



AMERICAN
WEST
ANALYTICAL
LABORATORIES

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

RE: CPL Red Butte / BV-7

Dear Galen Williams:

Lab Set ID: 1012036

463 West 3600 South
Salt Lake City, UT
84115

American West Analytical Laboratories received 4 sample(s) on 12/2/2010 for the analyses presented in the following report.

All analyses were performed in accordance to The NELAC Institute protocols unless noted otherwise. American West Analytical Laboratories is certified by The NELAC Institute in Utah and Texas; and is state certified in Colorado and Idaho. Certification document is available upon request. If you have any questions or concerns regarding this report please feel free to call.

(801) 263-8686

Toll Free (888) 263-8686

Fax (801)263-8687

email: awal@awal-labs.com

Kyle F. Gross
Laboratory Director

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.

Jose Rocha
QA Officer

Thank You,

Approved by: _____
Laboratory Director or designee



ORGANIC ANALYTICAL REPORT

AMERICAN
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LABORATORIES

Client: EarthFax Engineering
Project: CPL Red Butte / BV-7
Lab Sample ID: 1012036-001B
Client Sample ID: RB-1
Collection Date: 12/2/2010 0250h
Received Date: 12/2/2010 1011h
Method Used: SW8015D

Contact: Galen Williams

Analyzed: 12/2/2010 1728h

Extracted: 12/2/2010 1321h

Analytical Results

TPH-DRO (C10-C28) by GC/FID Method 8015D/3510C

Units: mg/L

Dilution Factor: 1

463 West 3600 South
Salt Lake City, UT

84115

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Diesel Range Organics C10-C28	68476-34-6	0.510	< 0.510	
Surr: 4-Bromofluorobenzene	460-00-4	10-190	50.5	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



ORGANIC ANALYTICAL REPORT

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Client: EarthFax Engineering
Project: CPL Red Butte / BV-7
Lab Sample ID: 1012036-002B
Client Sample ID: RB-2
Collection Date: 12/2/2010 0305h
Received Date: 12/2/2010 1011h
Method Used: SW8015D

Contact: Galen Williams

Analyzed: 12/2/2010 1749h

Extracted: 12/2/2010 1321h

Analytical Results

TPH-DRO (C10-C28) by GC/FID Method 8015D/3510C

Units: mg/L

Dilution Factor: 1

463 West 3600 South
Salt Lake City, UT

84115

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Diesel Range Organics C10-C28	68476-34-6	0.526	< 0.526	
Surr: 4-Bromofluorobenzene	460-00-4	10-190	67.5	

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ORGANIC ANALYTICAL REPORT

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Client: EarthFax Engineering
Project: CPL Red Butte / BV-7
Lab Sample ID: 1012036-003B
Client Sample ID: RB-1
Collection Date: 12/2/2010 0740h
Received Date: 12/2/2010 1011h
Method Used: SW8015D

Contact: Galen Williams

Analyzed: 12/2/2010 1810h

Extracted: 12/2/2010 1321h

Analytical Results

TPH-DRO (C10-C28) by GC/FID Method 8015D/3510C

Units: mg/L

Dilution Factor: 1

463 West 3600 South
Salt Lake City, UT

84115

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Diesel Range Organics C10-C28	68476-34-6	0.500	< 0.500	
Surr: 4-Bromofluorobenzene	460-00-4	10-190	63.5	

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ORGANIC ANALYTICAL REPORT

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Client: EarthFax Engineering
Project: CPL Red Butte / BV-7
Lab Sample ID: 1012036-004B
Client Sample ID: RB-2
Collection Date: 12/2/2010 0800h
Received Date: 12/2/2010 1011h
Method Used: SW8015D

Contact: Galen Williams

Analyzed: 12/2/2010 1831h

Extracted: 12/2/2010 1321h

Analytical Results

TPH-DRO (C10-C28) by GC/FID Method 8015D/3510C

Units: mg/L

Dilution Factor: 1

463 West 3600 South
Salt Lake City, UT
84115

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Diesel Range Organics C10-C28	68476-34-6	0.510	< 0.510	
Surr: 4-Bromofluorobenzene	460-00-4	10-190	70.5	

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QA Officer



ORGANIC ANALYTICAL REPORT

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Client: EarthFax Engineering
Project: CPL Red Butte / BV-7
Lab Sample ID: 1012036-001A
Client Sample ID: RB-1
Collection Date: 12/2/2010 0250h
Received Date: 12/2/2010 1011h
Method Used: SW8260C

Contact: Galen Williams

Analyzed: 12/2/2010 1955h

Analytical Results

VOAs MBTEXN/GRO by GC/MS Method 8260C/5030C

Units: mg/L

Dilution Factor: 1

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
84115 Benzene	71-43-2	0.00100	< 0.00100	
Ethylbenzene	100-41-4	0.00200	< 0.00200	
Naphthalene	91-20-3	0.00200	< 0.00200	
Toluene	108-88-3	0.00200	< 0.00200	
(801) 263-8686 Xylenes, Total	1330-20-7	0.00200	< 0.00200	
Toll Free (888) 263-8686 TPH C6-C10 (GRO)		0.0200	< 0.0200	
Fax (801)263-8687 Surr: 1,2-Dichloroethane-d4	17060-07-0	77-144	114	
email: awal@awal-labs.com Surr: 4-Bromofluorobenzene	460-00-4	80-123	104	
Surr: Dibromofluoromethane	1868-53-7	80-124	104	
Kyle F. Gross Surr: Toluene-d8	2037-26-5	80-125	96.2	

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

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Client: EarthFax Engineering
Project: CPL Red Butte / BV-7
Lab Sample ID: 1012036-002A
Client Sample ID: RB-2
Collection Date: 12/2/2010 0305h
Received Date: 12/2/2010 1011h
Method Used: SW8260C

Contact: Galen Williams

Analyzed: 12/2/2010 2034h

Analytical Results

VOAs MBTEXN/GRO by GC/MS Method 8260C/5030C

Units: mg/L

Dilution Factor: 1

Compound

**CAS
Number**

**Reporting
Limit**

**Analytical
Result**

Qual

84115	Benzene	71-43-2	0.00100	0.00133	
	Ethylbenzene	100-41-4	0.00200	< 0.00200	
	Naphthalene	91-20-3	0.00200	< 0.00200	
	Toluene	108-88-3	0.00200	0.00367	
(801) 263-8686	Xylenes, Total	1330-20-7	0.00200	< 0.00200	
Toll Free (888) 263-8686	TPH C6-C10 (GRO)		0.0200	< 0.0200	
Fax (801)263-8687	Surr: 1,2-Dichloroethane-d4	17060-07-0	77-144	115	
email: awal@awal-labs.com	Surr: 4-Bromofluorobenzene	460-00-4	80-123	106	
	Surr: Dibromofluoromethane	1868-53-7	80-124	104	
Kyle F. Gross	Surr: Toluene-d8	2037-26-5	80-125	96.5	

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

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LABORATORIES

Client: EarthFax Engineering
Project: CPL Red Butte / BV-7
Lab Sample ID: 1012036-003A
Client Sample ID: RB-1
Collection Date: 12/2/2010 0740h
Received Date: 12/2/2010 1011h
Method Used: SW8260C

Contact: Galen Williams

Analyzed: 12/2/2010 1313h

Analytical Results

VOAs MBTEXN/GRO by GC/MS Method 8260C/5030C

Units: mg/L

Dilution Factor: 1

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
84115 Benzene	71-43-2	0.00100	0.00296	
Ethylbenzene	100-41-4	0.00200	< 0.00200	
Naphthalene	91-20-3	0.00200	< 0.00200	
Toluene	108-88-3	0.00200	0.00685	
(801) 263-8686 Xylenes, Total	1330-20-7	0.00200	0.00296	
Toll Free (888) 263-8686 TPH C6-C10 (GRO)		0.0200	< 0.0200	
Fax (801)263-8687 Surr: 1,2-Dichloroethane-d4	17060-07-0	77-144	115	
email: awal@awal-labs.com Surr: 4-Bromofluorobenzene	460-00-4	80-123	105	
Surr: Dibromofluoromethane	1868-53-7	80-124	103	
Kyle F. Gross Surr: Toluene-d8	2037-26-5	80-125	96.4	

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

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LABORATORIES

Client: EarthFax Engineering
Project: CPL Red Butte / BV-7
Lab Sample ID: 1012036-004A
Client Sample ID: RB-2
Collection Date: 12/2/2010 0800h
Received Date: 12/2/2010 1011h
Method Used: SW8260C

Contact: Galen Williams

Analyzed: 12/2/2010 1332h

Analytical Results

VOAs MBTEXN/GRO by GC/MS Method 8260C/5030C

Units: mg/L

Dilution Factor: 1

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
84115 Benzene	71-43-2	0.00100	0.00785	
Ethylbenzene	100-41-4	0.00200	< 0.00200	
Naphthalene	91-20-3	0.00200	< 0.00200	
Toluene	108-88-3	0.00200	0.0226	
(801) 263-8686 Xylenes, Total	1330-20-7	0.00200	0.0148	
Toll Free (888) 263-8686 TPH C6-C10 (GRO)		0.0200	0.0452	
Fax (801)263-8687 Surr: 1,2-Dichloroethane-d4	17060-07-0	77-144	115	
email: awal@awal-labs.com Surr: 4-Bromofluorobenzene	460-00-4	80-123	105	
Surr: Dibromofluoromethane	1868-53-7	80-124	104	
Kyle F. Gross Surr: Toluene-d8	2037-26-5	80-125	96.4	

Laboratory Director

Jose Rocha

QA Officer

RUSH

American West Analytical Laboratories

WORK ORDER Summary

Client: EarthFax Engineering
Client ID: EAR100
Project: CPL Red Butte / BV-7
Comments: No Hard Copies. / Next Day Rush;

Contact: Galen Williams
QC Level: LEVEL I

Work Order: **1012036**
Page 1 of 1
12/2/2010
WO Type: Standard

Sample ID	Client Sample ID	Collected Date	Received Date	Date Due	Matrix	Test Code	Sel	Storage	
1012036-001A	RB-1	12/2/2010 2:50:00 AM	12/2/2010 10:11:00 AM	12/3/2010	Aqueous	8260-W-PPM	<input checked="" type="checkbox"/>	Purge	3
1012036-001B				12/3/2010		3510-TPH-PR	<input type="checkbox"/>	Hall-TPH (liters)	2
				12/3/2010		8015-W-TPH(1L)	<input checked="" type="checkbox"/>	Hall-TPH (liters)	
1012036-002A	RB-2	12/2/2010 3:05:00 AM		12/3/2010		8260-W-PPM	<input checked="" type="checkbox"/>	Purge	
1012036-002B				12/3/2010		3510-TPH-PR	<input type="checkbox"/>	Hall-TPH (liters)	
				12/3/2010		8015-W-TPH(1L)	<input checked="" type="checkbox"/>	Hall-TPH (liters)	
1012036-003A	RB-1	12/2/2010 7:40:00 AM		12/3/2010		8260-W-PPM	<input checked="" type="checkbox"/>	Purge	3
1012036-003B				12/3/2010		3510-TPH-PR	<input type="checkbox"/>	Hall-TPH (liters)	2
				12/3/2010		8015-W-TPH(1L)	<input checked="" type="checkbox"/>	Hall-TPH (liters)	
1012036-004A	RB-2	12/2/2010 8:00:00 AM		12/3/2010		8260-W-PPM	<input checked="" type="checkbox"/>	Purge	3
1012036-004B				12/3/2010		3510-TPH-PR	<input type="checkbox"/>	Hall-TPH (liters)	2
				12/3/2010		8015-W-TPH(1L)	<input checked="" type="checkbox"/>	Hall-TPH (liters)	

