



ANALYTICAL REPORT

Report Date: November 02, 2011

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Workorder: **34-1130142**

Project ID: Red Butte Cr

Purchase Order: UC-1300-02

Client Sample ID	Lab ID	Collect Date	Receive Date	Sampling Site
Riedel Pond Sed	1130142001	10/27/11	10/28/11	Red Butte Cr
Hayes Prop 1	1130142002	10/27/11	10/28/11	Red Butte Cr
Hayes Prop 2	1130142003	10/27/11	10/28/11	Red Butte Cr
Hayes Asphalt	1130142004	10/27/11	10/28/11	Red Butte Cr
Riedel Pond Outlet	1130142005	10/27/11	10/28/11	
Riedel Pond Inlet	1130142008	10/27/11	10/28/11	
EB-1	1130142009	10/27/11	10/28/11	
Trip Blank	1130142010	10/27/11	10/28/11	

Client QC ID *	Lab ID	Collect Date	Receive Date	Sampling Site
Riedel Pond OutletMS	1130142006	10/27/11	10/28/11	
Riedel Pond OutletMSD	1130142007	10/27/11	10/28/11	

*Client QC is reported as part of the Quality Control results report, if requested.

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ANALYTICAL REPORT

Workorder: **34-1130142**

Client: EarthFax Engineering

Project Manager: Kevin W. Griffiths

Analytical Results

Sample ID: Riedel Pond Sed	Sampling Site: Red Butte Cr	Collected: 10/27/2011
Lab ID: 1130142001	Media: 2 oz Amber Glass Jar	Received: 10/28/2011
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - ASTM D2488-84		
Preparation: Not Applicable	Analysis: Batch: / (HBN:) Analyzed:	Instrument ID: Percent Solid: NA Report Basis: Wet

Analyte
*Results Pending

Analysis Method - Lloyd Kahn		
Preparation: Not Applicable	Analysis: Lloyd Kahn, Soil Batch: EWC/3348 (HBN: 75853) Analyzed: 10/31/2011 13:25	Instrument ID: WET05 Percent Solid: 69.1 Report Basis: Dry

Analyte	ug/g	MDL	RL	Dilution	Qual.
Organic Carbon	21000	570	1400	1	

Analysis Method - SW 8015 Mod.			
Preparation: EPA 3550, Sonic Ext, 8015 Mod. Soil Batch: ENVX/13751 (HBN: 75850) Prepared: 10/31/2011	<u>Weight/Volume</u> Initial: 25.06 grams Final: 1 mL	Analysis: SW 8015 Modified, Soil Batch: EGC/3664 (HBN: 75915) Analyzed: 10/31/2011 00:00	Instrument ID: GCE22 Percent Solid: 69.1 Report Basis: Dry

Analyte	mg/Kg	MDL	RL	Dilution	Qual.
TPH (C11-C60)	140	35	120	10	

Analysis Method - SW 8260		
Preparation: Not Applicable	Analysis: SW 8260C, Soil Batch: EVO/3578 (HBN: 75806) Analyzed: 10/28/2011 20:13	Instrument ID: 5972-S Percent Solid: 69.1 Report Basis: Dry

Analyte	ug/Kg	MDL	RL	Dilution	Qual.
Benzene	ND	2.2	7.2	1	U
Toluene	48	2.2	7.2	1	
Ethylbenzene	ND	2.2	7.2	1	U
m,p-Xylene	ND	4.3	14	1	U
o-Xylene	ND	2.2	7.2	1	U

Analysis Method - SW 8270			
Preparation: EPA 3550, Sonic Ext, SVOA SIM Soil Batch: ENVX/13752 (HBN: 75851) Prepared: 10/31/2011	<u>Weight/Volume</u> Initial: 30 grams Final: 1 mL	Analysis: SW 8270D SIM, Soil Batch: ESVO/3290 (HBN: 75984) Analyzed: 11/01/2011 13:21	Instrument ID: 5975-D Percent Solid: 69.1 Report Basis: Dry

Analyte	ug/Kg	MDL	RL	Dilution	Qual.
Naphthalene	2.8	NA	2.4	1	
Acenaphthylene	ND	NA	2.4	1	
Acenaphthene	ND	NA	2.4	1	
Fluorene	2.9	NA	2.4	1	
Phenanthrene	15	NA	2.4	1	
Anthracene	4.1	NA	2.4	1	
Fluoranthene	31	NA	2.4	1	
Pyrene	31	NA	2.4	1	
Benzo(a)anthracene	15	NA	2.4	1	

Results Continued on Next Page



ANALYTICAL REPORT

Workorder: **34-1130142**

Client: EarthFax Engineering

Project Manager: Kevin W. Griffiths

Analytical Results

Sample ID: Riedel Pond Sed	Sampling Site: Red Butte Cr	Collected: 10/27/2011
Lab ID: 1130142001	Media: 8 oz Glass Jar Wide Mouth	Received: 10/28/2011
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8270					
Analyte	ug/Kg	MDL	RL	Dilution	Qual.
Chrysene	28	NA	2.4	1	
Benzo(b)fluoranthene	29	NA	2.4	1	
Benzo(k)fluoranthene	7.6	NA	2.4	1	
Benzo(a)pyrene	17	NA	2.4	1	
Indeno(1,2,3-cd)pyrene	11	NA	2.4	1	
Dibenz(a,h)anthracene	2.7	NA	2.4	1	
Benzo(g,h,i)perylene	14	NA	2.4	1	

Sample ID: Hayes Prop 1	Sampling Site: Red Butte Cr	Collected: 10/27/2011
Lab ID: 1130142002	Media: 2 oz Amber Glass Jar	Received: 10/28/2011
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - ASTM D2488-84					
Analyte	ug/g	MDL	RL	Dilution	Qual.
*Results Pending					

Analysis Method - Lloyd Kahn					
Analyte	ug/g	MDL	RL	Dilution	Qual.
Organic Carbon	20000	500	1300	1	

Analysis Method - SW 8015 Mod.					
Analyte	mg/Kg	MDL	RL	Dilution	Qual.
TPH (C11-C60)	71	30	100	10	J

Analysis Method - SW 8260					
Analyte	ug/Kg	MDL	RL	Dilution	Qual.
Benzene	ND	1.9	6.3	1	U
Toluene	ND	1.9	6.3	1	U

Results Continued on Next Page



ANALYTICAL REPORT

Workorder: **34-1130142**

Client: EarthFax Engineering

Project Manager: Kevin W. Griffiths

Analytical Results

Sample ID: Hayes Prop 1	Sampling Site: Red Butte Cr	Collected: 10/27/2011
Lab ID: 1130142002	Media: 4 oz Amber Glass Jar	Received: 10/28/2011
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8260		
Preparation: Not Applicable	Analysis: SW 8260C, Soil Batch: EVO/3578 (HBN: 75806) Analyzed: 10/28/2011 20:44	Instrument ID: 5972-S Percent Solid: 79.1 Report Basis: Dry

Analyte	ug/Kg	MDL	RL	Dilution	Qual.
Ethylbenzene	ND	1.9	6.3	1	U
m,p-Xylene	ND	3.8	13	1	U
o-Xylene	ND	1.9	6.3	1	U

Analysis Method - SW 8270		
Preparation: EPA 3550, Sonic Ext, SVOA SIM Soil Batch: ENVX/13752 (HBN: 75851) Prepared: 10/31/2011	Weight/Volume Initial: 30 grams Final: 1 mL	Analysis: SW 8270D SIM, Soil Batch: ESVO/3290 (HBN: 75984) Analyzed: 11/01/2011 13:52
		Instrument ID: 5975-D Percent Solid: 79.1 Report Basis: Dry

Analyte	ug/Kg	MDL	RL	Dilution	Qual.
Naphthalene	3.2	NA	2.1	1	
Acenaphthylene	2.9	NA	2.1	1	
Acenaphthene	ND	NA	2.1	1	
Fluorene	3.2	NA	2.1	1	
Phenanthrene	25	NA	2.1	1	
Anthracene	7.3	NA	2.1	1	
Fluoranthene	40	NA	2.1	1	
Pyrene	57	NA	2.1	1	
Benzo(a)anthracene	23	NA	2.1	1	
Chrysene	28	NA	2.1	1	
Benzo(b)fluoranthene	36	NA	2.1	1	
Benzo(k)fluoranthene	12	NA	2.1	1	
Benzo(a)pyrene	27	NA	2.1	1	
Indeno(1,2,3-cd)pyrene	17	NA	2.1	1	
Dibenz(a,h)anthracene	4.6	NA	2.1	1	
Benzo(g,h,i)perylene	22	NA	2.1	1	

Sample ID: Hayes Prop 2	Sampling Site: Red Butte Cr	Collected: 10/27/2011
Lab ID: 1130142003	Media: 2 oz Amber Glass Jar	Received: 10/28/2011
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - ASTM D2488-84		
Preparation: Not Applicable	Analysis: Batch: / (HBN:) Analyzed:	Instrument ID: Percent Solid: NA Report Basis: Wet

Analyte
*Results Pending

Results Continued on Next Page



ANALYTICAL REPORT

Workorder: **34-1130142**

Client: EarthFax Engineering

Project Manager: Kevin W. Griffiths

Analytical Results

Sample ID: Hayes Prop 2	Sampling Site: Red Butte Cr	Collected: 10/27/2011
Lab ID: 1130142003	Media: 8 oz Glass Jar Wide Mouth	Received: 10/28/2011
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - Lloyd Kahn

Preparation: Not Applicable	Analysis: Lloyd Kahn, Soil Batch: EWC/3348 (HBN: 75853) Analyzed: 10/31/2011 13:25	Instrument ID: WET05 Percent Solid: 79.7 Report Basis: Dry
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Analyte	ug/g	MDL	RL	Dilution	Qual.
Organic Carbon	16000	490	1300	1	

Analysis Method - SW 8015 Mod.

Preparation: EPA 3550, Sonic Ext, 8015 Mod. Soil Batch: ENVX/13751 (HBN: 75850) Prepared: 10/31/2011	Weight/Volume Initial: 25.09 grams Final: 1 mL	Analysis: SW 8015 Modified, Soil Batch: EGC/3664 (HBN: 75915) Analyzed: 10/31/2011 00:00	Instrument ID: GCE22 Percent Solid: 79.7 Report Basis: Dry
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Analyte	mg/Kg	MDL	RL	Dilution	Qual.
TPH (C11-C60)	63	30	100	10	J

Analysis Method - SW 8260

Preparation: Not Applicable	Analysis: SW 8260C, Soil Batch: EVO/3578 (HBN: 75806) Analyzed: 10/28/2011 21:16	Instrument ID: 5972-S Percent Solid: 79.7 Report Basis: Dry
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Analyte	ug/Kg	MDL	RL	Dilution	Qual.
Benzene	ND	1.9	6.3	1	U
Toluene	ND	1.9	6.3	1	U
Ethylbenzene	ND	1.9	6.3	1	U
m,p-Xylene	ND	3.8	13	1	U
o-Xylene	ND	1.9	6.3	1	U

Analysis Method - SW 8270

Preparation: EPA 3550, Sonic Ext, SVOA SIM Soil Batch: ENVX/13752 (HBN: 75851) Prepared: 10/31/2011	Weight/Volume Initial: 30 grams Final: 1 mL	Analysis: SW 8270D SIM, Soil Batch: ESVO/3290 (HBN: 75984) Analyzed: 11/01/2011 14:23	Instrument ID: 5975-D Percent Solid: 79.7 Report Basis: Dry
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Analyte	ug/Kg	MDL	RL	Dilution	Qual.
Naphthalene	2.1	NA	2.1	1	
Acenaphthylene	ND	NA	2.1	1	
Acenaphthene	ND	NA	2.1	1	
Fluorene	ND	NA	2.1	1	
Phenanthrene	7.5	NA	2.1	1	
Anthracene	2.1	NA	2.1	1	
Fluoranthene	19	NA	2.1	1	
Pyrene	19	NA	2.1	1	
Benzo(a)anthracene	12	NA	2.1	1	
Chrysene	15	NA	2.1	1	
Benzo(b)fluoranthene	19	NA	2.1	1	
Benzo(k)fluoranthene	5.8	NA	2.1	1	
Benzo(a)pyrene	13	NA	2.1	1	
Indeno(1,2,3-cd)pyrene	6.9	NA	2.1	1	

Results Continued on Next Page



ANALYTICAL REPORT

Workorder: **34-1130142**

Client: EarthFax Engineering

Project Manager: Kevin W. Griffiths

Analytical Results

Sample ID: Hayes Prop 2	Sampling Site: Red Butte Cr	Collected: 10/27/2011
Lab ID: 1130142003	Media: 8 oz Glass Jar Wide Mouth	Received: 10/28/2011
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8270			
Preparation: EPA 3550, Sonic Ext, SVOA SIM Soil	<u>Weight/Volume</u>	Analysis: SW 8270D SIM, Soil	Instrument ID: 5975-D
Batch: ENVX/13752 (HBN: 75851)	Initial: 30 grams	Batch: ESVO/3290 (HBN: 75984)	Percent Solid: 79.7
Prepared: 10/31/2011	Final: 1 mL	Analyzed: 11/01/2011 14:23	Report Basis: Dry

Analyte	ug/Kg	MDL	RL	Dilution	Qual.
Dibenz(a,h)anthracene	2.1	NA	2.1	1	
Benzo(g,h,i)perylene	9.1	NA	2.1	1	

Sample ID: Hayes Asphalt	Sampling Site: Red Butte Cr	Collected: 10/27/2011
Lab ID: 1130142004	Media: 8 oz Glass Jar Wide Mouth	Received: 10/28/2011
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8270			
Preparation: EPA 3550, Sonic Ext, SVOA SIM Soil	<u>Weight/Volume</u>	Analysis: SW 8270D SIM, Soil	Instrument ID: 5975-D
Batch: ENVX/13752 (HBN: 75851)	Initial: 30 grams	Batch: ESVO/3290 (HBN: 75984)	Percent Solid: NA
Prepared: 10/31/2011	Final: 2 mL	Analyzed: 11/01/2011 15:59	Report Basis: Wet

Analyte	ug/Kg	MDL	RL	Dilution	Qual.
Naphthalene	24	NA	17	5	
Acenaphthylene	ND	NA	17	5	
Acenaphthene	ND	NA	17	5	
Fluorene	41	NA	17	5	
Phenanthrene	1200	NA	17	5	
Anthracene	160	NA	17	5	
Fluoranthene	410	NA	17	5	
Pyrene	6600	NA	17	5	
Benzo(a)anthracene	1300	NA	17	5	
Chrysene	2000	NA	17	5	
Benzo(b)fluoranthene	570	NA	17	5	
Benzo(k)fluoranthene	64	NA	17	5	
Benzo(a)pyrene	1000	NA	17	5	
Indeno(1,2,3-cd)pyrene	140	NA	17	5	
Dibenz(a,h)anthracene	120	NA	17	5	
Benzo(g,h,i)perylene	420	NA	17	5	



ANALYTICAL REPORT

Workorder: **34-1130142**

Client: EarthFax Engineering

Project Manager: Kevin W. Griffiths

Analytical Results

Sample ID: Riedel Pond Outlet	Sampling Site: NA	Collected: 10/27/2011
Lab ID: 1130142005	Media: 1000 mL Amber Glass	Received: 10/28/2011
Matrix: Water	Sampling Parameter: NA	

Analysis Method - SW 8015 Mod.

Preparation: EPA 3510, Sep Funnel 8015 Mod. Ext. Batch: ENVX/13741 (HBN: 75813) Prepared: 10/29/2011	<u>Weight/Volume</u> Initial: 1000 mL Final: 1 mL	Analysis: SW 8015 Modified, Water Batch: EGC/3663 (HBN: 75914) Analyzed: 10/31/2011 00:00	Instrument ID: GCE22 Percent Solid: NA Report Basis: Wet
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Analyte	ug/L	MDL	RL	Dilution	Qual.
TPH (C11-C60)	92	3.2	100	1	J

Analysis Method - SW 8260

Preparation: Not Applicable	Analysis: SW 8260C, Water Batch: EVO/3577 (HBN: 75805) Analyzed: 10/28/2011 21:37	Instrument ID: 5973-Z Percent Solid: NA Report Basis: Wet
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Analyte	ug/L	MDL	RL	Dilution	Qual.
Benzene	ND	0.30	1.0	1	U
Toluene	ND	0.30	1.0	1	U
Ethylbenzene	ND	0.30	1.0	1	U
m,p-Xylene	ND	0.60	2.0	1	U
o-Xylene	ND	0.30	1.0	1	U

Analysis Method - SW 8270

Preparation: EPA 3510, Sep Funnel SVOA SIM Ext. Batch: ENVX/13753 (HBN: 75852) Prepared: 10/31/2011	<u>Weight/Volume</u> Initial: 1000 mL Final: 1 mL	Analysis: SW 8270D SIM, Water Batch: ESVO/3294 (HBN: 76060) Analyzed: 11/02/2011 13:01	Instrument ID: 5975-D Percent Solid: NA Report Basis: Wet
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Analyte	ug/L	MDL	RL	Dilution	Qual.
Naphthalene	0.019	0.015	0.20	1	J
Acenaphthylene	ND	0.015	0.050	1	U
Acenaphthene	ND	0.015	0.050	1	U
Fluorene	ND	0.015	0.050	1	U
Phenanthrene	0.03	0.015	0.050	1	J
Anthracene	ND	0.015	0.050	1	U
Fluoranthene	ND	0.015	0.050	1	U
Pyrene	ND	0.015	0.050	1	U
Benzo(a)anthracene	ND	0.015	0.050	1	U
Chrysene	ND	0.015	0.050	1	U
Benzo(b)fluoranthene	ND	0.015	0.050	1	U
Benzo(k)fluoranthene	ND	0.015	0.050	1	U
Benzo(a)pyrene	ND	0.015	0.050	1	U
Indeno(1,2,3-cd)pyrene	ND	0.015	0.050	1	U
Dibenz(a,h)anthracene	ND	0.015	0.050	1	U
Benzo(g,h,i)perylene	ND	0.015	0.050	1	U



ANALYTICAL REPORT

Workorder: **34-1130142**

Client: EarthFax Engineering

Project Manager: Kevin W. Griffiths

Analytical Results

Sample ID: Riedel Pond Inlet	Sampling Site: NA	Collected: 10/27/2011
Lab ID: 1130142008	Media: 1000 mL Amber Glass	Received: 10/28/2011
Matrix: Water	Sampling Parameter: NA	

Analysis Method - SW 8015 Mod.

Preparation: EPA 3510, Sep Funnel 8015 Mod. Ext. Batch: ENVX/13741 (HBN: 75813) Prepared: 10/29/2011	<u>Weight/Volume</u> Initial: 1000 mL Final: 1 mL	Analysis: SW 8015 Modified, Water Batch: EGC/3663 (HBN: 75914) Analyzed: 10/31/2011 00:00	Instrument ID: GCE22 Percent Solid: NA Report Basis: Wet
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Analyte	ug/L	MDL	RL	Dilution	Qual.
TPH (C11-C60)	90	3.2	100	1	J

Analysis Method - SW 8260

Preparation: Not Applicable	Analysis: SW 8260C, Water Batch: EVO/3577 (HBN: 75805) Analyzed: 10/28/2011 22:01	Instrument ID: 5973-Z Percent Solid: NA Report Basis: Wet
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Analyte	ug/L	MDL	RL	Dilution	Qual.
Benzene	ND	0.30	1.0	1	U
Toluene	ND	0.30	1.0	1	U
Ethylbenzene	ND	0.30	1.0	1	U
m,p-Xylene	ND	0.60	2.0	1	U
o-Xylene	ND	0.30	1.0	1	U

Analysis Method - SW 8270

Preparation: EPA 3510, Sep Funnel SVOA SIM Ext. Batch: ENVX/13753 (HBN: 75852) Prepared: 10/31/2011	<u>Weight/Volume</u> Initial: 1000 mL Final: 1 mL	Analysis: SW 8270D SIM, Water Batch: ESVO/3294 (HBN: 76060) Analyzed: 11/02/2011 14:23	Instrument ID: 5975-D Percent Solid: NA Report Basis: Wet
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Analyte	ug/L	MDL	RL	Dilution	Qual.
Naphthalene	0.024	0.015	0.20	1	J
Acenaphthylene	ND	0.015	0.050	1	U
Acenaphthene	ND	0.015	0.050	1	U
Fluorene	ND	0.015	0.050	1	U
Phenanthrene	0.034	0.015	0.050	1	J
Anthracene	ND	0.015	0.050	1	U
Fluoranthene	ND	0.015	0.050	1	U
Pyrene	ND	0.015	0.050	1	U
Benzo(a)anthracene	ND	0.015	0.050	1	U
Chrysene	ND	0.015	0.050	1	U
Benzo(b)fluoranthene	ND	0.015	0.050	1	U
Benzo(k)fluoranthene	ND	0.015	0.050	1	U
Benzo(a)pyrene	ND	0.015	0.050	1	U
Indeno(1,2,3-cd)pyrene	ND	0.015	0.050	1	U
Dibenz(a,h)anthracene	ND	0.015	0.050	1	U
Benzo(g,h,i)perylene	ND	0.015	0.050	1	U



ANALYTICAL REPORT

Workorder: **34-1130142**

Client: EarthFax Engineering

Project Manager: Kevin W. Griffiths

Analytical Results

Sample ID: EB-1	Sampling Site: NA	Collected: 10/27/2011
Lab ID: 1130142009	Media: 1000 mL Amber Glass	Received: 10/28/2011
Matrix: Water	Sampling Parameter: NA	

Analysis Method - SW 8015 Mod.

Preparation: EPA 3510, Sep Funnel 8015 Mod. Ext. Batch: ENVX/13741 (HBN: 75813) Prepared: 10/29/2011	<u>Weight/Volume</u> Initial: 1000 mL Final: 1 mL	Analysis: SW 8015 Modified, Water Batch: EGC/3663 (HBN: 75914) Analyzed: 10/31/2011 00:00	Instrument ID: GCE22 Percent Solid: NA Report Basis: Wet
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Analyte	ug/L	MDL	RL	Dilution	Qual.
TPH (C11-C60)	110	3.2	100	1	

Analysis Method - SW 8260

Preparation: Not Applicable	Analysis: SW 8260C, Water Batch: EVO/3577 (HBN: 75805) Analyzed: 10/28/2011 20:47	Instrument ID: 5973-Z Percent Solid: NA Report Basis: Wet
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Analyte	ug/L	MDL	RL	Dilution	Qual.
Benzene	ND	0.30	1.0	1	U
Toluene	ND	0.30	1.0	1	U
Ethylbenzene	ND	0.30	1.0	1	U
m,p-Xylene	ND	0.60	2.0	1	U
o-Xylene	ND	0.30	1.0	1	U

Analysis Method - SW 8270

Preparation: EPA 3510, Sep Funnel SVOA SIM Ext. Batch: ENVX/13753 (HBN: 75852) Prepared: 10/31/2011	<u>Weight/Volume</u> Initial: 1000 mL Final: 1 mL	Analysis: SW 8270D SIM, Water Batch: ESVO/3294 (HBN: 76060) Analyzed: 11/02/2011 14:51	Instrument ID: 5975-D Percent Solid: NA Report Basis: Wet
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Analyte	ug/L	MDL	RL	Dilution	Qual.
Naphthalene	0.028	0.015	0.20	1	J
Acenaphthylene	ND	0.015	0.050	1	U
Acenaphthene	ND	0.015	0.050	1	U
Fluorene	ND	0.015	0.050	1	U
Phenanthrene	0.029	0.015	0.050	1	J
Anthracene	ND	0.015	0.050	1	U
Fluoranthene	ND	0.015	0.050	1	U
Pyrene	ND	0.015	0.050	1	U
Benzo(a)anthracene	ND	0.015	0.050	1	U
Chrysene	ND	0.015	0.050	1	U
Benzo(b)fluoranthene	ND	0.015	0.050	1	U
Benzo(k)fluoranthene	ND	0.015	0.050	1	U
Benzo(a)pyrene	ND	0.015	0.050	1	U
Indeno(1,2,3-cd)pyrene	ND	0.015	0.050	1	U
Dibenz(a,h)anthracene	ND	0.015	0.050	1	U
Benzo(g,h,i)perylene	ND	0.015	0.050	1	U



ANALYTICAL REPORT

Workorder: **34-1130142**

Client: EarthFax Engineering

Project Manager: Kevin W. Griffiths

Analytical Results

Sample ID: Trip Blank	Sampling Site: NA	Collected: 10/27/2011
Lab ID: 1130142010	Media: 40 mL Amber Glass VOA	Received: 10/28/2011
Matrix: Water	Sampling Parameter: NA	

Analysis Method - SW 8260

Preparation: Not Applicable	Analysis: SW 8260C, Water Batch: EVO/3577 (HBN: 75805) Analyzed: 10/28/2011 21:12	Instrument ID: 5973-Z Percent Solid: NA Report Basis: Wet
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Analyte	ug/L	MDL	RL	Dilution	Qual.
Benzene	ND	0.30	1.0	1	U
Toluene	ND	0.30	1.0	1	U
Ethylbenzene	ND	0.30	1.0	1	U
m,p-Xylene	ND	0.60	2.0	1	U
o-Xylene	ND	0.30	1.0	1	U

Report Authorization

Analysis Method - Lloyd Kahn

Rosemary Hanks	Lance Hellmann
Analyst	Peer Review

Analysis Method - SW 8015 Mod.

Mila V. Potekhin	Nadjla Borges
Analyst	Peer Review

Analysis Method - SW 8260

Christopher Q. Coleman	Thomas J. Masoian
Analyst	Peer Review

Analysis Method - SW 8270

Reed A. Hendricks	Matt Garvin
Analyst	Peer Review

Analysis Method - Solids/Moisture Determination

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ANALYTICAL REPORT

Workorder: **34-1130142**

Client: EarthFax Engineering

Project Manager: Kevin W. Griffiths

General Lab Comments

The results provided in this report relate only to the items tested.
Samples were received in acceptable condition unless otherwise noted.
Samples have not been blank corrected unless otherwise noted.
This test report shall not be reproduced, except in full, without written approval of ALS.

ALS provides professional analytical services for all samples submitted. ALS is not in a position to interpret the data and assumes no responsibility for the quality of the samples submitted.

All quality control samples processed with the samples in this report yielded acceptable results unless otherwise noted.

ALS is accredited for specific fields of testing (scopes) in the following testing sectors. The quality system implemented at ALS conforms to accreditation requirements and is applied to all analytical testing performed by ALS. The following table lists testing sector, accreditation body, accreditation number and website. Please contact these accrediting bodies or your ALS project manager for the current scope of accreditation that applies to your analytical testing.

Testing Sector	Accreditation Body (Standard)	Certificate Number	Website
Environmental	ACLASS (DoD ELAP)	AT-1421	http://www.aiclasscorp.com
	Utah (NELAC)	DATA1	http://health.utah.gov/lab/labimp/
	Nevada	UT00009	http://ndep.nv.gov/bsdw/labservice.htm
	Oklahoma	UT00009	http://www.deq.state.ok.us/CSDnew/
	Iowa	IA# 376	http://www.iowadnr.gov/InsideDNR/RegulatoryWater.aspx
	Florida (TNI)	E871067	http://www.dep.state.fl.us/labs/bars/sas/qa/
	Texas (TNI)	T104704456-11-1	http://www.tceq.texas.gov/field/qa/lab_accred_certif.html
Industrial Hygiene	AIHA (ISO 17025 & AIHA IHLAP/ELLAP)	101574	http://www.aihaaccreditedlabs.org
Lead Testing:			
CPSC	ACLASS (ISO 17025, CPSC)	AT-1421	http://www.aiclasscorp.com
Soil, Dust, Paint ,Air	AIHA (ISO 17025, AIHA ELLAP and NLLAP)	101574	http://www.aihaaccreditedlabs.org
Dietary Supplements	ACLASS (ISO 17025)	AT-1421	http://www.aiclasscorp.com

Result Symbol Definitions

MDL = Method Detection Limit, a statistical estimate of method/media/instrument sensitivity.
RL = Reporting Limit, a verified value of method/media/instrument sensitivity.
CRDL = Contract Required Detection Limit
Reg. Limit = Regulatory Limit.
ND = Not Detected, testing result not detected above the MDL or RL.
< This testing result is less than the numerical value.
** No result could be reported, see sample comments for details.

Qualifier Symbol Definitions

U = Qualifier indicates that the analyte was not detected above the MDL.
J = Qualifier Indicates that the analyte value is between the MDL and the RL. It is also used to indicate an estimated value for tentatively identified compounds in mass spectrometry where a 1:1 response is assumed.
B = Qualifier indicates that the analyte was detected in the blank.
E = Qualifier indicates that the analyte result exceeds calibration range.
P = Qualifier indicates that the RPD between the two columns is greater than 40%.