



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. 0907-155

Dear Ron:

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

David Baumeister
Project Manager

Enclosures

Date of Report: August 21, 2009
Samples Submitted: July 22, 2009
Laboratory Reference: 0907-155
Project: 809

Case Narrative

Samples were collected on July 21, 2009, and received by the laboratory on July 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.

BTEX by 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 22, 2009
 Laboratory Reference: 0907-155
 Project: 809

NWTPH-Dx

Date Extracted: 7-23-09
 Date Analyzed: 7-23-09

Matrix: Soil
 Units: mg/kg (ppm)

Client ID:	809011	809012	809013
Lab ID:	07-155-01	07-155-02	07-155-03
Diesel Range:	ND	ND	ND
PQL:	32	33	31
Identification:	---	---	---
Lube Oil Range:	ND	ND	ND
PQL:	64	66	61
Identification:	---	---	---
Surrogate Recovery			
o-Terphenyl:	70%	80%	77%
Flags:	Y	Y	Y

Date of Report: August 21, 2009
 Samples Submitted: July 22, 2009
 Laboratory Reference: 0907-155
 Project: 809

NWTPH-Dx

Date Extracted: 7-23-09
 Date Analyzed: 7-23-09

Matrix: Soil
 Units: mg/kg (ppm)

Client ID:	809014	809015	809016
Lab ID:	07-155-04	07-155-05	07-155-06
Diesel Range:	ND	ND	ND
PQL:	33	33	34
Identification:	---	---	---
Lube Oil Range:	ND	ND	ND
PQL:	66	67	68
Identification:	---	---	---
Surrogate Recovery			
o-Terphenyl:	83%	79%	99%
Flags:	Y	Y	Y

Date of Report: August 21, 2009
 Samples Submitted: July 22, 2009
 Laboratory Reference: 0907-155
 Project: 809

NWTPH-Dx

Date Extracted: 7-23-09
 Date Analyzed: 7-23-09

Matrix: Soil
 Units: mg/kg (ppm)

Client ID:	809017	809018	809019
Lab ID:	07-155-07	07-155-08	07-155-09
Diesel Range:	ND	ND	ND
PQL:	33	34	33
Identification:	---	---	---
Lube Oil Range:	ND	ND	ND
PQL:	67	68	65
Identification:	---	---	---
Surrogate Recovery			
o-Terphenyl:	100%	111%	95%
Flags:	Y	Y	Y

Date of Report: August 21, 2009
Samples Submitted: July 22, 2009
Laboratory Reference: 0907-155
Project: 809

NWTPH-Dx

Date Extracted: 7-23-09
Date Analyzed: 7-23-09

Matrix: Soil
Units: mg/kg (ppm)

Client ID: 809020
Lab ID: 07-155-10

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

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

Surrogate Recovery
o-Terphenyl: 97%

Flags: Y

Date of Report: August 21, 2009
Samples Submitted: July 22, 2009
Laboratory Reference: 0907-155
Project: 809

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted: 7-23-09
Date Analyzed: 7-23-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0723S1

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

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

Surrogate Recovery
o-Terphenyl: 101%

Flags: Y

Date of Report: August 21, 2009
Samples Submitted: July 22, 2009
Laboratory Reference: 0907-155
Project: 809

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted: 7-23-09
Date Analyzed: 7-23-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 07-155-01 07-155-01 DUP

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

RPD: N/A

Surrogate Recovery
o-Terphenyl: 70% 71%

Flags: Y Y

Date of Report: August 21, 2009
 Samples Submitted: July 22, 2009
 Lab Traveler: 0907-155
 Project: 809

**BTEX
 EPA 8021B**

Date Extracted: 7-23-09
 Date Analyzed: 7-23-09

Matrix: Soil
 Units: mg/kg (ppm)

Client ID:	809011	809012
Lab ID:	07-155-01	07-155-02

	Result	Flags	PQL	Result	Flags	PQL
Benzene	ND		0.020	ND		0.020
Toluene	ND		0.087	ND		0.082
Ethyl Benzene	ND		0.087	ND		0.082
m,p-Xylene	ND		0.087	ND		0.082
o-Xylene	ND		0.087	ND		0.082
Surrogate Recovery:						
Fluorobenzene	89%			87%		

Date of Report: August 21, 2009
 Samples Submitted: July 22, 2009
 Lab Traveler: 0907-155
 Project: 809

**BTEX
 EPA 8021B**

Date Extracted: 7-23-09
 Date Analyzed: 7-23&24-09

Matrix: Soil
 Units: mg/kg (ppm)

Client ID:	809013	809014
Lab ID:	07-155-03	07-155-04

	Result	Flags	PQL	Result	Flags	PQL
Benzene	ND		0.020	ND		0.020
Toluene	ND		0.089	ND		0.10
Ethyl Benzene	ND		0.089	ND		0.10
m,p-Xylene	ND		0.089	ND		0.10
o-Xylene	ND		0.089	ND		0.10
Surrogate Recovery:						
Fluorobenzene	85%			84%		

Date of Report: August 21, 2009
 Samples Submitted: July 22, 2009
 Lab Traveler: 0907-155
 Project: 809

**BTEX
 EPA 8021B**

Date Extracted: 7-23-09
 Date Analyzed: 7-24-09

Matrix: Soil
 Units: mg/kg (ppm)

Client ID:	809015	809016
Lab ID:	07-155-05	07-155-06

	Result	Flags	PQL	Result	Flags	PQL
Benzene	ND		0.020	ND		0.020
Toluene	ND		0.082	ND		0.075
Ethyl Benzene	ND		0.082	ND		0.075
m,p-Xylene	ND		0.082	ND		0.075
o-Xylene	ND		0.082	ND		0.075
Surrogate Recovery:						
Fluorobenzene	87%			84%		

Date of Report: August 21, 2009
 Samples Submitted: July 22, 2009
 Lab Traveler: 0907-155
 Project: 809

**BTEX
 EPA 8021B**

Date Extracted: 7-23-09
 Date Analyzed: 7-24-09

Matrix: Soil
 Units: mg/kg (ppm)

Client ID:	809017	809018
Lab ID:	07-155-07	07-155-08

	Result	Flags	PQL	Result	Flags	PQL
Benzene	ND		0.020	ND		0.020
Toluene	ND		0.096	ND		0.083
Ethyl Benzene	ND		0.096	ND		0.083
m,p-Xylene	ND		0.096	ND		0.083
o-Xylene	ND		0.096	ND		0.083
Surrogate Recovery:						
Fluorobenzene	86%			86%		

Date of Report: August 21, 2009
 Samples Submitted: July 22, 2009
 Lab Traveler: 0907-155
 Project: 809

**BTEX
 EPA 8021B**

Date Extracted: 7-23-09
 Date Analyzed: 7-24-09

Matrix: Soil
 Units: mg/kg (ppm)

Client ID:	809019	809020
Lab ID:	07-155-09	07-155-10

	Result	Flags	PQL	Result	Flags	PQL
Benzene	ND		0.020	ND		0.020
Toluene	ND		0.078	ND		0.072
Ethyl Benzene	ND		0.078	ND		0.072
m,p-Xylene	ND		0.078	ND		0.072
o-Xylene	ND		0.078	ND		0.072
Surrogate Recovery:						
Fluorobenzene	88%			82%		

Date of Report: August 21, 2009
Samples Submitted: July 22, 2009
Lab Traveler: 0907-155
Project: 809

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

Date Extracted: 7-23-09
Date Analyzed: 7-23-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0723S2

	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	80%		

Date of Report: August 21, 2009
 Samples Submitted: July 22, 2009
 Lab Traveler: 0907-155
 Project: 809

**BTEX
 EPA 8021B
 DUPLICATE QUALITY CONTROL**

Date Extracted: 7-23-09
 Date Analyzed: 7-23&27-09

Matrix: Soil
 Units: mg/kg (ppm)

Lab ID:	07-155-01 Original	07-155-01 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	89%	82%		

Date of Report: August 21, 2009
 Samples Submitted: July 22, 2009
 Lab Traveler: 0907-155
 Project: 809

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

Date Extracted: 7-23-09

Date Analyzed: 7-23-09

Matrix: Soil

Units: mg/kg (ppm)

Spike Level (ppm): 3.33

Lab ID:	07-152-01 MS	Percent Recovery	07-152-01 MSD	Percent Recovery	RPD	Flags
Benzene	3.27	98	2.95	89	10	
Toluene	3.27	98	2.94	88	11	
Ethyl Benzene	3.33	100	3.00	90	11	
m,p-Xylene	3.32	100	2.99	90	11	
o-Xylene	3.31	99	2.96	89	11	

Surrogate Recovery:

