1 Day

☐ 2 Day ☐ 3 Day

☒ Standard (7 working days)

(TPH analysis 5 working days)

Sampled by:

CESTI

(other)

Requested Analysis

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  
**BTEX**  
**EPA 8021B/8260B**  
**Arsenic**

% Moisture

Lab ID Sample Identification

Date Sampled Time Sampled

701

11 809A 2277

8/18/09 1150 S 2

X

12 809A 278

8/18/09 1245 S 2

X

13 809A 279

8/18/09 1300 S 2

X

14 809A 280

8/18/09 1315 S 2

X

15 809A 281

8/18/09 1315 S 2

X

16 809A 282

8/18/09 1330 S 2

X

17 809A 283

8/18/09 1345 S 2

X

18 809A 284

8/19/09 1000 W 5

X

19 809A 285

8/19/09 1020 S 2

X

20 809A 286

8/19/09 1030 S 2

X

Signature

Comment

Date

Time

Comments/Special Instructions

Relinquished by R.M. S. S.

CESTI

8/20/09

1110

Please send a copy of results via email to: Elizabeth Sipping - ces@cas@pocketinet.com

Received by M. S.

CE

8/20/09

330

Relinquished by

Received by

Relinquished by

Received by

Reviewed by/Date

Reviewed by/Date

Chromatograms with final report ☐



**MVA OnSite**  
**Environmental Inc.**

Phone: (425) 893-3981 • Fax: (425) 895-4603

# Chain of Custody

Page 3 of 4

Company: Riverside Associates  
Project Number: 809  
Project Name: Double H  
Project Manager: Ron Hicks  
Sampled by: CE SI

(Check One)

☐ Same Day ☐ 1 Day

☐ 2 Day ☐ 3 Day

☒ Standard (7 working days)  
(TPH analysis 5 working days)

☐ (other)

Turnaround Request  
(in working days)

Laboratory Number:

Requested Analysis

08-157

Lab ID: 809A 287  
Sample Identification: 809A 288  
809A 289  
809A 290  
809A 291  
809A 292  
809A 293  
809A 294  
809A 295  
809A 296

Date Sampled: 8/19/09  
Time Sampled: 1040  
Weather: S  
Moon: 2

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

BTEX  
EPA 8021B/8260B

Arsenic

% Moisture

Signature: [Signature]

Company: CE SI

Date: 8/30/09

Time: 1110

Comments/Spec. Instructions: Please send a copy of results via email to: Elizabeth Spiny - cesias@pocketnet.com

Received by: [Signature]

Received by: [Signature]

Received by: [Signature]

Received by: [Signature]

Received by: [Signature]

Received by: [Signature]

Received by: [Signature]

Received by: [Signature]

Received by: [Signature]

Received by: [Signature]

Received by: [Signature]

Received by: [Signature]

Received by: [Signature]

Received by: [Signature]

Received by: [Signature]

Received by: [Signature]

Received by: [Signature]

Received by: [Signature]

Received by: [Signature]

Received by: [Signature]

Reviewed by/Date

Reviewed by/Date

Chromatograms with final report ☐



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Environmental Inc.**  
Phone: (425) 883-8881 • Fax: (425) 885-4603

# Chain of Custody

Page 4 of 4

Turnaround Request:  
(in working days)

Laboratory Number:

**08-1157**

(Check One)

☐ Same Day

☐ 1 Day

☐ 2 Day

☐ 3 Day

☒ Standard (7 working days)  
(TPH analysis 5 working days)

☐ (other)

Requested Analysis

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	
<b>BTEX</b>	
<b>EPA 8021 B/8260B</b>	
<b>Arsenic</b>	

% Moisture

Company: **Riverside Associates**

Project Number: **809**

Project Name: **Double H**

Project Manager: **Ron Hicks**

Sampled by: **CE SI**

Lab ID: **809A297**

Date Sampled: **8/19/09**

Time Sampled: **1230**

Matrix: **S**

Cont: **2**

Vol: **5**

PH: **5**

Temp: **5**

Humidity: **5**

Wind: **5**

Clouds: **5**

Visibility: **5**

Pressure: **5**

Altitude: **5**

Latitude: **5**

Longitude: **5**

Location: **5**

Site: **5**

Well: **5**

Depth: **5**

Flow: **5**

Direction: **5**

Duration: **5**

Frequency: **5**

Season: **5**

Month: **5**

Day: **5**

Year: **5**

Time: **5**

Location: **5**

Site: **5**

Well: **5**

Depth: **5**

Flow: **5**

Direction: **5**

Duration: **5**

Frequency: **5**

Season: **5**

Month: **5**

Day: **5**

Year: **5**

Time: **5**

Location: **5**

Site: **5**

Well: **5**

Depth: **5**

Flow: **5**

Direction: **5**

Duration: **5**

Frequency: **5**

Season: **5**

Month: **5**

Day: **5**

Year: **5**

Time: **5**

Location: **5**

Site: **5**

Well: **5**

Depth: **5**

Flow: **5**

Direction: **5**

Duration: **5**

Frequency: **5**

Season: **5**

Month: **5**

Day: **5**

Year: **5**

Time: **5**

Location: **5**

Site: **5**

Well: **5**

Depth: **5**

Flow: **5**

Direction: **5**

Duration: **5**

Frequency: **5**

Season: **5**

Month: **5**

Day: **5**

Year: **5**

Time: **5**

Location: **5**

Site: **5**

Well: **5**

Depth: **5**

Flow: **5**

Direction: **5**

Duration: **5**

Frequency: **5**

Season: **5**

Month: **5**

Day: **5**

Year: **5**

Time: **5**

Location: **5**

Site: **5**

Well: **5**

Depth: **5**

Flow: **5**

Direction: **5**

Duration: **5**

Frequency: **5**

Season: **5**

Month: **5**

Day: **5**

Year: **5**

Time: **5**

Location: **5**

Site: **5**

Well: **5**

Depth: **5**

Flow: **5**

Direction: **5**

Duration: **5**

Frequency: **5**

Season: **5**

Month: **5**

Day: **5**

Year: **5**

Time: **5**

Location: **5**

Site: **5**

Well: **5**

Depth: **5**

Flow: **5**

Direction: **5**

Duration: **5**

Frequency: **5**

Signature: **CE SI**

Company: **CE SI**

Date: **8/20/09**

Time: **1100**

Location: **8260B**

Site: **930**

Comments/Special Instructions: **Please send a copy of results via email to: Elizabeth Spiny - ceas@pocketnet.com**

Relinquished by

Received by

Relinquished by

Received by

Relinquished by

Received by

Relinquished by

Reviewed by/Date

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy

Chromatograms with final report ☐