

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303)894-2100 Fax: (303)894-2109



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.)

Revised
DOC #2215976

Received 7/25/2012
Rifle COGCC

1. OGCC Operator Number: 66561	4. Contact Name: Daniel I. Padilla	Complete the Attachment Checklist OP OGCC
2. Name of Operator: OXY USA Inc.	Phone: 970.263.3637	
3. Address: 760 Horizon Drive, Suite 101 City: Grand Junction State: CO Zip: 81506	Fax: 970.263.3694	
5. API Number 05-	OGCC Facility ID Number 334499	Survey Plat
6. Well/Facility Name: Wood Spangler (Res. Pit)	7. Well/Facility Number 15-13	Directional Survey
8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): SWSW, Sec 15, T9S, R94W, 6th PM		Surface Eqpm Diagram
9. County: Mesa	10. Field Name: Brush Creek	Technical Info Page <input checked="" type="checkbox"/>
11. Federal, Indian or State Lease Number:		Other Lab data, Map <input checked="" type="checkbox"/>

General Notice

<input type="checkbox"/> 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"/> FNL/FSL <input type="checkbox"/> FEL/FWL
Change of Surface Footage to Exterior Section Lines:	<input type="checkbox"/> <input type="checkbox"/>
Change of Bottomhole Footage from Exterior Section Lines:	<input type="checkbox"/> <input type="checkbox"/>
Change of Bottomhole Footage to Exterior Section Lines:	<input type="checkbox"/> <input type="checkbox"/> attach directional survey
Bottomhole location Qtr/Qtr, Sec, Twp, Rng, Mer	
Latitude	Distance to nearest property line
Longitude	Distance to nearest bldg, public rd, utility or RR
Ground Elevation	Distance to nearest lease line
	Is location in a High Density Area (rule 603b)? Yes/No <input type="checkbox"/>
	Distance to nearest well same formation
	Surface owner consultation date:
GPS DATA:	
Date of Measurement	PDOP Reading
	Instrument Operator's Name
<input type="checkbox"/> CHANGE SPACING UNIT	
Formation	Formation Code
Spacing order number	Unit Acreage
Unit configuration	
<input type="checkbox"/> Remove from surface bond	
Signed surface use agreement attached	
<input type="checkbox"/> CHANGE OF OPERATOR (prior to drilling):	
Effective Date:	
Plugging Bond: <input type="checkbox"/> Blanket <input type="checkbox"/> Individual	
<input type="checkbox"/> CHANGE WELL NAME	
From:	NUMBER
To:	
Effective Date:	
<input type="checkbox"/> ABANDONED LOCATION:	
Was location ever built? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Is site ready for inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date Ready for Inspection:	
<input type="checkbox"/> NOTICE OF CONTINUED SHUT IN STATUS	
Date well shut in or temporarily abandoned:	
Has Production Equipment been removed from site? <input type="checkbox"/> Yes <input type="checkbox"/> No	
MIT required if shut in longer than two years. Date of last MIT	
<input type="checkbox"/> SPUD DATE:	
<input type="checkbox"/> REQUEST FOR CONFIDENTIAL STATUS (6 mos from date casing set)	
<input type="checkbox"/> 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
<input type="checkbox"/> RECLAMATION: Attach technical page describing final reclamation procedures per Rule 1004.	
Final reclamation will commence on approximately	
<input type="checkbox"/> Final reclamation is completed and site is ready for inspection.	

Technical Engineering/Environmental Notice

<input type="checkbox"/> Notice of Intent		<input type="checkbox"/> Report of Work Done	
Approximate Start Date:		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 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: Application of diff. standard	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: [Signature] Date: 7/23/12 Email: daniel_padilla@oxy.com
Print Name: Daniel I. Padilla Title: Regulatory Advisor

COGCC Approved: _____ Title: NW EPS II Date: 10/12/2012
CONDITIONS OF APPROVAL, IF ANY: _____

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

1. OGCC Operator Number:	_____	API Number:	_____
2. Name of Operator:	_____	OGCC Facility ID #	_____
3. Well/Facility Name:	_____	Well/Facility Number:	_____
4. Location (QtrQtr, Sec, Twp, Rng, Meridian):			

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

OXY USA Inc. (Oxy) has completed reclamation of the above-mentioned reserve pit and requests to apply a different standard (see table on next page) to the COGCC Table 910-1 concentration levels for Arsenic (As). Based on post reclamation levels for As being below undisturbed background levels, Oxy's sundry requests to waive the COGCC Table 910-1 concentration for As. In this particular situation, the below the pit liner (Post Reclaim 10/20/2009) concentration for As is above COGCC Table 910-1 standards, but is below undisturbed background levels (see sampling locations on included location map).

The sampling method Oxy employed was to take a representative random grab sample for each background sample location. The analytical concentrations table identifies the COGCC Table 910-1 concentration levels, Oxy's undisturbed background concentrations, and Oxy's post reclamation concentrations (Post Reclaim 10/20/2009). Based on the background sample concentrations, Oxy's sundry notice request to apply different standards to the COGCC Table 910-1 concentration levels.

The reclaimed pit was contoured to be level with the pad grade to minimize stormwater runoff, during operational phase of the pad. Final pad reclamation will occur at the end of the life of the pad.



Pit Sample Locations ●
Background sample locations ●
Approximate Location of Pit



MEMORANDUM

To: File

From: Padilla, Daniel I., Regulatory

CC:

Date: 07/06/2011

Subject: Reserve Pit Closure Wood Spangler 15-13

This memorandum documents Oxy's reserve pit closure located on the Wood Spangler 15-13 pad. The pad is located in SWSW, Section 15, Township 9S, Range 94W, Mesa County, Colorado. The pad is fee owned. In accordance with COGCC rules in effect at the time of pit closure, specifically Rules 907.a, b, and c, 909 a, b, e. Rule 910 a, & b. The pit was backfilled and soil samples collected to verify compliance with COGCC Table 910-1. The analytical results confirm that the pit met allowable concentration levels for all analytes except for Arsenic (As). Based on the analytical results, background samples were collected to account for the elevated levels of As post reclamation. The background samples revealed As levels that were greater than or equal to the post reclamation As levels. Oxy will submit a Form 4 Sundry notice to request that the COGCC allow this pit to be closed as is.

Additional information as follows:

- This reserve pit supported drilling and initial completion activities for up to 7 wells, which include:
 - Woods-Spangler 22-4, API # 05-077-09162
 - Woods-Spangler 21-1, API # 05-077-09163
 - Woods-Spangler 15-14, API # 05-077-09164
 - Woods-Spangler 15-13, API # 05-077-09165
 - Woods-Spangler 15-12, API # 05-077-09166
 - Woods-Spangler 15-11, API # 05-077-09167
 - Woods-Spangler 16-16, API # 05-077-09214
- The pit bottom was sampled for closure October 20, 2009 by Walsh Environmental Scientists and Engineers, LLC. Based on the sampling results of the pit bottom, except for As, all analytes were found to be below allowable concentration levels per the COGCC's table 910-1 rules that went into effect after the 2008 amended rules, which went into effect on April 1, 2009 for fee lands and July 1, 2009 for federal lands. The tabulated and original analytical lab data is attached.
- Background sampling was conducted on May 06, 2010 by Walsh Environmental Scientists and Engineers, LLC. Background samples revealed As levels that were greater than or equal to the post reclaim values. The tabulated and original analytical lab data is attached.
- Final reclamation of the pad will be completed once the last producing well on this pad has been P&A'ed.

Attachments: Tabulated laboratory analytical data
Laboratory Analytical Report

Pit Reclaims - Collbran

Pad #:	Wood Spangler 15-13
Sample Date:	6/19/2009
Clearance Achieved Date:	

		Sample Identifications (mg/kg)							
	MCL (mg/kg)	Post Reclaim	Background	Re-sample PR (for As primarily - 10/20/09)	Background (10/20/09)	Background - W (05-06-10)	Background - N (05-06-10)	Background - E (05-06-10)	Background - S (05-06-10)
Organics in Soil									
TPH (GRO and DRO)	500	43	12	1.44	-	-	-	-	-
Benzene	0.17	<0.00082	<0.00082	<0.00090	-	-	-	-	-
Toluene	85	<0.0082	<0.0082	<0.0015	-	-	-	-	-
Ethylbenzene	100	<0.00082	0.0010	<0.0013	-	-	-	-	-
Xylenes	175	<0.0025	0.0026	<0.0028	-	-	-	-	-
Organics in Soil (PAH's)									
Acenaphthene	1000	<0.010	<0.010	<0.011	-	-	-	-	-
Anthracene	1000	<0.0080	<0.0080	<0.0093	-	-	-	-	-
Benzo(A)anthracene	0.22	<0.0086	<0.0086	<0.0077	-	-	-	-	-
Benzo(B)fluoranthene	0.22	<0.013	<0.013	<0.0078	-	-	-	-	-
Benzo(K)fluoranthene	2.2	<0.011	<0.011	<0.012	-	-	-	-	-
Benzo(A)pyrene	0.022	<0.0092	<0.0092	<0.0074	-	-	-	-	-
Chrysene	22	<0.011	<0.011	<0.0091	-	-	-	-	-
Dibenzo(A,H)anthracene	0.022	<0.0093	<0.0093	<0.011	-	-	-	-	-
Fluoranthene	1000	<0.0076	<0.0076	<0.0079	-	-	-	-	-
Flourene	1000	0.016	<0.011	<0.0095	-	-	-	-	-
Indeno(1,2,3,C,D)pyrene	0.22	<0.0099	<0.0099	<0.011	-	-	-	-	-
Napthalene	23	0.043	<0.0081	0.036	-	-	-	-	-
Pyrene	1000	<0.010	<0.010	<0.0089	-	-	-	-	-
Inorganics in Soil									
EC	<4 mmhos/cm or 2X background	0.530	0.026	0.700	0.100	-	-	-	-
SAR	<12	9.4	1.8	8.6	0.4	-	-	-	-
pH	6-9	7.9	6.7	8.7	7.2	-	-	-	-
Metals in Soils									
Arsenic	0.39	1.5	0.39	3.4	1.7	5.4	4.8	4.2	4.4
Barium	15000	1700	150	4560	-	-	-	-	-
Boron (Hot Water Soluble)	2 (mg/L)	0.5	0.4	1.01	-	-	-	-	-
Cadmium	70	0.73	0.74	0.50	-	-	-	-	-
Chromium	12000	19.0	18.0	18.0	-	-	-	-	-
Chromium VI	23	<1.0	<0.21	<0.10	-	-	-	-	-
Copper	3100	13.0	9.8	16.0	-	-	-	-	-
Lead	400	13	15	23	-	-	-	-	-
Mercury	23	0.018	0.014	0.018	-	-	-	-	-
Nickel	1600	13.0	12.0	14.0	-	-	-	-	-
Selenium	390	<0.33	<0.33	<3.2	-	-	-	-	-
Silver	390	<0.16	<0.16	<0.16	-	-	-	-	-
Zinc	23000	40.0	39.0	39.0	-	-	-	-	-



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Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

Report Summary

Tuesday May 11, 2010

Report Number: L458025

Samples Received: 05/08/10

Client Project:

Description: Pit Reclaims - Collbran

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A

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Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

May 11, 2010

Date Received : May 08, 2010
Description : Pit Reclaims - Collbran
Sample ID : WOOD SPANGLER 15-13 BG-W 0-6 IN
Collected By : Brett Kennedy
Collection Date : 05/06/10 12:48

ESC Sample # : L458025-01

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	5.4	0.32	1.0	mg/kg		6010B	05/11/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 05/11/10 14:26 Printed: 05/11/10 14:27



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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

May 11, 2010

Date Received : May 08, 2010
Description : Pit Reclaims - Collbran
Sample ID : WOOD SPANGLER 15-13 BG-N 0-6 IN
Collected By : Brett Kennedy
Collection Date : 05/06/10 12:52

ESC Sample # : L458025-02

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	4.8	0.32	1.0	mg/kg		6010B	05/11/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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Reported: 05/11/10 14:26 Printed: 05/11/10 14:27



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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

May 11, 2010

Date Received : May 08, 2010
Description : Pit Reclaims - Collbran
Sample ID : WOOD SPANGLER 15-13 BG-E 0-6 IN
Collected By : Brett Kennedy
Collection Date : 05/06/10 12:56

ESC Sample # : L458025-03

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	4.2	0.32	1.0	mg/kg		6010B	05/11/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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Reported: 05/11/10 14:26 Printed: 05/11/10 14:27



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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

May 11, 2010

Date Received : May 08, 2010
Description : Pit Reclaims - Collbran
Sample ID : WOOD SPANGLER 15-13 BG-S 0-6 IN
Collected By : Brett Kennedy
Collection Date : 05/06/10 13:01

ESC Sample # : L458025-04

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	4.4	0.32	1.0	mg/kg		6010B	05/11/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

The reported analytical results relate only to the sample submitted.



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Reported: 05/11/10 14:26 Printed: 05/11/10 14:27

Summary of Remarks For Samples Printed
05/11/10 at 14:27:07

TSR Signing Reports: 134
R4 - Rush: Three Day

Sample: L458025-01 Account: OXYGJCO Received: 05/08/10 09:00 Due Date: 05/12/10 00:00 RPT Date: 05/11/10 14:26
Sample: L458025-02 Account: OXYGJCO Received: 05/08/10 09:00 Due Date: 05/12/10 00:00 RPT Date: 05/11/10 14:26
Sample: L458025-03 Account: OXYGJCO Received: 05/08/10 09:00 Due Date: 05/12/10 00:00 RPT Date: 05/11/10 14:26
Sample: L458025-04 Account: OXYGJCO Received: 05/08/10 09:00 Due Date: 05/12/10 00:00 RPT Date: 05/11/10 14:26

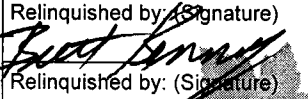

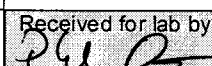
Company Name/Address: OXY USA - Grand Junction, CO 760 Horizon Dr., Ste. 101 Grand Junction, CO 81506			Alternate billing information:			Analysis/Container/Preservative				Chain of Custody Page <u>1</u> of <u>1</u> Prepared by: D237  ENVIRONMENTAL SCIENCE CORP. 12065 Lebanon Road Mt. Juliet, TN 37122 Phone (615) 758-5858 Phone (800) 767-5859 FAX (615) 758-5859		
Report to: <u>Brett Kennedy</u>			Email to: <u>brett_kennedy@oxy.com</u>									
Project Description: <u>Pit Reclaims - Lollbran</u>			City/State Collected: <u> </u>									
Phone: (970) 263-3601		Client Project #:		ESC Key:								
FAX:												
Collected by: <u>Brett Kennedy</u>		Site/Facility ID#:		P.O.#:								
Collected by (signature):  Immediately Packed on Ice N <u> </u> Y <u> ✓ </u>		Rush? (Lab MUST Be Notified) <input type="checkbox"/> Same Day.....200% <input type="checkbox"/> Next Day.....100% <input type="checkbox"/> Two Day.....50% <input checked="" type="checkbox"/> