



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

August 21, 2009

Ron Hicks
Riverside Associates
1123 Pomona Road
Yakima, WA 98901

Re: Analytical Data for Project 809
Laboratory Reference No. 0907-165

Dear Ron:

Enclosed are the analytical results and associated quality control data for samples submitted on July 23, 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', followed by a horizontal line.

David Baumeister
Project Manager

Enclosures

Date of Report: August 21, 2009
Samples Submitted: July 23, 2009
Laboratory Reference: 0907-165
Project: 809

Case Narrative

Samples were collected on July 21, 2009, and received by the laboratory on July 23, 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 21, 2009
 Samples Submitted: July 23, 2009
 Laboratory Reference: 0907-165
 Project: 809

NWTPH-Dx

Date Extracted: 7-27-09
 Date Analyzed: 7-27-09

Matrix: Soil
 Units: mg/kg (ppm)

Client ID:	809021	809022	809023
Lab ID:	07-165-01	07-165-02	07-165-03
Diesel Range:	ND	ND	ND
PQL:	26	26	26
Identification:	---	---	---
Lube Oil Range:	ND	ND	ND
PQL:	51	51	52
Identification:	---	---	---
Surrogate Recovery			
o-Terphenyl:	84%	107%	92%
Flags:	Y	Y	Y

Date of Report: August 21, 2009
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NWTPH-Dx

Date Extracted: 7-27-09
 Date Analyzed: 7-27-09

Matrix: Soil
 Units: mg/kg (ppm)

Client ID:	809024	809025	809026
Lab ID:	07-165-04	07-165-05	07-165-06
Diesel Range:	ND	ND	ND
PQL:	27	27	26
Identification:	---	---	---
Lube Oil Range:	ND	ND	ND
PQL:	54	53	53
Identification:	---	---	---
Surrogate Recovery			
o-Terphenyl:	99%	90%	93%
Flags:	Y	Y	Y

Date of Report: August 21, 2009
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NWTPH-Dx

Date Extracted: 7-27-09
 Date Analyzed: 7-27-09

Matrix: Soil
 Units: mg/kg (ppm)

Client ID:	809027	809028	809029
Lab ID:	07-165-07	07-165-08	07-165-09
Diesel Range:	ND	ND	ND
PQL:	26	26	26
Identification:	---	---	---
Lube Oil Range:	ND	ND	ND
PQL:	52	53	52
Identification:	---	---	---
Surrogate Recovery			
o-Terphenyl:	84%	93%	73%
Flags:	Y	Y	Y

Date of Report: August 21, 2009
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NWTPH-Dx

Date Extracted: 7-27-09
 Date Analyzed: 7-27-09

Matrix: Soil
 Units: mg/kg (ppm)

Client ID:	809030	809031	809032
Lab ID:	07-165-10	07-165-11	07-165-12
Diesel Range:	ND	ND	ND
PQL:	26	26	26
Identification:	---	---	---
Lube Oil Range:	ND	ND	ND
PQL:	52	52	52
Identification:	---	---	---
Surrogate Recovery			
o-Terphenyl:	97%	118%	101%
Flags:	Y	Y	Y

Date of Report: August 21, 2009
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NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted: 7-27-09
Date Analyzed: 7-27-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0727S1

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

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

Surrogate Recovery
o-Terphenyl: 117%

Flags: Y

Date of Report: August 21, 2009
Samples Submitted: July 23, 2009
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Project: 809

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted: 7-27-09
Date Analyzed: 7-27-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 07-144-02 07-144-02 DUP

Diesel Range: **37.2** **31.2**
PQL: 25 25

RPD: 18

Surrogate Recovery
o-Terphenyl: 100% 92%

Flags: Y Y

Date of Report: August 21, 2009
Samples Submitted: July 23, 2009
Laboratory Reference: 0907-165
Project: 809

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted: 7-27-09
Date Analyzed: 7-27-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 07-165-09 07-165-09 DUP

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

RPD: N/A

Surrogate Recovery
o-Terphenyl: 73% 88%

Flags: Y Y

Date of Report: August 21, 2009
 Samples Submitted: July 23, 2009
 Lab Traveler: 0907-165
 Project: 809

**BTEX
 EPA 8021B**

Date Extracted: 7-24-09
 Date Analyzed: 7-24-09

Matrix: Soil
 Units: mg/kg (ppm)

Client ID:	809021	809022
Lab ID:	07-165-01	07-165-02

	Result	Flags	PQL	Result	Flags	PQL
Benzene	ND		0.020	ND		0.020
Toluene	ND		0.068	ND		0.060
Ethyl Benzene	ND		0.068	ND		0.060
m,p-Xylene	ND		0.068	ND		0.060
o-Xylene	ND		0.068	ND		0.060
Surrogate Recovery:						
Fluorobenzene	84%			84%		

Date of Report: August 21, 2009
 Samples Submitted: July 23, 2009
 Lab Traveler: 0907-165
 Project: 809

**BTEX
 EPA 8021B**

Date Extracted: 7-24-09
 Date Analyzed: 7-24-09

Matrix: Soil
 Units: mg/kg (ppm)

Client ID:	809023	809024
Lab ID:	07-165-03	07-165-04

	Result	Flags	PQL	Result	Flags	PQL
Benzene	ND		0.020	ND		0.020
Toluene	ND		0.072	ND		0.077
Ethyl Benzene	ND		0.072	ND		0.077
m,p-Xylene	ND		0.072	ND		0.077
o-Xylene	ND		0.072	ND		0.077
Surrogate Recovery:						
Fluorobenzene	82%			88%		

Date of Report: August 21, 2009
Samples Submitted: July 23, 2009
Lab Traveler: 0907-165
Project: 809

**BTEX
EPA 8021B**

Date Extracted: 7-24-09
Date Analyzed: 7-24-09

Matrix: Soil
Units: mg/kg (ppm)

Client ID:	809025	809026
Lab ID:	07-165-05	07-165-06

	Result	Flags	PQL	Result	Flags	PQL
Benzene	ND		0.020	ND		0.020
Toluene	ND		0.076	ND		0.076
Ethyl Benzene	ND		0.076	ND		0.076
m,p-Xylene	ND		0.076	ND		0.076
o-Xylene	ND		0.076	ND		0.076
Surrogate Recovery: Fluorobenzene	91%			90%		

Date of Report: August 21, 2009
 Samples Submitted: July 23, 2009
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 Project: 809

**BTEX
 EPA 8021B**

Date Extracted: 7-24-09
 Date Analyzed: 7-24-09

Matrix: Soil
 Units: mg/kg (ppm)

Client ID:	809027	809028
Lab ID:	07-165-07	07-165-08

	Result	Flags	PQL	Result	Flags	PQL
Benzene	ND		0.020	ND		0.020
Toluene	ND		0.070	ND		0.073
Ethyl Benzene	ND		0.070	ND		0.073
m,p-Xylene	ND		0.070	ND		0.073
o-Xylene	ND		0.070	ND		0.073
Surrogate Recovery:						
Fluorobenzene	88%			88%		

Date of Report: August 21, 2009
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 Project: 809

**BTEX
 EPA 8021B**

Date Extracted: 7-24-09
 Date Analyzed: 7-27-09

Matrix: Soil
 Units: mg/kg (ppm)

Client ID:	809029	809030
Lab ID:	07-165-09	07-165-10

	Result	Flags	PQL	Result	Flags	PQL
Benzene	ND		0.020	ND		0.020
Toluene	ND		0.068	ND		0.065
Ethyl Benzene	ND		0.068	ND		0.065
m,p-Xylene	ND		0.068	ND		0.065
o-Xylene	ND		0.068	ND		0.065
Surrogate Recovery:						
Fluorobenzene	89%			89%		

Date of Report: August 21, 2009
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 Project: 809

**BTEX
 EPA 8021B**

Date Extracted: 7-24-09
 Date Analyzed: 7-27-09

Matrix: Soil
 Units: mg/kg (ppm)

Client ID:	809031	809032
Lab ID:	07-165-11	07-165-12

	Result	Flags	PQL	Result	Flags	PQL
Benzene	ND		0.020	ND		0.020
Toluene	ND		0.071	ND		0.068
Ethyl Benzene	ND		0.071	ND		0.068
m,p-Xylene	ND		0.071	ND		0.068
o-Xylene	ND		0.071	ND		0.068
Surrogate Recovery:						
Fluorobenzene	86%			86%		

Date of Report: August 21, 2009
Samples Submitted: July 23, 2009
Lab Traveler: 0907-165
Project: 809

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

Date Extracted: 7-24-09
Date Analyzed: 7-24-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0724S1

	Result	Flags	PQL
Benzene	ND		0.020
Toluene	ND		0.050
Ethyl Benzene	ND		0.050
m,p-Xylene	ND		0.050
o-Xylene	ND		0.050
Surrogate Recovery: Fluorobenzene	86%		

Date of Report: August 21, 2009
Samples Submitted: July 23, 2009
Lab Traveler: 0907-165
Project: 809

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

Date Extracted: 7-24-09
Date Analyzed: 7-24-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0724S2

	Result	Flags	PQL
Benzene	ND		0.020
Toluene	ND		0.050
Ethyl Benzene	ND		0.050
m,p-Xylene	ND		0.050
o-Xylene	ND		0.050
Surrogate Recovery: Fluorobenzene	83%		

Date of Report: August 21, 2009
Samples Submitted: July 23, 2009
Lab Traveler: 0907-165
Project: 809

**BTEX
EPA 8021B
DUPLICATE QUALITY CONTROL**

Date Extracted: 7-24-09

Date Analyzed: 7-24-09

Matrix: Soil

Units: mg/kg (ppm)

Lab ID:	07-165-01 Original	07-165-01 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	84%	84%		

Date of Report: August 21, 2009
Samples Submitted: July 23, 2009
Lab Traveler: 0907-165
Project: 809

**BTEX
EPA 8021B
DUPLICATE QUALITY CONTROL**

Date Extracted: 7-24-09

Date Analyzed: 7-24-09

Matrix: Soil

Units: mg/kg (ppm)

Lab ID:	07-165-02 Original	07-165-02 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	84%	85%		

Date of Report: August 21, 2009
 Samples Submitted: July 23, 2009
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 Project: 809

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

Date Extracted: 7-24-09

Date Analyzed: 7-24-09

Matrix: Soil

Units: mg/kg (ppm)

Spike Level (ppm): 3.35

Lab ID:	07-165-01 MS	Percent Recovery	07-165-01 MSD	Percent Recovery	RPD	Flags
Benzene	3.06	92	3.11	93	1	
Toluene	3.06	91	3.10	93	1	
Ethyl Benzene	3.14	94	3.17	95	1	
m,p-Xylene	3.14	94	3.17	95	1	
o-Xylene	3.12	93	3.14	94	1	

Surrogate Recovery:

Fluorobenzene	93%	92%
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Date of Report: August 21, 2009
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 Laboratory Reference: 0907-165
 Project: 809

**TOTAL ARSENIC
 EPA 6010B**

Date Extracted: 7-24-09
 Date Analyzed: 7-27-09

 Matrix: Soil
 Units: mg/kg (ppm)

Client ID	Lab ID	Result	PQL
809021	07-165-01	ND	10
809022	07-165-02	ND	10
809023	07-165-03	ND	10
809024	07-165-04	ND	11
809025	07-165-05	ND	11
809026	07-165-06	ND	11
809027	07-165-07	ND	10
809028	07-165-08	ND	11
809029	07-165-09	ND	10
809030	07-165-10	ND	10
809031	07-165-11	ND	10
809032	07-165-12	ND	10

Date of Report: August 21, 2009
Samples Submitted: July 23, 2009
Laboratory Reference: 0907-165
Project: 809

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

Date Extracted: 7-24-09
Date Analyzed: 7-24-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0724S7

Analyte	Method	Result	PQL
Arsenic	6010B	ND	10

Date of Report: August 21, 2009
Samples Submitted: July 23, 2009
Laboratory Reference: 0907-165
Project: 809

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

Date Extracted: 7-24-09

Date Analyzed: 7-24-09

Matrix: Soil

Units: mg/kg (ppm)

Lab ID: 07-176-06

Analyte	Sample Result	Duplicate Result	RPD	Flags	PQL
Arsenic	ND	ND	NA		10

Date of Report: August 21, 2009
Samples Submitted: July 23, 2009
Laboratory Reference: 0907-165
Project: 809

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

Date Extracted: 7-24-09

Date Analyzed: 7-24-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 07-176-06

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	98.7	99	103	103	4	

Date of Report: August 21, 2009
Samples Submitted: July 23, 2009
Lab Traveler: 0907-165
Project: 809

% MOISTURE

Date Analyzed: 7-27-09

Client ID	Lab ID	% Moisture
809021	07-165-01	2
809022	07-165-02	2
809023	07-165-03	3
809024	07-165-04	8
809025	07-165-05	6
809026	07-165-06	5
809027	07-165-07	3
809028	07-165-08	5
809029	07-165-09	4
809030	07-165-10	3
809031	07-165-11	4
809032	07-165-12	4



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

OnSite Environmental, Inc.
14648 NE 95th Street
Redmond, WA 98052

Report Number: P090500
Report Date: August 20, 2009
Client Project ID: 809

Analytical Report

Client Sample ID: 809021

Matrix: soil

PAL Sample ID: P090500-01

Sample Date: 7/21/09

Extraction Date	Analysis Date	Analyte	Amount Detected	Method Reporting Limit	Notes
Method: Modified EPA 8141B (GC-FPD)					
8/03/09	8/4/09	Dimethoate	0.038 mg/kg	0.017 mg/kg	
Method: Modified EPA 8321B (HPLC-MS)					
8/03/09	8/4/09	Carbaryl	0.0025 mg/kg	0.0017 mg/kg	
Method: Monsanto Method (HPLC-FLD)					
8/10/09	8/17/09	AMPA	0.44 mg/kg	0.096 mg/kg	
8/10/09	8/17/09	Glyphosate	6.2 mg/kg	0.096 mg/kg	

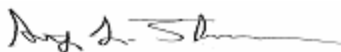
Client Sample ID: 809022

Matrix: soil

PAL Sample ID: P090500-02

Sample Date: 7/21/09

Extraction Date	Analysis Date	Analyte	Amount Detected	Method Reporting Limit	Notes
Method: Modified EPA 8141B (GC-FPD)					
8/03/09	8/4/09	Dimethoate	Not Detected	0.017 mg/kg	
Method: Modified EPA 8321B (HPLC-MS)					
8/03/09	8/4/09	Carbaryl	Not Detected	0.0017 mg/kg	
Method: Monsanto Method (HPLC-FLD)					
8/10/09	8/17/09	AMPA	0.32 mg/kg	0.098 mg/kg	
8/10/09	8/17/09	Glyphosate	0.14 mg/kg	0.098 mg/kg	



Steve Thun, Laboratory Director

OnSite Environmental, Inc.
14648 NE 95th Street
Redmond, WA 98052

Report Number: P090500
Report Date: August 20, 2009
Client Project ID: 809

Analytical Report

Client Sample ID: 809023

Matrix: soil

PAL Sample ID: P090500-03

Sample Date: 7/21/09

Extraction Date	Analysis Date	Analyte	Amount Detected	Method Reporting Limit	Notes
Method: Modified EPA 8141B (GC-FPD)					
8/03/09	8/4/09	Dimethoate	0.035 mg/kg	0.017 mg/kg	
Method: Modified EPA 8321B (HPLC-MS)					
8/03/09	8/4/09	Carbaryl	Not Detected	0.0017 mg/kg	
Method: Monsanto Method (HPLC-FLD)					
8/10/09	8/17/09	AMPA	0.21 mg/kg	0.099 mg/kg	
8/10/09	8/17/09	Glyphosate	0.14 mg/kg	0.099 mg/kg	

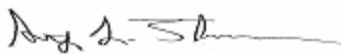
Client Sample ID: 809024

Matrix: soil

PAL Sample ID: P090500-04

Sample Date: 7/21/09

Extraction Date	Analysis Date	Analyte	Amount Detected	Method Reporting Limit	Notes
Method: Modified EPA 8141B (GC-FPD)					
8/03/09	8/4/09	Dimethoate	Not Detected	0.017 mg/kg	
Method: Modified EPA 8321B (HPLC-MS)					
8/03/09	8/4/09	Carbaryl	Not Detected	0.0017 mg/kg	
Method: Monsanto Method (HPLC-FLD)					
8/10/09	8/17/09	AMPA	Not Detected	0.098 mg/kg	
8/10/09	8/17/09	Glyphosate	Not Detected	0.098 mg/kg	



Steve Thun, Laboratory Director

OnSite Environmental, Inc.
14648 NE 95th Street
Redmond, WA 98052

Report Number: P090500
Report Date: August 20, 2009
Client Project ID: 809

Analytical Report

Client Sample ID: 809025

Matrix: soil

PAL Sample ID: P090500-05

Sample Date: 7/21/09

Extraction Date	Analysis Date	Analyte	Amount Detected	Method Reporting Limit	Notes
Method: Modified EPA 8141B (GC-FPD)					
8/03/09	8/4/09	Dimethoate	Not Detected	0.017 mg/kg	
Method: Modified EPA 8321B (HPLC-MS)					
8/03/09	8/4/09	Carbaryl	Not Detected	0.0017 mg/kg	
Method: Monsanto Method (HPLC-FLD)					
8/10/09	8/18/09	AMPA	Not Detected	0.099 mg/kg	
8/10/09	8/18/09	Glyphosate	Not Detected	0.099 mg/kg	

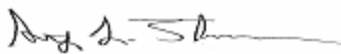
Client Sample ID: 809026

Matrix: soil

PAL Sample ID: P090500-06

Sample Date: 7/21/09

Extraction Date	Analysis Date	Analyte	Amount Detected	Method Reporting Limit	Notes
Method: Modified EPA 8141B (GC-FPD)					
8/03/09	8/4/09	Dimethoate	Not Detected	0.017 mg/kg	
Method: Modified EPA 8321B (HPLC-MS)					
8/03/09	8/4/09	Carbaryl	Not Detected	0.0017 mg/kg	
Method: Monsanto Method (HPLC-FLD)					
8/10/09	8/18/09	AMPA	Not Detected	0.097 mg/kg	
8/10/09	8/18/09	Glyphosate	Not Detected	0.097 mg/kg	



Steve Thun, Laboratory Director

OnSite Environmental, Inc.
14648 NE 95th Street
Redmond, WA 98052

Report Number: P090500
Report Date: August 20, 2009
Client Project ID: 809

Analytical Report

Client Sample ID: 809027

Matrix: soil

PAL Sample ID: P090500-07

Sample Date: 7/21/09

Extraction Date	Analysis Date	Analyte	Amount Detected	Method Reporting Limit	Notes
Method: Modified EPA 8141B (GC-FPD)					
8/03/09	8/4/09	Dimethoate	Not Detected	0.017 mg/kg	
Method: Modified EPA 8321B (HPLC-MS)					
8/03/09	8/4/09	Carbaryl	Not Detected	0.0017 mg/kg	
Method: Monsanto Method (HPLC-FLD)					
8/13/09	8/19/09	AMPA	Not Detected	0.099 mg/kg	
8/13/09	8/19/09	Glyphosate	Not Detected	0.099 mg/kg	

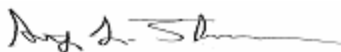
Client Sample ID: 809028

Matrix: soil

PAL Sample ID: P090500-08

Sample Date: 7/21/09

Extraction Date	Analysis Date	Analyte	Amount Detected	Method Reporting Limit	Notes
Method: Modified EPA 8141B (GC-FPD)					
8/03/09	8/4/09	Dimethoate	Not Detected	0.017 mg/kg	
Method: Modified EPA 8321B (HPLC-MS)					
8/03/09	8/4/09	Carbaryl	Not Detected	0.0017 mg/kg	
Method: Monsanto Method (HPLC-FLD)					
8/13/09	8/19/09	AMPA	Not Detected	0.098 mg/kg	
8/13/09	8/19/09	Glyphosate	Not Detected	0.098 mg/kg	



Steve Thun, Laboratory Director

OnSite Environmental, Inc.
14648 NE 95th Street
Redmond, WA 98052

Report Number: P090500
Report Date: August 20, 2009
Client Project ID: 809

Analytical Report

Client Sample ID: 809029

Matrix: soil

PAL Sample ID: P090500-09

Sample Date: 7/21/09

Extraction Date	Analysis Date	Analyte	Amount Detected	Method Reporting Limit	Notes
Method: Modified EPA 8141B (GC-FPD)					
8/03/09	8/4/09	Dimethoate	Not Detected	0.017 mg/kg	
Method: Modified EPA 8321B (HPLC-MS)					
8/03/09	8/4/09	Carbaryl	Not Detected	0.0017 mg/kg	
Method: Monsanto Method (HPLC-FLD)					
8/13/09	8/19/09	AMPA	Not Detected	0.094 mg/kg	
8/13/09	8/19/09	Glyphosate	Not Detected	0.094 mg/kg	

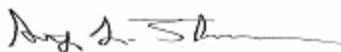
Client Sample ID: 809030

Matrix: soil

PAL Sample ID: P090500-10

Sample Date: 7/21/09

Extraction Date	Analysis Date	Analyte	Amount Detected	Method Reporting Limit	Notes
Method: Modified EPA 8141B (GC-FPD)					
8/03/09	8/4/09	Dimethoate	Not Detected	0.017 mg/kg	
Method: Modified EPA 8321B (HPLC-MS)					
8/03/09	8/4/09	Carbaryl	Not Detected	0.0017 mg/kg	
Method: Monsanto Method (HPLC-FLD)					
8/13/09	8/19/09	AMPA	Not Detected	0.099 mg/kg	
8/13/09	8/19/09	Glyphosate	Not Detected	0.099 mg/kg	



Steve Thun, Laboratory Director

OnSite Environmental, Inc.
14648 NE 95th Street
Redmond, WA 98052

Report Number: P090500
Report Date: August 20, 2009
Client Project ID: 809

Analytical Report

Client Sample ID: 809031

Matrix: soil

PAL Sample ID: P090500-11

Sample Date: 7/21/09

Extraction Date	Analysis Date	Analyte	Amount Detected	Method Reporting Limit	Notes
Method: Modified EPA 8141B (GC-FPD)					
8/03/09	8/5/09	Dimethoate	Not Detected	0.017 mg/kg	
Method: Modified EPA 8321B (HPLC-MS)					
8/03/09	8/4/09	Carbaryl	Not Detected	0.0017 mg/kg	
Method: Monsanto Method (HPLC-FLD)					
8/13/09	8/19/09	AMPA	Not Detected	0.098 mg/kg	
8/13/09	8/19/09	Glyphosate	Not Detected	0.098 mg/kg	

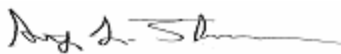
Client Sample ID: 809032

Matrix: soil

PAL Sample ID: P090500-12

Sample Date: 7/21/09

Extraction Date	Analysis Date	Analyte	Amount Detected	Method Reporting Limit	Notes
Method: Modified EPA 8141B (GC-FPD)					
8/03/09	8/5/09	Dimethoate	Not Detected	0.017 mg/kg	
Method: Modified EPA 8321B (HPLC-MS)					
8/03/09	8/4/09	Carbaryl	Not Detected	0.0017 mg/kg	
Method: Monsanto Method (HPLC-FLD)					
8/13/09	8/19/09	AMPA	Not Detected	0.098 mg/kg	
8/13/09	8/19/09	Glyphosate	Not Detected	0.098 mg/kg	



Steve Thun, Laboratory Director

OnSite Environmental, Inc.
14648 NE 95th Street
Redmond, WA 98052

Report Number: P090500
Report Date: August 20, 2009
Client Project ID: 809

Quality Assurance

Method Blank Data Matrix: soil

Extraction Date	Analysis Date	Batch QC Sample #	Analyte	% Recovery	Expected % Recovery	Notes
8/3/09	8/4/09	9080304-BLK1	Carbaryl	Not Detected	< 0.0017 mg/kg	
8/3/09	8/4/09	9080304-BLK1	Dimethoate	Not Detected	< 0.017 mg/kg	

Method Blank Data Matrix: soil

Extraction Date	Analysis Date	Batch QC Sample #	Analyte	% Recovery	Expected % Recovery	Notes
8/10/09	8/17/09	9081003-BLK1	AMPA	Not Detected	< 0.017 mg/kg	
8/10/09	8/17/09	9081003-BLK1	Glyphosate	Not Detected	< 0.017 mg/kg	

Method Blank Data Matrix: soil

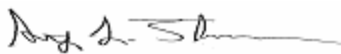
Extraction Date	Analysis Date	Batch QC Sample #	Analyte	% Recovery	Expected % Recovery	Notes
8/13/09	8/19/09	9081302-BLK1	AMPA	Not Detected	< 0.042 mg/kg	
8/13/09	8/19/09	9081302-BLK1	Glyphosate	Not Detected	< 0.084 mg/kg	

Blank Spike Data Matrix: soil

Extraction Date	Analysis Date	Batch QC Sample #	Analyte	% Recovery	Expected % Recovery	Notes
8/10/09	8/17/09	9081003-BS1	AMPA	76	38-128	
8/10/09	8/17/09	9081003-BS1	Glyphosate	86	52-125	

Blank Spike Data Matrix: soil

Extraction Date	Analysis Date	Batch QC Sample #	Analyte	% Recovery	Expected % Recovery	Notes
8/13/09	8/19/09	9081302-BS1	AMPA	76	38-128	
8/13/09	8/19/09	9081302-BS1	Glyphosate	85	52-125	



OnSite Environmental, Inc.
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Redmond, WA 98052

Report Number: P090500
Report Date: August 20, 2009
Client Project ID: 809

Matrix Spike Data **Matrix:** soil

Extraction Date	Analysis Date	Batch QC Sample #	Analyte	% Recovery	Expected % Recovery	Notes
8/3/09	8/4/09	9080304-MS1	Carbaryl	73	20-123	
8/3/09	8/4/09	9080304-MSD1	Carbaryl	70	20-123	
8/3/09	8/4/09	9080304-MS1	Dimethoate	104	40-120	
8/3/09	8/4/09	9080304-MSD1	Dimethoate	94	40-120	

Matrix Spike Data **Matrix:** soil

Extraction Date	Analysis Date	Batch QC Sample #	Analyte	% Recovery	Expected % Recovery	Notes
8/10/09	8/17/09	9081003-MS1	AMPA	66	0-142	
8/10/09	8/17/09	9081003-MS1	Glyphosate	--	0-151	R4

Matrix Spike Data **Matrix:** soil

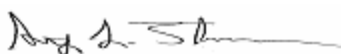
Extraction Date	Analysis Date	Batch QC Sample #	Analyte	% Recovery	Expected % Recovery	Notes
8/13/09	8/19/09	9081302-MS1	AMPA	71	0-142	
8/13/09	8/19/09	9081302-MS1	Glyphosate	76	0-151	

Analyte Information

Method: Monsanto Method (HPLC-FLD)
AMPA is the primary metabolite of Glyphosate.

Project Notes

Notes	Definition
R4	Spike recovery outside of control limits due to high levels of target analyte present in the native sample.



Steve Thun, Laboratory Director



**OnSite
Environmental Inc.**

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

Pacific Agricultural Lab
503 626-7943

Project Manager: David Baumeister

Project Number: 809

Project Name: Double H

CHAIN OF CUSTODY RECORD

(FOR SUBCONTRACT LABORATORY)

Lab Reference Number: **07-165**

090500

Sample Number/Name	Date Sampled	Matrix	# Jars	Analysis Requested	Comments
1 809021	7/21/2009	Soil	1	Dimethoate, Carbaryl, Glyphosate 090500-01	
2 809022	7/21/2009	Soil	1	"	02
3 809023	7/21/2009	Soil	1	"	03
4 809024	7/21/2009	Soil	1	"	04
5 809025	7/21/2009	Soil	1	"	05
6 809026	7/21/2009	Soil	1	"	06
7 809027	7/21/2009	Soil	1	"	07
8 809028	7/21/2009	Soil	1	"	08
9 809029	7/21/2009	Soil	1	"	09
10 809030	7/21/2009	Soil	1	"	10
11 809031	7/21/2009	Soil	1	"	11
12 809032	7/21/2009	Soil	1	"	12
Submitted by: <i>[Signature]</i>		date: 7/23/09		Received by: <i>David Baumeister</i>	
Firm: <i>OnSite Inc.</i>		time: 1350		Firm: <i>PAZ</i>	
Submitted:		date:		Received by:	
Firm:		time:		Firm:	



M Onsite
Environmental Inc.

Phone: (425) 883-3861 • Fax: (425) 885-4503

Chain of Custody

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

(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:

07-165

Requested Analysis

Field ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Conc.	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	EPA 8021B/8260B	EPA 8270 D/8141B	EPA 8321B	Monsanto Method	Arsenic	% Moisture
1	809021	7/21/09	1105	S	3	X													X	X	X	X	X	X
2	809022	7/21/09	1115	S	3	X													X	X	X	X	X	X
3	809023	7/21/09	1125	S	3	X													X	X	X	X	X	X
4	809024	7/21/09	1132	S	3	X													X	X	X	X	X	X
5	809025	7/21/09	1145	S	3	X													X	X	X	X	X	X
6	809026	7/21/09	1150	S	3	X													X	X	X	X	X	X
7	809027	7/21/09	1200	S	3	X													X	X	X	X	X	X
8	809028	7/21/09	1205	S	3	X													X	X	X	X	X	X
9	809029	7/21/09	1215	S	3	X													X	X	X	X	X	X
10	809030	7/21/09	1220	S	3	X													X	X	X	X	X	X

Relinquished by: [Signature] CESI
Received by: [Signature] CESI
Relinquished by: [Signature] CESI
Received by: [Signature] CESI
Relinquished by: [Signature] CESI
Received by: [Signature] CESI
Reviewed by/Date: [Signature] CESI

Please send a copy of results via email to: Elizabeth Simpson - cesi@pocketnet.com
*Hold soil samples for possible analysis

Chain of Custody

[illegible]