Fluorobenzene	95%	92%
---------------	-----	-----

Date of Report: August 21, 2009
Samples Submitted: July 22, 2009
Laboratory Reference: 0907-155
Project: 809

**TOTAL ARSENIC
EPA 6010B**

Date Extracted: 7-23-09
Date Analyzed: 7-24-09

Matrix: Soil
Units: mg/kg (ppm)

Client ID	Lab ID	Result	PQL
809011	07-155-01	ND	13
809012	07-155-02	ND	13
809013	07-155-03	ND	12
809014	07-155-04	ND	13
809015	07-155-05	ND	13
809016	07-155-06	ND	14
809017	07-155-07	ND	13
809018	07-155-08	ND	14
809019	07-155-09	ND	13
809020	07-155-10	ND	13

Date of Report: August 21, 2009
Samples Submitted: July 22, 2009
Laboratory Reference: 0907-155
Project: 809

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

Date Extracted: 7-23-09
Date Analyzed: 7-24-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0723S1

Analyte	Method	Result	PQL
Arsenic	6010B	ND	10

Date of Report: August 21, 2009
Samples Submitted: July 22, 2009
Laboratory Reference: 0907-155
Project: 809

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

Date Extracted: 7-23-09

Date Analyzed: 7-24-09

Matrix: Soil

Units: mg/kg (ppm)

Lab ID: 07-152-01

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

Date of Report: August 21, 2009
Samples Submitted: July 22, 2009
Laboratory Reference: 0907-155
Project: 809

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

Date Extracted: 7-23-09

Date Analyzed: 7-24-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 07-152-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	90.8	91	87.2	87	4	

Date of Report: August 21, 2009
Samples Submitted: July 22, 2009
Lab Traveler: 0907-155
Project: 809

% MOISTURE

Date Analyzed: 7-23-09

Client ID	Lab ID	% Moisture
809011	07-155-01	22
809012	07-155-02	24
809013	07-155-03	18
809014	07-155-04	24
809015	07-155-05	25
809016	07-155-06	27
809017	07-155-07	25
809018	07-155-08	26
809019	07-155-09	23
809020	07-155-10	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-napthalene) 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.**

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

Chain of Custody

Page 1 of 1

Turnaround Request (in working days)				Laboratory Number: 07-155																					
(Check One)				Requested Analysis																					
<input type="checkbox"/> Same Day <input type="checkbox"/> 1 Day																									
<input type="checkbox"/> 2 Day <input type="checkbox"/> 3 Day																									
<input checked="" type="checkbox"/> Standard (7 working days) (TPH analysis 5 working days)																									
<input type="checkbox"/> (other)																									
Company:	Riverside Associates																								
Project Number:	809																								
Project Name:	Double H																								
Project Manager:	Ron Hicks																								
Sampled by:	CESI																								
Lab ID	Sample Identification	Date Sampled	Time Sampled	Water	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	BTEX	EPA 8021B / 8260B	EPA 8270D / 8141B	EPA 8321B	Monsanto Method	Arsenic	% Moisture
1	809011	7/21/09						X												X	X	X	X	X	X
2	809012	7/21/09						X												X	X	X	X	X	X
3	809013	7/21/09						X												X	X	X	X	X	X
4	809014	7/21/09						X												X	X	X	X	X	X
5	809015	7/21/09						X												X	X	X	X	X	X
6	809016	7/21/09						X												X	X	X	X	X	X
7	809017	7/21/09						X												X	X	X	X	X	X
8	809018	7/21/09						X												X	X	X	X	X	X
9	809019	7/21/09						X												X	X	X	X	X	X
10	809020	7/21/09						X												X	X	X	X	X	X
Relinquished by				Signature	Company	Date	Time	Comments/Special Instructions																	
Received by					CESI	7/21/09	1600	Please send a copy of results to Elizabeth Spring via email: cesi.eas@pocketnet.com																	
Relinquished by					Double H	7/22/09	930	6503 W. Okanogan Ave. S.C																	
Received by								Kennebec at 99336																	
Relinquished by																									
Received by																									
Relinquished by																									
Reviewed by/Date								Chromatograms with final report <input type="checkbox"/>																	

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

Report Number: P090492
Report Date: August 21, 2009
Client Project ID: 809

Analytical Report

Client Sample ID: 809011

Matrix: soil

PAL Sample ID: P090492-10

Sample Date: 7/21/09

Extraction Date	Analysis Date	Analyte	Amount Detected	Method Reporting Limit	Notes
Method: Modified EPA 8141B (GC-FPD)					
7/30/09	8/1/09	Dimethoate	Not Detected	0.017 mg/kg	
Surrogate Recovery: 88 %					
Surrogate Recovery Range: 51-147					
(TPP used as Surrogate)					
Method: Modified EPA 8321B (HPLC-MS)					
7/30/09	8/3/09	Carbaryl	Not Detected	0.0017 mg/kg	
Method: Monsanto Method (HPLC-FLD)					
8/03/09	8/14/09	AMPA	Not Detected	0.099 mg/kg	
8/03/09	8/14/09	Glyphosate	Not Detected	0.099 mg/kg	

Client Sample ID: 809012

Matrix: soil

PAL Sample ID: P090492-11

Sample Date: 7/21/09

Extraction Date	Analysis Date	Analyte	Amount Detected	Method Reporting Limit	Notes
Method: Modified EPA 8141B (GC-FPD)					
7/30/09	8/1/09	Dimethoate	Not Detected	0.017 mg/kg	
Surrogate Recovery: 92 %					
Surrogate Recovery Range: 51-147					
(TPP used as Surrogate)					
Method: Modified EPA 8321B (HPLC-MS)					
7/30/09	8/3/09	Carbaryl	Not Detected	0.0017 mg/kg	
Method: Monsanto Method (HPLC-FLD)					
8/03/09	8/14/09	AMPA	Not Detected	0.099 mg/kg	
8/03/09	8/14/09	Glyphosate	Not Detected	0.099 mg/kg	



Rick Jordan For Steve Thun, Laboratory Director

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

Report Number: P090492
Report Date: August 21, 2009
Client Project ID: 809

Analytical Report

Client Sample ID: 809013

Matrix: soil

PAL Sample ID: P090492-12

Sample Date: 7/21/09

Extraction Date	Analysis Date	Analyte	Amount Detected	Method Reporting Limit	Notes
Method: Modified EPA 8141B (GC-FPD)					
7/30/09	8/1/09	Dimethoate	Not Detected	0.017 mg/kg	
Surrogate Recovery: 92 %					
Surrogate Recovery Range: 51-147					
(TPP used as Surrogate)					
Method: Modified EPA 8321B (HPLC-MS)					
7/30/09	8/3/09	Carbaryl	Not Detected	0.0017 mg/kg	
Method: Monsanto Method (HPLC-FLD)					
8/03/09	8/14/09	AMPA	Not Detected	0.099 mg/kg	
8/03/09	8/14/09	Glyphosate	Not Detected	0.099 mg/kg	

Client Sample ID: 809014

Matrix: soil

PAL Sample ID: P090492-13

Sample Date: 7/21/09

Extraction Date	Analysis Date	Analyte	Amount Detected	Method Reporting Limit	Notes
Method: Modified EPA 8141B (GC-FPD)					
7/30/09	8/1/09	Dimethoate	0.034 mg/kg	0.017 mg/kg	
Surrogate Recovery: 113 %					
Surrogate Recovery Range: 51-147					
(TPP used as Surrogate)					
Method: Modified EPA 8321B (HPLC-MS)					
7/30/09	8/3/09	Carbaryl	Not Detected	0.0017 mg/kg	
Method: Monsanto Method (HPLC-FLD)					
8/03/09	8/14/09	AMPA	Not Detected	0.099 mg/kg	
8/03/09	8/14/09	Glyphosate	0.32 mg/kg	0.099 mg/kg	



Rick Jordan For Steve Thun, Laboratory Director

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

Report Number: P090492
Report Date: August 21, 2009
Client Project ID: 809

Analytical Report

Client Sample ID: 809015

Matrix: soil

PAL Sample ID: P090492-14

Sample Date: 7/21/09

Extraction Date	Analysis Date	Analyte	Amount Detected	Method Reporting Limit	Notes
Method: Modified EPA 8141B (GC-FPD)					
7/30/09	8/1/09	Dimethoate	Not Detected	0.017 mg/kg	
Surrogate Recovery: 96 %					
Surrogate Recovery Range: 51-147					
(TPP used as Surrogate)					
Method: Modified EPA 8321B (HPLC-MS)					
7/30/09	8/3/09	Carbaryl	Not Detected	0.0017 mg/kg	
Method: Monsanto Method (HPLC-FLD)					
8/03/09	8/14/09	AMPA	Not Detected	0.099 mg/kg	
8/03/09	8/14/09	Glyphosate	Not Detected	0.099 mg/kg	

Client Sample ID: 809016

Matrix: soil

PAL Sample ID: P090492-15

Sample Date: 7/21/09

Extraction Date	Analysis Date	Analyte	Amount Detected	Method Reporting Limit	Notes
Method: Modified EPA 8141B (GC-FPD)					
7/30/09	8/1/09	Dimethoate	Not Detected	0.017 mg/kg	
Surrogate Recovery: 90 %					
Surrogate Recovery Range: 51-147					
(TPP used as Surrogate)					
Method: Modified EPA 8321B (HPLC-MS)					
7/30/09	8/3/09	Carbaryl	Not Detected	0.0017 mg/kg	
Method: Monsanto Method (HPLC-FLD)					
8/03/09	8/14/09	AMPA	Not Detected	0.099 mg/kg	
8/03/09	8/14/09	Glyphosate	Not Detected	0.099 mg/kg	



Rick Jordan For Steve Thun, Laboratory Director

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

Report Number: P090492
Report Date: August 21, 2009
Client Project ID: 809

Analytical Report

Client Sample ID: 809017

Matrix: soil

PAL Sample ID: P090492-16

Sample Date: 7/21/09

Extraction Date	Analysis Date	Analyte	Amount Detected	Method Reporting Limit	Notes
Method: Modified EPA 8141B (GC-FPD)					
7/30/09	8/1/09	Dimethoate	Not Detected	0.017 mg/kg	
Surrogate Recovery: 89 %					
Surrogate Recovery Range: 51-147					
(TPP used as Surrogate)					
Method: Modified EPA 8321B (HPLC-MS)					
7/30/09	8/3/09	Carbaryl	Not Detected	0.0017 mg/kg	
Method: Monsanto Method (HPLC-FLD)					
8/03/09	8/14/09	AMPA	Not Detected	0.094 mg/kg	
8/03/09	8/14/09	Glyphosate	Not Detected	0.094 mg/kg	

Client Sample ID: 809018

Matrix: soil

PAL Sample ID: P090492-17

Sample Date: 7/21/09

Extraction Date	Analysis Date	Analyte	Amount Detected	Method Reporting Limit	Notes
Method: Modified EPA 8141B (GC-FPD)					
7/30/09	8/1/09	Dimethoate	Not Detected	0.017 mg/kg	
Surrogate Recovery: 90 %					
Surrogate Recovery Range: 51-147					
(TPP used as Surrogate)					
Method: Modified EPA 8321B (HPLC-MS)					
7/30/09	8/3/09	Carbaryl	Not Detected	0.0017 mg/kg	
Method: Monsanto Method (HPLC-FLD)					
8/03/09	8/14/09	AMPA	Not Detected	0.099 mg/kg	
8/03/09	8/14/09	Glyphosate	Not Detected	0.099 mg/kg	



Rick Jordan For Steve Thun, Laboratory Director

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

Report Number: P090492
Report Date: August 21, 2009
Client Project ID: 809

Analytical Report

Client Sample ID: 809019

Matrix: soil

PAL Sample ID: P090492-18

Sample Date: 7/21/09

Extraction Date	Analysis Date	Analyte	Amount Detected	Method Reporting Limit	Notes
Method: Modified EPA 8141B (GC-FPD)					
7/30/09	8/1/09	Dimethoate	Not Detected	0.017 mg/kg	
Surrogate Recovery: 94 %					
Surrogate Recovery Range: 51-147					
(TPP used as Surrogate)					
Method: Modified EPA 8321B (HPLC-MS)					
7/30/09	8/3/09	Carbaryl	Not Detected	0.0017 mg/kg	
Method: Monsanto Method (HPLC-FLD)					
8/03/09	8/14/09	AMPA	Not Detected	0.099 mg/kg	
8/03/09	8/14/09	Glyphosate	Not Detected	0.099 mg/kg	

Client Sample ID: 809020

Matrix: soil

PAL Sample ID: P090492-19

Sample Date: 7/21/09

Extraction Date	Analysis Date	Analyte	Amount Detected	Method Reporting Limit	Notes
Method: Modified EPA 8141B (GC-FPD)					
7/30/09	8/1/09	Dimethoate	Not Detected	0.017 mg/kg	
Surrogate Recovery: 85 %					
Surrogate Recovery Range: 51-147					
(TPP used as Surrogate)					
Method: Modified EPA 8321B (HPLC-MS)					
7/30/09	8/3/09	Carbaryl	Not Detected	0.0017 mg/kg	
Method: Monsanto Method (HPLC-FLD)					
8/03/09	8/14/09	AMPA	Not Detected	0.097 mg/kg	
8/03/09	8/14/09	Glyphosate	Not Detected	0.097 mg/kg	



Rick Jordan For Steve Thun, Laboratory Director

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

Report Number: P090492
Report Date: August 21, 2009
Client Project ID: 809

Quality Assurance

Method Blank Data Matrix: soil

Extraction Date	Analysis Date	Batch QC Sample #	Analyte	% Recovery	Expected % Recovery	Notes
7/30/09	8/3/09	9073004-BLK1	Carbaryl	Not Detected	< 0.0017 mg/kg	
7/30/09	7/31/09	9073004-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
7/31/09	8/13/09	9073102-BLK1	AMPA	Not Detected	< 0.017 mg/kg	
7/31/09	8/13/09	9073102-BLK1	Glyphosate	Not Detected	< 0.017 mg/kg	

Blank Spike Data Matrix: soil

Extraction Date	Analysis Date	Batch QC Sample #	Analyte	% Recovery	Expected % Recovery	Notes
7/31/09	8/13/09	9073102-BS1	AMPA	80	38-128	
7/31/09	8/13/09	9073102-BS1	Glyphosate	90	52-125	

Matrix Spike Data Matrix: soil

Extraction Date	Analysis Date	Batch QC Sample #	Analyte	% Recovery	Expected % Recovery	Notes
7/30/09	8/3/09	9073004-MS1	Carbaryl	85	20-123	
7/30/09	8/3/09	9073004-MSD1	Carbaryl	98	20-123	
7/30/09	7/31/09	9073004-MS1	Dimethoate	101	40-120	
7/30/09	7/31/09	9073004-MSD1	Dimethoate	103	40-120	

Matrix Spike Data Matrix: soil

Extraction Date	Analysis Date	Batch QC Sample #	Analyte	% Recovery	Expected % Recovery	Notes
7/31/09	8/13/09	9073102-MS1	AMPA	89	0-142	
7/31/09	8/13/09	9073102-MS1	Glyphosate	105	0-151	



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

Report Number: P090492
Report Date: August 21, 2009
Client Project ID: 809

Analyte Information

Method: EPA 547 (HPLC-FLD)

AMPA is the primary metabolite of Glyphosate. Glyphosate is quantitated as the free acid.

Method: Monsanto Method (HPLC-FLD)

AMPA is the primary metabolite of Glyphosate.



Rick Jordan For Steve Thun, Laboratory Director

090492



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

Pacific Agricultural Lab
503 626-7943

CHAIN OF CUSTODY RECORD


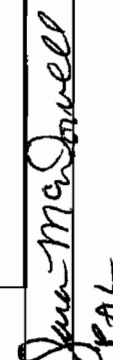
(FOR SUBCONTRACT LABORATORY) **07-155**

Lab Reference Number:

Project Manager: David Baumeister

Project Number: 809

Project Name: Double H

dash	Sample Number/Name	Date Sampled	Matrix	# Jars	Analysis Requested	Comments
1	809011	7/21/2009	Soil	1	Dimethoate, Carbaryl, Glyphosate	090492-10
2	809012	7/21/2009	Soil	1	"	11
3	809013	7/21/2009	Soil	1	"	12
4	809014	7/21/2009	Soil	1	"	13
5	809015	7/21/2009	Soil	1	"	14
6	809016	7/21/2009	Soil	1	"	15
7	809017	7/21/2009	Soil	1	"	16
8	809018	7/21/2009	Soil	1	"	17
9	809019	7/21/2009	Soil	1	"	18
10	809020	7/21/2009	Soil	1	"	19
<div style="display: flex; justify-content: space-between;"> <div> <p>Submitted: </p> <p>Firm: OnSite Env</p> </div> <div> <p>Received by: </p> <p>Firm: JRAL</p> </div> <div> <p>date: 7/22/09</p> <p>time: 1430</p> </div> </div>						
Submitted:						date: 7/23/09
Firm:						time: 1120
Submitted:						date:
Firm:						time: