



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: 1303395

463 West 3600 South
Salt Lake City, UT 84115

American West Analytical Laboratories received 4 sample(s) on 3/19/2013 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
Project: MP 44.9
Lab Sample ID: 1303395-001B
Client Sample ID: Pelican Bay
Collection Date: 3/19/2013 015h
Received Date: 3/19/2013 1125h

Contact: Galen Williams

Analytical Results

TPH-ORO (C28-C36) by GC/FID Method 8015D/3510C

Analyzed: 3/21/2013 2358h **Extracted:** 3/20/2013 1914h
Units: mg/L **Dilution Factor:** 1 **Method:** SW8015D

463 West 3600 South
Salt Lake City, UT 84115

Compound	CAS Number	Reporting Limit	Analytical Result	Qual		
Oil Range Organics (ORO) (C28-C36)		0.952	< 0.952			
Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: C27		0.351	0.3810	92.2	10-200	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Partial Report



ORGANIC ANALYTICAL REPORT

Client: EarthFax Engineering
Project: MP 44.9
Lab Sample ID: 1303395-002B
Client Sample ID: Outside of Boom
Collection Date: 3/19/2013 145h
Received Date: 3/19/2013 1125h

Contact: Galen Williams

Analytical Results

TPH-ORO (C28-C36) by GC/FID Method 8015D/3510C

Analyzed: 3/22/2013 022h **Extracted:** 3/20/2013 1914h
Units: mg/L **Dilution Factor:** 1 **Method:** SW8015D

463 West 3600 South
Salt Lake City, UT 84115

Compound	CAS Number	Reporting Limit	Analytical Result	Qual		
Oil Range Organics (ORO) (C28-C36)		0.787	< 0.787			
Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: C27		0.309	0.3150	98.0	10-200	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Partial Report



ORGANIC ANALYTICAL REPORT

Client: EarthFax Engineering
Project: MP 44.9
Lab Sample ID: 1303395-003B
Client Sample ID: Inside of Boom
Collection Date: 3/19/2013 200h
Received Date: 3/19/2013 1125h

Contact: Galen Williams

Analytical Results

TPH-ORO (C28-C36) by GC/FID Method 8015D/3510C

Analyzed: 3/22/2013 046h **Extracted:** 3/20/2013 1914h
Units: mg/L **Dilution Factor:** 1 **Method:** SW8015D

463 West 3600 South
Salt Lake City, UT 84115

Compound	CAS Number	Reporting Limit	Analytical Result	Qual		
Oil Range Organics (ORO) (C28-C36)		0.862	< 0.862			
Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: C27		0.352	0.3448	102	10-200	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Partial Report



ORGANIC ANALYTICAL REPORT

Client: EarthFax Engineering
Project: MP 44.9
Lab Sample ID: 1303395-004B
Client Sample ID: Between Weir
Collection Date: 3/19/2013 745h
Received Date: 3/19/2013 1125h

Contact: Galen Williams

Analytical Results

TPH-ORO (C28-C36) by GC/FID Method 8015D/3510C

Analyzed: 3/22/2013 110h **Extracted:** 3/20/2013 1914h
Units: mg/L **Dilution Factor:** 1 **Method:** SW8015D

463 West 3600 South
Salt Lake City, UT 84115

Compound	CAS Number	Reporting Limit	Analytical Result	Qual		
Oil Range Organics (ORO) (C28-C36)		0.877	< 0.877			
Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: C27		0.333	0.3509	95.0	10-200	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Partial Report

REVISED

3-25-13

Project name changed @ clients request

RUSH

WORK ORDER Summary

Work Order: **1303395**

Client: EarthFax Engineering

Due Date: 3/20/2013

Client ID: EAR100

Contact: Galen Williams

Project: CPL: MP 44.9 / 1468

QC Level: II

WO Type: Standard

Comments: Next Day Rush / QC2, limited sample volume, use reduced volume to accomodate all analysis; partial reports as results become available, and bill accordingly.;

ch

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage			
1303395-001A	Pelican Bay	3/19/2013 0015h	3/19/2013 1125h	8260-W	Aqueous	<input checked="" type="checkbox"/>	voC	3		
				<i>Test Group: 8260-W-Full; # of Analytes: 103 / # of Surr: 4</i>						
1303395-001B				3510-ORO-PR		<input type="checkbox"/>	walkin-semi-tph/oro/dro		2	
				3510-SVOA-PR		<input type="checkbox"/>	walkin-semi-tph/oro/dro			
				3510-TPH-PR		<input type="checkbox"/>	walkin-semi-tph/oro/dro			
				8015-W-ORO(1L)		<input type="checkbox"/>	walkin-semi-tph/oro/dro			
				8015-W-TPH(1L)		<input checked="" type="checkbox"/>	walkin-semi-tph/oro/dro			
				<i>Test Group: 8015-W-TPH1L; # of Analytes: 1 / # of Surr: 1</i>						
				8270-W		<input checked="" type="checkbox"/>	walkin-semi-tph/oro/dro			
				<i>Test Group: 8270-W-Custom; # of Analytes: 140 / # of Surr: 6</i>						
	8270-W-SIM		<input checked="" type="checkbox"/>	walkin-semi-tph/oro/dro						
	<i>Test Group: 8270-W-PNA-SIM; # of Analytes: 19 / # of Surr:</i>									
1303395-002A	Outside of Boom	3/19/2013 0145h	3/19/2013 1125h	8260-W	Aqueous	<input checked="" type="checkbox"/>	voC	3		
				<i>Test Group: 8260-W-Full; # of Analytes: 103 / # of Surr: 4</i>						
1303395-002B				3510-ORO-PR		<input type="checkbox"/>	walkin-semi-tph/oro/dro		2	
				3510-SVOA-PR		<input type="checkbox"/>	walkin-semi-tph/oro/dro			
				3510-TPH-PR		<input type="checkbox"/>	walkin-semi-tph/oro/dro			
				8015-W-ORO(1L)		<input type="checkbox"/>	walkin-semi-tph/oro/dro			
				8015-W-TPH(1L)		<input checked="" type="checkbox"/>	walkin-semi-tph/oro/dro			
				<i>Test Group: 8015-W-TPH1L; # of Analytes: 1 / # of Surr: 1</i>						
				8270-W		<input checked="" type="checkbox"/>	walkin-semi-tph/oro/dro			
				<i>Test Group: 8270-W-Custom; # of Analytes: 140 / # of Surr: 6</i>						
	8270-W-SIM		<input checked="" type="checkbox"/>	walkin-semi-tph/oro/dro						
	<i>Test Group: 8270-W-PNA-SIM; # of Analytes: 19 / # of Surr:</i>									

WORK ORDER Summary

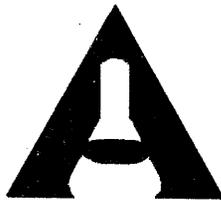
Work Order: **1303395** Page 2 of 2

Client: EarthFax Engineering

Due Date: 3/20/2013

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage			
1303395-003A	Inside of Boom	3/19/2013 0200h	3/19/2013 1125h	8260-W	Aqueous	<input checked="" type="checkbox"/>	voC	3		
				<i>Test Group: 8260-W-Full; # of Analytes: 103 / # of Surr: 4</i>						
1303395-003B				3510-ORO-PR		<input type="checkbox"/>	walkin-semi-tph/oro/dro		2	
				3510-SVOA-PR		<input type="checkbox"/>	walkin-semi-tph/oro/dro			
				3510-TPH-PR		<input type="checkbox"/>	walkin-semi-tph/oro/dro			
				8015-W-ORO(1L)		<input type="checkbox"/>	walkin-semi-tph/oro/dro			
				8015-W-TPH(1L)		<input checked="" type="checkbox"/>	walkin-semi-tph/oro/dro			
				<i>Test Group: 8015-W-TPH1L; # of Analytes: 1 / # of Surr: 1</i>						
				8270-W		<input checked="" type="checkbox"/>	walkin-semi-tph/oro/dro			
				<i>Test Group: 8270-W-Custom; # of Analytes: 140 / # of Surr: 6</i>						
	8270-W-SIM		<input checked="" type="checkbox"/>	walkin-semi-tph/oro/dro						
	<i>Test Group: 8270-W-PNA-SIM; # of Analytes: 19 / # of Surr:</i>									
1303395-004A	Between Weir	3/19/2013 0745h	3/19/2013 1125h	8260-W	Aqueous	<input checked="" type="checkbox"/>	voC	3		
				<i>Test Group: 8260-W-Full; # of Analytes: 103 / # of Surr: 4</i>						
1303395-004B				3510-ORO-PR		<input type="checkbox"/>	walkin-semi-tph/oro/dro		2	
				3510-SVOA-PR		<input type="checkbox"/>	walkin-semi-tph/oro/dro			
				3510-TPH-PR		<input type="checkbox"/>	walkin-semi-tph/oro/dro			
				8015-W-ORO(1L)		<input type="checkbox"/>	walkin-semi-tph/oro/dro			
				8015-W-TPH(1L)		<input checked="" type="checkbox"/>	walkin-semi-tph/oro/dro			
				<i>Test Group: 8015-W-TPH1L; # of Analytes: 1 / # of Surr: 1</i>						
				8270-W		<input checked="" type="checkbox"/>	walkin-semi-tph/oro/dro			
				<i>Test Group: 8270-W-Custom; # of Analytes: 140 / # of Surr: 6</i>						
	8270-W-SIM		<input checked="" type="checkbox"/>	walkin-semi-tph/oro/dro						
	<i>Test Group: 8270-W-PNA-SIM; # of Analytes: 19 / # of Surr:</i>									

Client Earth Fax 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
 (801) 263-8686 (888) 263-8686
 Fax (801) 263-8687 Email: awal@awal-labs.com

CHAIN OF CUSTODY

Lab Sample Set # 1303395
 Page _____ of _____

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

Contact Galen Williams
 E-mail gwilliams@earthfax.com
 Project Name CPL: P43 MP 44.9
 Project Number/P.O.# 1468
 Sampler Name Tim Jimenez

Sample ID	Date/Time Collected	Matrix	Number of Containers (Total)	TESTS REQUIRED								QC LEVEL	COMMENTS	
				DRD	DRO	GRD	8270 SIM	8260	8015 (DRO/DRD)	8270 semi	1	2		3
RELICAN BAY	3/19/13 00:15	W	5				X	X	X	X				
OUTSIDE OF BOOM	1:45	W	5				X	X	X	X				
INSIDE OF BOOM	2:00	W	5				X	X	X	X				
BETWEEN WEIR	7:45	W	5				X	X	X	X				

LABORATORY USE ONLY

SAMPLES WERE:

1 Shipped or hand delivered
 Notes: not enough to do 2+

2 Ambient or Chilled
 Notes: 4.4

3 Temperature 4.4

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

5 Properly Preserved
 Checked at Bench
 Y N
 Notes:

6 Received Within Holding Times
 Y N
 Notes:

Relinquished By: Signature <u>[Signature]</u>	Date <u>3/19/13</u>	Received By: Signature <u>[Signature]</u>	Date <u>3/19/13</u>
PRINT NAME <u>Tim Jimenez</u>	Time <u>11:25</u>	PRINT NAME <u>Elma Hayward</u>	Time <u>1:25</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:
per Galen Williams
run all methods w reduced
volume since insufficient
volume provided.
[Signature]
3/19/2013

COC Tape Was:

1 Present on Outer Package
 Y N NA

2 Unbroken on Outer Package
 Y N NA

3 Present on Sample
 Y N NA

4 Unbroken on Sample
 Y N NA

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