



DOCUMENT #2215085

SUNDRY NOTICE

Submit original plus one copy. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full on Technical Information Page (Page 2 of this form.) Identify well or other facility by API Number or by OGCC Facility ID. Operator shall send an informational copy of all sundry notices for wells located in High Density Areas to the Local Government Designee (Rule 603b.)

RECEIVED  
7/20/2011

1. OGCC Operator Number: 10310	4. Contact Name: Harold Mayland	Complete the Attachment Checklist OP OGCC
2. Name of Operator: Fram Operating LLC	Phone: 303.550.1098	
3. Address: 30 E Pikes Peak Ave. Ste. 287 City: Colorado Springs State: CO Zip: 80903	Fax: NA	
5. API Number 05-077-09326	OGCC Facility ID Number 334481	Survey Plat
6. Well/Facility Name: Siminoe #32-2-L	7. Well/Facility Number: Siminoe #32-2-L	Directional Survey
8. Location (Qtr/Sec, Twp, Rng, Meridian): NWSW, Sec. 32, T12S, R97W, 6PM		Surface Eqpm Diagram
9. County: Mesa	10. Field Name: Wildcat - #99999	Technical Info Page
11. Federal, Indian or State Lease Number: NA		Other

General Notice

CHANGE OF LOCATION: Attach New Survey Plat (a change of surface qtr/qtr is substantive and requires a new permit)

Change of Surface Footage from Exterior Section Lines:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Change of Surface Footage to Exterior Section Lines:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Change of Bottomhole Footage from Exterior Section Lines:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Change of Bottomhole Footage to Exterior Section Lines:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> attach directional survey

Bottomhole location Qtr/Sec, Twp, Rng, Mer \_\_\_\_\_  
 Latitude \_\_\_\_\_ Distance to nearest property line \_\_\_\_\_ Distance to nearest bldg, public rd, utility or RR \_\_\_\_\_  
 Longitude \_\_\_\_\_ Distance to nearest lease line \_\_\_\_\_ Is location in a High Density Area (rule 603b)? Yes/No   
 Ground Elevation \_\_\_\_\_ Distance to nearest well same formation \_\_\_\_\_ Surface owner consultation date: \_\_\_\_\_

GPS DATA:  
 Date of Measurement \_\_\_\_\_ PDOP Reading \_\_\_\_\_ Instrument Operator's Name \_\_\_\_\_

CHANGE SPACING UNIT

Formation	Formation Code	Spacing order number	Unit Acreage	Unit configuration

Remove from surface bond  
 Signed surface use agreement attached

CHANGE OF OPERATOR (prior to drilling):  
 Effective Date: \_\_\_\_\_  
 Plugging Bond:  Blanket  Individual

CHANGE WELL NAME NUMBER  
 From: \_\_\_\_\_  
 To: \_\_\_\_\_  
 Effective Date: \_\_\_\_\_

ABANDONED LOCATION:  
 Was location ever built?  Yes  No  
 Is site ready for inspection?  Yes  No  
 Date Ready for inspection: \_\_\_\_\_

NOTICE OF CONTINUED SHUT IN STATUS  
 Date well shut in or temporarily abandoned: \_\_\_\_\_  
 Has Production Equipment been removed from site?  Yes  No  
 MIT required if shut in longer than two years. Date of last MIT \_\_\_\_\_

SPUD DATE: \_\_\_\_\_

REQUEST FOR CONFIDENTIAL STATUS (6 mos from date casing set)

SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK \*submit cbl and cement job summaries

Method used	Cementing tool setting/perf depth	Cement volume	Cement top	Cement bottom	Date

RECLAMATION: Attach technical page describing final reclamation procedures per Rule 1004.  
 Final reclamation will commence on approximately \_\_\_\_\_  Final reclamation is completed and site is ready for inspection.

Technical Engineering/Environmental Notice

Notice of Intent Approximate Start Date: Upon COGCC Approval  Report of Work Done Date Work Completed: \_\_\_\_\_

Details of work must be described in full on Technical Information Page (Page 2 must be submitted.)

<input type="checkbox"/> Intent to Recomplete (submit form 2)	<input type="checkbox"/> Request to Vent or Flare	<input type="checkbox"/> E&P Waste Disposal
<input type="checkbox"/> Change Drilling Plans	<input type="checkbox"/> Repair Well	<input checked="" type="checkbox"/> Beneficial Reuse of E&P Waste
<input type="checkbox"/> Gross Interval Changed?	<input type="checkbox"/> Rule 502 variance requested	<input type="checkbox"/> Status Update/Change of Remediation Plans
<input type="checkbox"/> Casing/Cementing Program Change	<input checked="" type="checkbox"/> Other: Background Arsenic	for Spills and Releases

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.

Signed: Date: 7/20/2011 Email: tdobransky@oaconsulting.com  
 Print Name: Tim Dobransky Title: Project Manager

COGCC Approved: \_\_\_\_\_ Title: \_\_\_\_\_ Date: 6/6/2012

CONDITIONS OF APPROVAL, IF ANY:

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

- 1. OGCC Operator Number: 10310 API Number: 05-077-09326
- 2. Name of Operator: Fram Operating LLC OGCC Facility ID # 334481
- 3. Well/Facility Name: Siminoe #32-2-L Well/Facility Number: Siminoe #32-2-L
- 4. Location (QtrQtr, Sec, Twp, Rng, Meridian): NWSW, Sec. 32, T12S, R97W, 6PM

This form is to be completed whenever a Sundry Notice is submitted requiring detailed report of work to be performed or completed. This form shall be transmitted within 30 days of work completed as a "subsequent" report and must accompany Form 4, page 1.

5. **DESCRIBE PROPOSED OR COMPLETED OPERATIONS**

This COGCC Form 4 is being submitted as a request for the following items at the Siminoe #32-2-L:

- \*Beneficial reuse of drill cuttings and,
- \*Use of background arsenic concentrations.

The cuttings were generated by Fram Operating LLC during the Spring of 2011 during closed-loop drilling activities on the Siminoe #32-2-L well (API 05-077-09326). It is Fram's intent to use these cuttings as recontouring fill during the interim reclamation process on the Siminoe #32-2-L location. No off-site transportation will occur. It is not anticipated that any treatment of the cuttings will be performed, other than mixing with native soil during reclamation activities.

A composite cuttings sample and 5 grab background samples were collected in June 2011 and analyzed for the Table 910-1 requirements. The results indicated that the cuttings exceeded Table 910-1 background standards for Arsenic (8.94 mg/kg).

\*Arsenic Concentrations

The 5 grab background samples were collected from nearby non-impacted, native soil from a depth of 0-6 inches and analyzed for Arsenic in June 2011. Of these 5 samples 2 were above the concentration found in the cuttings sample. Fram is requesting that the arsenic concentration of the cuttings be considered within allowable background levels.

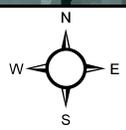
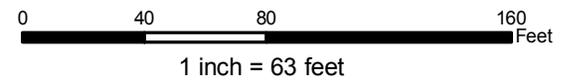
S 32-2-L CS1 (cuttings sample) - 8.94 mg/kg

- S 32-2-L SS1 (background) - 1.04 mg/kg
- S 32-2-L SS2 (background) - 4.89 mg/kg
- S 32-2-L SS3 (background) - 9.72 mg/kg
- S 32-2-L SS4 (background) - 7.18 mg/kg
- S 32-2-L SS5 (background) - 12.2 mg/kg

A sample location map, data summary table and laboratory analytical results are attached.



★ Siminoe\_32-2-L  
 □ Pads



PROJECT NO:	011-1144	<b>BACKGROUND SAMPLE LOCATION</b> SIMINOE 32-2-L FRAM OPERATING, LLC MESA COUNTY, CO		826 21-1/2 ROAD GRAND JUNCTION, CO 81505 TEL 970.263.7800 FAX 970.263.7456	FIGURE
DRAWN BY:	Brian Swedhin				
DATE:	7/19/2011				1

**Table 1**  
**Siminoe Pad Cuttings Sample**  
**Data Summary**

SAMPLE SUMMARY	
Location Description	Siminoe Pad 32-2-L
Sample Type	Soil

LABORATORY DATA SUMMARY								
Sample ID	S 32-2-L SS1	S 32-2-L SS2	S 32-2-L SS3	S 32-2-L SS4	S 32-2-L SS5	S 32-2-L CS1	ALLOWABLE LIMITS	UNITS
Sample Date	6/1/2011	6/1/2011	6/1/2011	6/1/2011	6/1/2011	6/1/2011		
Sample Type	Background	Background	Background	Background	Background	Cuttings		
Analytical Parameters								
<b>TPH</b>								
TPH Gasoline Range Organics	NT	NT	NT	NT	NT	<25	500	mg/kg
TPH Diesel Range Organics	NT	NT	NT	NT	NT	<25		
<b>BTEX</b>								
Benzene	NT	NT	NT	NT	NT	0.0951	0.17	mg/kg
Toluene	NT	NT	NT	NT	NT	0.185	85	mg/kg
Ethylbenzene	NT	NT	NT	NT	NT	0.0527	100	mg/kg
Xylenes, total	NT	NT	NT	NT	NT	0.179	175	mg/kg
<b>Metals</b>								
Arsenic	1.04	4.89	9.72	7.18	12.2	8.94	0.39	mg/kg
Barium	NT	NT	NT	NT	204	181	15,000	mg/kg
Cadmium	NT	NT	NT	NT	<0.177	<0.211	70	mg/kg
Chromium, Trivalent	NT	NT	NT	NT	16.7	20.5	120,000	mg/kg
Chromium, Hexavalent	NT	NT	NT	NT	<0.156	<0.188	23	mg/kg
Copper	NT	NT	NT	NT	23.4	23.4	3,100	mg/kg
Lead	NT	NT	NT	NT	3.14	10.4	400	mg/kg
Mercury	NT	NT	NT	NT	0.0165	0.0266 I	23	mg/kg
Nickel	NT	NT	NT	NT	20.9	24.5	1,600	mg/kg
Selenium	NT	NT	NT	NT	<0.644	<0.769	390	mg/kg
Silver	NT	NT	NT	NT	<0.738	<0.881	390	mg/kg
Zinc	NT	NT	NT	NT	63	98	23,000	mg/kg
<b>SAR Metals Analysis</b>								
Sodium Adsorption Ratio	NT	NT	NT	NT	0.576	0.597	<12	ratio
<b>Polynuclear Aromatic Hydrocarbons</b>								
Acenaphthene	NT	NT	NT	NT	NT	<0.0274	1,000	mg/kg
Anthracene	NT	NT	NT	NT	NT	<0.0436	1,000	mg/kg
Benzo(a)anthracene	NT	NT	NT	NT	NT	<0.0349	0.22	mg/kg
Benzo(b)pyrene	NT	NT	NT	NT	NT	<0.0311	0.022	mg/kg
Benzo(k)fluoranthene	NT	NT	NT	NT	NT	<0.0249	0.22	mg/kg
Benzo(e)pyrene	NT	NT	NT	NT	NT	<0.0411	2.2	mg/kg
Chrysene	NT	NT	NT	NT	NT	<0.0286	22	mg/kg
Dibenzo(a,h)anthracene	NT	NT	NT	NT	NT	<0.0336	0.022	mg/kg
Fluoranthene	NT	NT	NT	NT	NT	<0.0473	1,000	mg/kg
Fluorene	NT	NT	NT	NT	NT	0.144	1,000	mg/kg
Indeno(1,2,3-cd)pyrene	NT	NT	NT	NT	NT	<0.0423	0.22	mg/kg
Naphthalene	NT	NT	NT	NT	NT	<0.0262	23	mg/kg
Pyrene	NT	NT	NT	NT	NT	0.0643 I	1,000	mg/kg
<b>General Chemistry</b>								
pH	NT	NT	NT	NT	8.29	8.94	6-9	su
Percent Moisture	2.33	4.68	3.72	6.35	2.98	19.7	NA	%
Conductivity	NT	NT	NT	NT	0.227	2.6	<4 or 2 x the background	mmhos/cm

mg/kg - milligrams per kilogram  
 NT - parameter was not tested  
 mmhos/cm - millimhos per centimeter  
 su - standard units  
 NA - not applicable

Over allowable limit but under BACKGROUND level.  
 Over allowable limit and not within BACKGROUND level.  
 Over allowable limit

I - sample result was found between method detection limit and reporting limit

June 10, 2011

**Olsson Associates**

**Tim Dobransky**

**826 21 1/2 Road**

**Grand Junction CO 81505**

**Project Name - Siminoe Cuttings  
Sampling**

**Project Number - 011-1144**

Attached are you analytical results for Siminoe Cuttings Sampling received by Origins Laboratory, Inc. June 02, 2011. This project is associated with Origins project number X106008-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods specified in SW-846. The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.  
303.433.1322  
o-squad@oelabinc.com



Olsson Associates  
826 21 1/2 Road  
Grand Junction CO 81505

Project Number: 011-1144  
Project: Siminoe Cuttings Sampling

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S 32-2-L SS1	X106008-01	Soil	June 1, 2011 12:30	06/02/2011 16:15
S 32-2-L SS2	X106008-02	Soil	June 1, 2011 12:50	06/02/2011 16:15
S 32-2-L SS3	X106008-03	Soil	June 1, 2011 12:50	06/02/2011 16:15
S 32-2-L SS4	X106008-04	Soil	June 1, 2011 13:00	06/02/2011 16:15
S 32-2-L SS5	X106008-05	Soil	June 1, 2011 13:20	06/02/2011 16:15
S 32-2-L CS1	X106008-06	Soil	June 1, 2011 13:50	06/02/2011 16:15

Origins Laboratory, Inc.



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Noelle E Doyle, President

Olsson Associates  
 826 21 1/2 Road  
 Grand Junction CO 81505

Project Number: 011-1144  
 Project: Siminoe Cuttings Sampling

www.originslaboratory.com

X100008 page 1 of 1

**ORIGINS**  
 LABORATORY, INC

Client: Olsson Associates  
 Address: 826 21 1/2 Road  
 Telephone Number: 970 263-7800  
 Email Address: Jess Vann 970 250-1320

Project Manager: Tim Dobransky  
 Project Name: Siminoe Cuttings Sampling  
 Project Number: 011-1144  
 Samples Collected By: Jess Vann 970 250-1320

1725 Elk Place | Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative					Matrix			Analysis	Sample Instructions	
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summa #	Other			
S 32-2-L SS1	06-01-11	1230 hrs	1					X					Arsenic	1
S 32-2-L SS2	06-01-11	1250 hrs	1					X					Arsenic	2
S 32-2-L SS3	06-01-11	1250 hrs	1					X					Arsenic	3
S 32-2-L SS4	06-01-11	1300 hrs	1					X					Arsenic	4
S 32-2-L SS5	06-01-11	1320 hrs	5					X					910 metals, EC, pH, SAR	5
S 32-2-L CS1	06-01-11	1350 hrs	5				X				X		910 list for soils	6
													Drilling cuttings	7
														8
														9
														10
Relinquished By: <i>Jess Vann</i>	Date: 06-01-11	Time: 1700		Received By: <i>FEDEX</i>	Date: 6/2/11	Time: 14:15		Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input checked="" type="checkbox"/> Standard						
Relinquished By: <i>[Signature]</i>	Date:	Time:		Received By: <i>[Signature]</i>	Date:	Time:								

Date Results Needed

Origins Laboratory, Inc.



Noelle E Doyle, President

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Olsson Associates  
 826 21 1/2 Road  
 Grand Junction CO 81505

Project Number: 011-1144  
 Project: Siminoe Cuttings Sampling

Origins Laboratory

F-012207-01  
 Effective Date: 01/22/07

**Sample Receipt Checklist**

Origins Work Order: X10000075  
 Client: Olsson Client Project ID: Siminoe  
 Shipped Via: H/D Airbill #: N/A  
(UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Matrix (Check all that apply):  Soil/Solid  Water  Other: \_\_\_\_\_  
(Describe)

Cooler ID	<u>N/A</u>				
Temp (°C)	<u>5.6</u>				

Thermometer ID: 7001

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature just above 0°C to ≤ 6°C <sup>(1)?</sup> NOTE: If samples are delivered within 5 hours of sampling, this requirement is waived provided that there is evidence that cooling has begun.	<input checked="" type="checkbox"/>			
Were all samples received intact <sup>(1)?</sup>	<input checked="" type="checkbox"/>			
Was adequate sample volume provided <sup>(1)?</sup>	<input checked="" type="checkbox"/>			
If custody seals are present, are they intact <sup>(1)?</sup>			<input checked="" type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)?</sup>		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)?</sup>	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received <sup>(1)?</sup>	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC <sup>(1)?</sup>	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)?</sup>	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) <sup>(1)?</sup> Note the type of preservation in the Comments column (e.g., HCl).		<input checked="" type="checkbox"/>		
Additional Comments (if any):				
<b><sup>(1)</sup>If NO, then contact the client before proceeding with analysis and note in the case narrative.</b>				

Ross Harte Signature or Initials of Custodian 01/21/11 Date/Time  
 Custodian Printed Name

Origins Laboratory, Inc.



Noelle E Doyle, President

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Olsson Associates  
 826 21 1/2 Road  
 Grand Junction CO 81505

Project Number: 011-1144  
 Project: Siminoe Cuttings Sampling

S 32-2-L SS1  
 6/1/2011 12:30:00PM

Analyte	Result	Min. Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**XENCO**  
 X106008-01 (Soil)

**Metals by SW6010B**

Arsenic	1.04	0.509	1.02	mg/kg	1	859372	06/07/2011	06/09/2011	
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**Percent Moisture by AD2216A**

Percent Moisture	2.33			%	1	858698	06/03/2011	06/03/2011	
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Origins Laboratory, Inc.



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Noelle E Doyle, President

Olsson Associates  
 826 21 1/2 Road  
 Grand Junction CO 81505

Project Number: 011-1144  
 Project: Siminoe Cuttings Sampling

S 32-2-L SS2

6/1/2011 12:50:00PM

Analyte	Result	Min. Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**XENCO**

X106008-02 (Soil)

**Metals by SW6010B**

Arsenic	4.89	0.53	1.06	mg/kg	1	859372	06/07/2011	06/09/2011	
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**Percent Moisture by AD2216A**

Percent Moisture	4.68			%	1	858698	06/03/2011	06/03/2011	
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Origins Laboratory, Inc.



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Noelle E Doyle, President

Olsson Associates  
 826 21 1/2 Road  
 Grand Junction CO 81505

Project Number: 011-1144  
 Project: Siminoe Cuttings Sampling

S 32-2-L SS3

6/1/2011 12:50:00PM

Analyte	Result	Min. Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**XENCO**

X106008-03 (Soil)

**Metals by SW6010B**

Arsenic	9.72	0.521	1.04	mg/kg	1	859372	06/07/2011	06/09/2011	
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**Percent Moisture by AD2216A**

Percent Moisture	3.72			%	1	858698	06/03/2011	06/03/2011	
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Origins Laboratory, Inc.



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Olsson Associates  
 826 21 1/2 Road  
 Grand Junction CO 81505

Project Number: 011-1144  
 Project: Siminoe Cuttings Sampling

S 32-2-L SS4

6/1/2011 1:00:00PM

Analyte	Result	Min. Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**XENCO**  
 X106008-04 (Soil)

**Metals by SW6010B**

Arsenic	7.18	0.539	1.08	mg/kg	1	859372	06/07/2011	06/09/2011	
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**Percent Moisture by AD2216A**

Percent Moisture	6.35			%	1	858698	06/03/2011	06/03/2011	
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Origins Laboratory, Inc.



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Olsson Associates  
 826 21 1/2 Road  
 Grand Junction CO 81505

Project Number: 011-1144  
 Project: Siminoe Cuttings Sampling

S 32-2-L SS5  
 6/1/2011 1:20:00PM

Analyte	Result	Min. Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**XENCO**  
 X106008-05 (Soil)

**Conductivity by E120.1**

Conductivity	227	1	2	US/CM	1	858785	06/06/2011	06/06/2011	
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**Metals by SW7196**

Chromium, Hexavalent	ND	0.156	0.515	mg/kg	10	859397	06/09/2011	06/09/2011	
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**Metals by SW7471A**

Mercury	0.0165	0.0109	0.0344	mg/kg	1	859045	06/07/2011	06/07/2011	I
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**Metals by SW6010B**

Arsenic	12.2	0.52	1.04	mg/kg	1	859372	06/07/2011	06/09/2011	
Barium	204	0.405	1.04	"	"	"	"	"	
Cadmium	ND	0.177	0.52	"	"	"	"	"	
Chromium	16.7	0.229	1.04	"	"	"	"	"	
Copper	23.4	0.447	2.08	"	"	"	"	"	
Lead	3.14	0.488	1.04	"	"	"	"	"	
Nickel	20.9	0.0966	1.04	"	"	"	"	"	
Selenium	ND	0.644	3.12	"	"	"	"	"	
Silver	ND	0.738	2.08	"	"	"	"	"	
Zinc	63	1.56	3.12	"	"	"	"	"	

Origins Laboratory, Inc.



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Olsson Associates  
 826 21 1/2 Road  
 Grand Junction CO 81505

Project Number: 011-1144  
 Project: Siminoe Cuttings Sampling

S 32-2-L SS5

6/1/2011 1:20:00PM

Analyte	Result	Min. Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**XENCO**  
 X106008-05 (Soil)

**Percent Moisture by AD2216A**

Percent Moisture	2.98			%	1	858698	06/03/2011	06/03/2011	
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**pH by SW9045C**

pH	8.29			SU	1	858876	06/06/2011	06/06/2011	
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**Sodium Absorption Ratio (SAR) by S29B08**

Sodium absorption ratio	0.576				1	859393	06/09/2011	06/09/2011	
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Olsson Associates  
 826 21 1/2 Road  
 Grand Junction CO 81505

Project Number: 011-1144  
 Project: Siminoe Cuttings Sampling

S 32-2-L CS1  
 6/1/2011 1:50:00PM

Analyte	Result	Min. Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
 X106008-06 (Soil)

**BTEX by EPA 8260C**

Benzene	0.0951	0.0020	0.0040	mg/kg	1	1F06007	06/06/2011	06/06/2011	
Toluene	0.185	0.0020	0.0040	"	"	"	"	"	
Ethylbenzene	0.0527	0.0020	0.0040	"	"	"	"	"	
Xylenes, total	0.179	0.0020	0.0040	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	104 %		70-130			"	"	"	
Surrogate: Toluene-d8	99.6 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	82.1 %		70-130			"	"	"	

**Conductivity by E120.1**

Conductivity	2610	1	2	US/CM	1	858785	06/06/2011	06/06/2011	
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**Metals by SW7196**

Chromium, Hexavalent	ND	0.188	0.623	mg/kg	10	859397	06/09/2011	06/09/2011	
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**Metals by SW7471A**

Mercury	0.0266	0.0132	0.0414	mg/kg	1	859045	06/07/2011	06/07/2011	I
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**Metals by SW6010B**

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 Grand Junction CO 81505

Project Number: 011-1144  
 Project: Siminoe Cuttings Sampling

S 32-2-L CS1  
 6/1/2011 1:50:00PM

Analyte	Result	Min. Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**XENCO**  
 X106008-06 (Soil)

**Metals by SW6010B**

Arsenic	8.94	0.62	1.24	mg/kg	1	859372	06/07/2011	06/09/2011	
Barium	181	0.484	1.24	"	"	"	"	"	
Cadmium	ND	0.211	0.62	"	"	"	"	"	
Chromium	20.5	0.273	1.24	"	"	"	"	"	
Copper	23.4	0.533	2.48	"	"	"	"	"	
Lead	10.4	0.583	1.24	"	"	"	"	"	
Nickel	24.5	0.115	1.24	"	"	"	"	"	
Selenium	ND	0.769	3.72	"	"	"	"	"	
Silver	ND	0.881	2.48	"	"	"	"	"	
Zinc	98	1.86	3.72	"	"	"	"	"	

**Percent Moisture by AD2216A**

Percent Moisture	19.7			%	1	858698	06/03/2011	06/03/2011	
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**pH by SW9045C**

pH	8.94			SU	1	858876	06/06/2011	06/06/2011	
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**Polyaromatic Hydrocarbons (PaHs) by SW8270C**

Acenaphthene	ND	0.0274	0.125	mg/kg	1	858900	06/06/2011	06/06/2011	
Anthracene	ND	0.0436	0.125	"	"	"	"	"	

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Project Number: 011-1144  
 Project: Siminoe Cuttings Sampling

S 32-2-L CS1  
 6/1/2011 1:50:00PM

Analyte	Result	Min. Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**XENCO**  
 X106008-06 (Soil)

**Polyaromatic Hydrocarbons (PaHs) by SW8270C**

Benzo(a)anthracene	ND	0.0349	0.125	mg/kg	1	858900	06/06/2011	06/06/2011	
Benzo(a)pyrene	ND	0.0311	0.0822	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.0249	0.125	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.0411	0.125	"	"	"	"	"	
Chrysene	ND	0.0286	0.125	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.0336	0.0822	"	"	"	"	"	
Fluoranthene	ND	0.0473	0.125	"	"	"	"	"	
Fluorene	0.144	0.0286	0.125	"	"	"	"	"	
Indeno(1,2,3-c,d)Pyrene	ND	0.0423	0.125	"	"	"	"	"	
Naphthalene	ND	0.0262	0.125	"	"	"	"	"	
Pyrene	0.0643	0.0411	0.125	"	"	"	"	"	I

Surrogate: 2-Fluorobiphenyl	86 %	47-100	"	"	"
Surrogate: Nitrobenzene-d5	78 %	44-97	"	"	"
Surrogate: Terphenyl-D14	112 %	41-113	"	"	"

**Sodium Absorption Ratio (SAR) by S29B08**

Sodium absorption ratio	0.597	1	859393	06/09/2011	06/09/2011
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Project Number: 011-1144  
 Project: Siminoe Cuttings Sampling

S 32-2-L CS1  
 6/1/2011 1:50:00PM

Analyte	Result	Min. Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X106008-06 (Soil)

**TPH-Carbon Chain by EPA Method 8015M**

Gasoline (C6-C10)	ND	25	50	mg/kg	1	1F07002	06/07/2011	06/07/2011	
Diesel (C10-C28)	ND	25	50	"	"	"	"	"	
Residual Range Organics (C28-C36)	ND	100	200	"	"	"	"	"	
TPH - Carbon Chain Total	ND	25	50	"	"	"	"	"	

Surrogate: o-Terphenyl	76.2 %		65-140			"	"	"	
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Project Number: 011-1144  
 Project: Siminoe Cuttings Sampling

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control  
 Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1F06007 - EPA 5030B

Blank (1F06007-BLK1)

Prepared: 06/06/2011 Analyzed: 06/06/2011

Benzene	ND	0.004	mg/kg							
Toluene	ND	0.004	"							
Ethylbenzene	ND	0.004	"							
m,p-Xylene	ND	0.008	"							
o-Xylene	ND	0.004	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>65</i>		<i>ug/L</i>	<i>62.5</i>		<i>103</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>64</i>		<i>"</i>	<i>62.5</i>		<i>102</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>60</i>		<i>"</i>	<i>62.5</i>		<i>96.1</i>	<i>70-130</i>			

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Project Number: 011-1144  
 Project: Siminoe Cuttings Sampling

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control  
 Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1F06007 - EPA 5030B

LCS (1F06007-BS1)

Prepared: 06/06/2011 Analyzed: 06/06/2011

Benzene	0.2	0.004	mg/kg	0.200		105	70-130			
Toluene	0.2	0.004	"	0.200		103	70-130			
Ethylbenzene	0.2	0.004	"	0.200		96.7	70-130			
m,p-Xylene	0.4	0.008	"	0.400		88.6	70-130			
o-Xylene	0.2	0.004	"	0.200		93.0	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>66</i>		<i>ug/L</i>	<i>62.5</i>		<i>106</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>66</i>		<i>"</i>	<i>62.5</i>		<i>106</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>59</i>		<i>"</i>	<i>62.5</i>		<i>95.1</i>	<i>70-130</i>			

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 Project: Siminoe Cuttings Sampling

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control  
 Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1F06007 - EPA 5030B

Matrix Spike (1F06007-MS1)

Source: X106008-06

Prepared: 06/06/2011 Analyzed: 06/06/2011

Benzene	0.2	0.004	mg/kg	0.200	0.1	75.5	70-130			
Toluene	0.3	0.004	"	0.200	0.2	43.0	70-130			QM-07
Ethylbenzene	0.2	0.004	"	0.200	0.05	66.3	70-130			QM-07
m,p-Xylene	0.4	0.008	"	0.400	0.1	59.5	70-130			QM-07
o-Xylene	0.2	0.004	"	0.200	0.06	62.7	70-130			QM-07
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>66</i>		<i>ug/L</i>	<i>62.5</i>		<i>106</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>63</i>		<i>"</i>	<i>62.5</i>		<i>101</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>55</i>		<i>"</i>	<i>62.5</i>		<i>88.4</i>	<i>70-130</i>			

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Project Number: 011-1144  
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Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control  
 Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1F06007 - EPA 5030B

Matrix Spike Dup (1F06007-MSD1)

Source: X106008-06

Prepared: 06/06/2011 Analyzed: 06/06/2011

Benzene	0.3	0.004	mg/kg	0.200	0.1	79.8	70-130	3.42	20	
Toluene	0.3	0.004	"	0.200	0.2	42.9	70-130	0.118	20	QM-07
Ethylbenzene	0.2	0.004	"	0.200	0.05	70.4	70-130	4.37	20	
m,p-Xylene	0.4	0.008	"	0.400	0.1	62.5	70-130	3.29	20	QM-07
o-Xylene	0.2	0.004	"	0.200	0.06	67.3	70-130	4.71	20	QM-07
Surrogate: 1,2-Dichloroethane-d4	67		ug/L	62.5		107	70-130			
Surrogate: Toluene-d8	64		"	62.5		103	70-130			
Surrogate: 4-Bromofluorobenzene	56		"	62.5		89.3	70-130			

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**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Extractable Petroleum Hydrocarbons by 8015M - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1F07002 - Default Prep GC-Semi**

**Blank (1F07002-BLK1)** Prepared: 06/07/2011 Analyzed: 06/07/2011

Residual Range Organics (C28-C36)	ND	200	mg/kg							
<i>Surrogate: o-Terphenyl</i>	36		g	50.0	72.0		65-140			

**Blank (1F07002-BLK2)** Prepared: 06/07/2011 Analyzed: 06/07/2011

Residual Range Organics (C28-C36)	ND	200	mg/kg							
TPH - Carbon Chain Total	38	50	"							
<i>Surrogate: o-Terphenyl</i>	38		g	50.0	75.9		65-140			

**LCS (1F07002-BS1)** Prepared: 06/07/2011 Analyzed: 06/07/2011

<i>Surrogate: o-Terphenyl</i>	37		g	50.0	74.4		65-140			
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**LCS (1F07002-BS2)** Prepared: 06/07/2011 Analyzed: 06/07/2011

<i>Surrogate: o-Terphenyl</i>	36		g	50.0	72.9		65-140			
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**Matrix Spike (1F07002-MS1)** Source: X106008-06 Prepared: 06/07/2011 Analyzed: 06/07/2011

<i>Surrogate: o-Terphenyl</i>	38		g	50.0	75.8		65-140			
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**Matrix Spike (1F07002-MS2)** Source: X106019-01 Prepared: 06/07/2011 Analyzed: 06/07/2011

<i>Surrogate: o-Terphenyl</i>	37		g	50.0	73.2		65-140			
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**Matrix Spike Dup (1F07002-MSD1)** Source: X106008-06 Prepared: 06/07/2011 Analyzed: 06/07/2011

<i>Surrogate: o-Terphenyl</i>	36		g	50.0	72.2		65-140			
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**Matrix Spike Dup (1F07002-MSD2)** Source: X106019-01 Prepared: 06/07/2011 Analyzed: 06/07/2011

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 Grand Junction CO 81505

Project Number: 011-1144  
 Project: Siminoe Cuttings Sampling

Extractable Petroleum Hydrocarbons by 8015M - Quality Control  
 Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1F07002 - Default Prep GC-Semi										
<i>Surrogate: o-Terphenyl</i>	41		g	50.0		81.9	65-140			

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Project Number: 011-1144  
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Conductivity by E120.1 - Quality Control  
 XENCO

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 858785 - NONE										
LCS (858785-1-BKS)			Source: 858785-1-BKS			Prepared: 06/06/2011 Analyzed: 06/06/2011				
Conductivity	1330	2	US/CM	1420	<1.00	94	80-120		20	
BLANK (858785-1-BLK)			Source: 858785-1-BLK			Prepared: 06/06/2011 Analyzed: 06/06/2011				
Conductivity	ND	2	US/CM	0			-		20	

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Metals by SW7196 - Quality Control  
 XENCO

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 859397 - SW3060A</b>										
<b>MS (418652-005 S)</b>		<b>Source: 418652-005 S</b>			<b>Prepared: 06/09/2011 Analyzed: 06/09/2011</b>					
Chromium, Hexavalent	2.51	0.515	mg/kg	2.58	<0.156	97	80-120		20	
<b>LCS (859397-1-BKS)</b>		<b>Source: 859397-1-BKS</b>			<b>Prepared: 06/09/2011 Analyzed: 06/09/2011</b>					
Chromium, Hexavalent	2.3	0.5	mg/kg	2.5	<0.151	92	80-120		20	
<b>BLANK (859397-1-BLK)</b>		<b>Source: 859397-1-BLK</b>			<b>Prepared: 06/09/2011 Analyzed: 06/09/2011</b>					
Chromium, Hexavalent	ND	0.5	mg/kg	2.5			-		20	

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Metals by SW7471A - Quality Control  
 XENCO

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 859045 - SW7471P</b>										
<b>MS (418425-001 S)</b>		<b>Source: 418425-001 S</b>			<b>Prepared: 06/07/2011 Analyzed: 06/07/2011</b>					
Mercury	0.145	0.0333	mg/kg	0.133	0.0267	89	75-125		20	
<b>MSD (418425-001 SD)</b>		<b>Source: 418425-001 SD</b>			<b>Prepared: 06/07/2011 Analyzed: 06/07/2011</b>					
Mercury	0.145	0.0335	mg/kg	0.134	0.0267	88	75-125	0	20	
<b>LCS (604358-1-BKS)</b>		<b>Source: 604358-1-BKS</b>			<b>Prepared: 06/07/2011 Analyzed: 06/07/2011</b>					
Mercury	0.125	0.0333	mg/kg	0.133	<0.0106	94	75-125		20	
<b>BLANK (604358-1-BLK)</b>		<b>Source: 604358-1-BLK</b>			<b>Prepared: 06/07/2011 Analyzed: 06/07/2011</b>					
Mercury	ND	0.0333	mg/kg	0.133			-		20	

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Project Number: 011-1144  
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Percent Moisture by AD2216A - Quality Control  
 XENCO

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 858698 - NONE										
BLANK (858698-1-BLK)		Source: 858698-1-BLK			Prepared: 06/03/2011 Analyzed: 06/03/2011					
Percent Moisture	ND	1	%	0			-		20	

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Project Number: 011-1144  
 Project: Siminoe Cuttings Sampling

Polyaromatic Hydrocarbons (PaHs) by SW8270C - Quality Control  
 XENCO

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 858900 - SW3550

MS (418659-001 S) Source: 418659-001 S Prepared: 06/06/2011 Analyzed: 06/06/2011

Benzo(b)fluoranthene	1.7	0.11	mg/kg	1.83	<0.0219	93	49-109		20	
Benzo(k)fluoranthene	2.09	0.11	"	1.83	<0.0362	114	18-142		20	
Dibenz(a,h)anthracene	1.75	0.0724	"	1.83	<0.0296	96	48-113		20	
Chrysene	1.74	0.11	"	1.83	<0.0252	95	51-123		20	
Benzo(a)pyrene	1.68	0.0724	"	1.83	<0.0274	92	44-115		20	
Benzo(a)anthracene	1.84	0.11	"	1.83	<0.0307	101	47-115		20	
Anthracene	1.67	0.11	"	1.83	<0.0384	91	46-108		20	
Fluoranthene	1.91	0.11	"	1.83	<0.0417	104	47-116		20	
Acenaphthene	1.67	0.11	"	1.83	<0.0241	91	46-108		20	
Indeno(1,2,3-c,d)Pyrene	1.74	0.11	"	1.83	<0.0373	95	50-109		30	
Naphthalene	1.63	0.11	"	1.83	<0.0230	89	45-104		20	
Pyrene	1.77	0.11	"	1.83	<0.0362	97	49-104		20	
Fluorene	1.81	0.11	"	1.83	<0.0252	99	48-108		20	

Surrogate: 2-Fluorobiphenyl	1.29		PERCENT	1.67		77	47-100			
			T							
Surrogate: Terphenyl-D14	1.65		"	1.67		99	41-113			
Surrogate: Nitrobenzene-d5	1.2		"	1.67		72	44-97			

MSD (418659-001 SD) Source: 418659-001 SD Prepared: 06/06/2011 Analyzed: 06/06/2011

Fluoranthene	1.79	0.11	mg/kg	1.83	<0.0417	98	47-116	6	20	
Pyrene	1.82	0.11	"	1.83	<0.0362	99	49-104	3	20	
Naphthalene	1.48	0.11	"	1.83	<0.0230	81	45-104	10	20	
Fluorene	1.74	0.11	"	1.83	<0.0252	95	48-108	4	20	
Benzo(a)anthracene	1.97	0.11	"	1.83	<0.0307	108	47-115	7	20	
Acenaphthene	1.62	0.11	"	1.83	<0.0241	89	46-108	3	20	
Chrysene	1.67	0.11	"	1.83	<0.0252	91	51-123	4	20	
Benzo(k)fluoranthene	2.13	0.11	"	1.83	<0.0362	116	18-142	2	20	
Benzo(b)fluoranthene	1.63	0.11	"	1.83	<0.0219	89	49-109	4	20	

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Noelle E Doyle, President

Olsson Associates  
 826 21 1/2 Road  
 Grand Junction CO 81505

Project Number: 011-1144  
 Project: Siminoe Cuttings Sampling

**Polyaromatic Hydrocarbons (PaHs) by SW8270C - Quality Control**  
**XENCO**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 858900 - SW3550</b>										
<b>MSD (418659-001 SD)</b>			<b>Source: 418659-001 SD</b>			<b>Prepared: 06/06/2011 Analyzed: 06/06/2011</b>				
Benzo(a)pyrene	1.69	0.0724	mg/kg	1.83	<0.0274	92	44-115	1	20	
Dibenz(a,h)anthracene	1.77	0.0724	"	1.83	<0.0296	97	48-113	1	20	
Anthracene	1.62	0.11	"	1.83	<0.0384	89	46-108	3	20	
Indeno(1,2,3-c,d)Pyrene	1.76	0.11	"	1.83	<0.0373	96	50-109	1	30	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1.27</i>		<i>PERCENT</i>	<i>1.67</i>		<i>76</i>	<i>47-100</i>			
<i>Surrogate: Terphenyl-D14</i>	<i>1.7</i>		<i>"</i>	<i>1.67</i>		<i>102</i>	<i>41-113</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1.15</i>		<i>"</i>	<i>1.67</i>		<i>69</i>	<i>44-97</i>			
<b>LCS (604293-1-BKS)</b>			<b>Source: 604293-1-BKS</b>			<b>Prepared: 06/06/2011 Analyzed: 06/06/2011</b>				
Fluorene	1.35	0.1	mg/kg	1.67	<0.0230	81	48-108		20	
Indeno(1,2,3-c,d)Pyrene	1.35	0.1	"	1.67	<0.0340	81	50-109		30	
Naphthalene	1.23	0.1	"	1.67	<0.0210	74	45-104		20	
Fluoranthene	1.44	0.1	"	1.67	<0.0380	86	47-116		20	
Benzo(b)fluoranthene	1.39	0.1	"	1.67	<0.0200	83	49-109		20	
Pyrene	1.42	0.1	"	1.67	<0.0330	85	49-104		20	
Benzo(k)fluoranthene	1.56	0.1	"	1.67	<0.0330	93	18-142		20	
Benzo(a)pyrene	1.34	0.066	"	1.67	<0.0250	80	44-115		20	
Benzo(a)anthracene	1.42	0.1	"	1.67	<0.0280	85	47-115		20	
Anthracene	1.3	0.1	"	1.67	<0.0350	78	46-108		20	
Acenaphthene	1.28	0.1	"	1.67	<0.0220	77	46-108		20	
Chrysene	1.39	0.1	"	1.67	<0.0230	83	51-123		20	
Dibenz(a,h)anthracene	1.35	0.066	"	1.67	<0.0270	81	48-113		20	
<i>Surrogate: Nitrobenzene-d5</i>	<i>1.1</i>		<i>PERCENT</i>	<i>1.67</i>		<i>66</i>	<i>44-97</i>			
<i>Surrogate: Terphenyl-D14</i>	<i>1.57</i>		<i>"</i>	<i>1.67</i>		<i>94</i>	<i>41-113</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1.25</i>		<i>"</i>	<i>1.67</i>		<i>75</i>	<i>47-100</i>			
<b>BLANK (604293-1-BLK)</b>			<b>Source: 604293-1-BLK</b>			<b>Prepared: 06/06/2011 Analyzed: 06/06/2011</b>				

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Noelle E Doyle, President

Olsson Associates  
 826 21 1/2 Road  
 Grand Junction CO 81505

Project Number: 011-1144  
 Project: Siminoe Cuttings Sampling

Polyaromatic Hydrocarbons (PaHs) by SW8270C - Quality Control  
 XENCO

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 858900 - SW3550</b>										
Fluorene	ND	0.1	mg/kg	1.67			-		20	
Indeno(1,2,3-c,d)Pyrene	ND	0.1	"	1.67			-		30	
Naphthalene	ND	0.1	"	1.67			-		20	
Fluoranthene	ND	0.1	"	1.67			-		20	
Pyrene	ND	0.1	"	1.67			-		20	
Benzo(a)pyrene	ND	0.066	"	1.67			-		20	
Dibenz(a,h)anthracene	ND	0.066	"	1.67			-		20	
Chrysene	ND	0.1	"	1.67			-		20	
Benzo(b)fluoranthene	ND	0.1	"	1.67			-		20	
Benzo(a)anthracene	ND	0.1	"	1.67			-		20	
Anthracene	ND	0.1	"	1.67			-		20	
Acenaphthene	ND	0.1	"	1.67			-		20	
Benzo(k)fluoranthene	ND	0.1	"	1.67			-		20	
<i>Surrogate: Terphenyl-D14</i>	<i>1.65</i>		<i>PERCENT</i>	<i>1.67</i>		<i>99</i>	<i>41-113</i>			
			<i>T</i>							
<i>Surrogate: Nitrobenzene-d5</i>	<i>1.15</i>		<i>"</i>	<i>1.67</i>		<i>69</i>	<i>44-97</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1.24</i>		<i>"</i>	<i>1.67</i>		<i>74</i>	<i>47-100</i>			

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Grand Junction CO 81505

Project Number: 011-1144  
Project: Siminoe Cuttings Sampling

### Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- I Sample result was found between MDL and RL
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference

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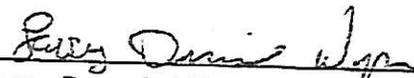
Noelle E Doyle, President

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PERMISSION TO LANDFARM  
DRILLING CUTTINGS

SIMINOE 32-2 WELL

As Landowner(s) of the property, I/we hereby allow Fram Operating, LLC to use the well cuttings stored on this location to be included in the reclamation, restoration and seeding process.

  
Larry Dennis Wynn, Landowner

  
Lora Wynn, Landowner

9-26-2011  
Date

September 26, 2011  
Date

**PERMISSION TO LANDFARM  
DRILLING CUTTINGS**

**SIMINOE 32-2 WELL**

As Landowner(s) of the property, I/we hereby allow Fram Operating, LLC to use the well cuttings stored on this location to be included in the reclamation, restoration and seeding process.

  
\_\_\_\_\_

Kellee Kissinger, Landowner

\_\_\_\_\_

Date

9/16/11

\_\_\_\_\_

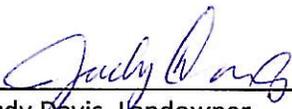
\_\_\_\_\_

Date

PERMISSION TO LANDFARM  
DRILLING CUTTINGS

SIMINOE 32-2 WELL

As Landowner(s) of the property, I/we hereby allow Fram Operating, LLC to use the well cuttings stored on this location to be included in the reclamation, restoration and seeding process.

  
\_\_\_\_\_  
Judy Davis, Landowner

\_\_\_\_\_

9-15-11  
\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

PERMISSION TO LANDFARM  
DRILLING CUTTINGS

SIMINOE 32-2 WELL

As Landowner(s) of the property, I/we hereby allow Fram Operating, LLC to use the well cuttings stored on this location to be included in the reclamation, restoration and seeding process.

  
\_\_\_\_\_  
Vincent L. Siminoe, Landowner

09/15/11  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Julie Siminoe, Landowner

09/15/11  
\_\_\_\_\_  
Date