



Galen Williams
EarthFax Engineering
7324 So. Union Park Ave., # 100
Midvale, UT 84047
TEL: (801) 561-1555

RE: MP 44.9

Dear Galen Williams:

Lab Set ID: 1303479

463 West 3600 South
Salt Lake City, UT 84115

American West Analytical Laboratories received 1 sample(s) on 3/21/2013 for the analyses presented in the following report.

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com
web: www.awal-labs.com

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: _____
Laboratory Director or designee

Partial Report



ORGANIC ANALYTICAL REPORT

Client: EarthFax Engineering **Contact:** Galen Williams
Project: MP 44.9
Lab Sample ID: 1303479-001C
Client Sample ID: Source Soil
Collection Date: 3/20/2013
Received Date: 3/21/2013 0709h

Analytical Results

TPH-DRO (C10-C28) by Method 8015D Mod/3546

Analyzed: 3/21/2013 1816h **Extracted:** 3/21/2013 1204h
Units: mg/kg **Dilution Factor:** 1 **Method:** SW8015D

463 West 3600 South
Salt Lake City, UT 84115

Compound	CAS Number	Reporting Limit	Analytical Result	Qual		
Diesel Range Organics (DRO) (C10-C28)	68476-34-6	19.9	29.8			
Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 4-Bromofluorobenzene	460-00-4	20.1	33.09	60.8	10-122	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Partial Report

WORK ORDER Summary

Work Order: **1303479** Page 1 of 1

Client: EarthFax Engineering

Due Date: 3/22/2013

Client ID: EAR100

Contact: Galen Williams

Project: MP 44.9

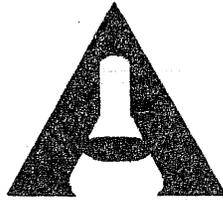
QC Level: II+

WO Type: Standard

Comments: Next Day Rush. QC 2+. Include TICs on SVOC only. Send partial reports as results become available, bill accordingly. Sample for Water Content sent to Timpview, Samples for SRB and APB were sent to EMSL in Houston.;

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1303479-001A	Source Soil	3/20/2013	3/21/2013 0709h	8260-S	Soil	<input checked="" type="checkbox"/>	VOC/PMOIST	2
				<i>Test Group: 8260-S-Full; # of Analytes: 116 / # of Surr: 4</i>				
				PMOIST		<input type="checkbox"/>	VOC/PMOIST	
1303479-001B				3546-SVOA-PR		<input type="checkbox"/>	Hall-Semi	1
				8270-S-3546		<input checked="" type="checkbox"/>	Hall-Semi	
				<i>Test Group: 8270-S-Custom-3546; # of Analytes: 140 / # of Surr: 6</i>				
				8270-S-SIM-3546		<input checked="" type="checkbox"/>	Hall-Semi	
				<i>Test Group: 8270-S-PNA-SIM-3546; # of Analytes: 19 / # of Surr:</i>				
1303479-001C				3546-TPH-PR		<input type="checkbox"/>	Hall-TPH	
				8015-S-TPH-3546		<input checked="" type="checkbox"/>	Hall-TPH	
				<i>Test Group: 8015-S-TPH-3546; # of Analytes: 1 / # of Surr: 1</i>				
1303479-001D				3546-ORO-PR		<input type="checkbox"/>	Hall-oro	
				8015-S-ORO-3546		<input checked="" type="checkbox"/>	Hall-oro	
				<i>Test Group: 8015-S-ORO-3546; # of Analytes: 1 / # of Surr: 1</i>				
1303479-001E				ALK-S-2320B		<input checked="" type="checkbox"/>	df / wc	
				<i>1 SEL Analytes: ALK</i>				
				CL-S-9251		<input type="checkbox"/>	df / wc	
				PH-9045D		<input type="checkbox"/>	df / wc	
				SO4-S-4500SO4		<input type="checkbox"/>	df / wc	
				SOIL-PR		<input type="checkbox"/>	df / wc	
1303479-001F				OUTSIDE LAB		<input type="checkbox"/>	timpview	
1303479-001G				OUTSIDE LAB		<input type="checkbox"/>	EMSL - Houston	2
1303479-001H						<input type="checkbox"/>	hold	3

Client EarthFax Engineering
 Address 7324 South Union Park Ave
Midvale UT 84047
 City State Zip
 Phone 801-561-1555 Fax _____



AMERICAN WEST ANALYTICAL LABORATORIES
 463 West 3600 South Salt Lake City, Utah 84115
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CHAIN OF CUSTODY

1303479

Lab Sample Set # 1303479
 Page _____ of _____ -RW 3/21/13

Turn Around Time (Circle One)
 1 day 2 day 3 day 4 day 5 day Standard

Contact Galen Williams
 E-mail galenwilliams@earthfax.com
 Project Name FPL MP 34 MP 44.9
 Project Number/P.O.# 4468 per Galen
 Sampler Name Tim Jimenez / Troy Smith

Sample ID 1303479

Source Soil
~~OUTSIDE NORTH BOOM
 BETWEEN NORTH WEIRS
 MIDDLE NORTH CHANNEL
 TB-2
 FB-2~~

Date/Time Collected	Matrix	Number of Containers (Total)	TESTS REQUIRED										QC LEVEL				COMMENTS	
			8260-VUC	8270 + SIM	8215-TPH-CHO	SO ₄ Ch	TPH-OVO	see attached	list	1	2	2+	3	3+	4			
<u>3/20/13 21:00</u>	<u>S</u>	<u>12</u>	<u>X</u>	<u>X</u>	<u>X</u>				<u>X</u>	<u>X</u>								<u>Hold extra</u>
<u>3/20/13 22:00</u>	<u>w</u>	<u>9</u>	<u>X</u>	<u>X</u>	<u>X</u>					<u>X</u>								
<u>3/21/13 02:30</u>	<u>w</u>	<u>9</u>	<u>X</u>	<u>X</u>	<u>X</u>					<u>X</u>								
<u>04:30</u>	<u>w</u>	<u>9</u>	<u>X</u>	<u>X</u>	<u>X</u>					<u>X</u>								
<u>04:00</u>	<u>w</u>	<u>3</u>	<u>X</u>															
<u>04:30</u>	<u>w</u>	<u>3</u>	<u>X</u>															

-RW 3/21/13

LABORATORY USE ONLY

SAMPLES WERE:

1 Shipped or hand delivered
 Notes: _____

2 Ambient or Chilled
 Notes: _____

3 Temperature 5.0

4 Received Broken/Leaking (Improperly Sealed)
 Y N
 Notes: _____

5 Properly Preserved
 Y N
 Checked at Bench Y N
 Notes: _____

6 Received Within Holding Times
 Y N
 Notes: _____

Relinquished By: Signature <u>[Signature]</u>	Date <u>3/21/12</u>	Received By: Signature <u>[Signature]</u>	Date <u>3-21</u>
PRINT NAME <u>Tim Jimenez</u>	Time <u>07109</u>	PRINT NAME <u>Lynn [Signature]</u>	Time <u>7:09</u>
Relinquished By: Signature	Date	Received By: Signature	Date
PRINT NAME	Time	PRINT NAME	Time
Relinquished By: Signature	Date	Received By: Signature	Date
PRINT NAME	Time	PRINT NAME	Time
Relinquished By: Signature	Date	Received By: Signature	Date
PRINT NAME	Time	PRINT NAME	Time

Special Instructions:

COC Tape Was:

1 Present on Outer Package
 Y N

2 Unbroken on Outer Package
 Y N

3 Present on Sample
 Y N

4 Unbroken on Sample
 Y N

Discrepancies Between Sample Labels and COC Record?
 Y N
 Notes: _____

Elona Hayward

From: Galen Williams [gwilliams@earthfax.com]
Sent: Thursday, March 21, 2013 9:15 AM
To: Elona Hayward
Subject: FW: Additional Testing

Elona,

See below. Please run these additional analytes on the sample Tim delivered today called "Source Soil." Report as separate report.

Thanks,
Galen

From: Sakai, Todd (tsak) [mailto:TSakai@chevron.com]
Sent: Wednesday, March 20, 2013 9:23 AM
To: Galen Williams
Subject: Additional Testing

Galen, per our discussion, can you please run the following additional tests on the soil samples at the release site (don't need to run tests on more than 3 samples at the release site...I'm sure you're taking multiple samples):

- Water content
- Sulfate ion (SO₄²⁻)
- Chloride ion (Cl⁻)
- Alkalinity
- pH
- Sulfate reducing bacteria (SRB) → Test kits available
- Acid Producing Bacteria → Test kits available

Thanks, Todd
281-772-6661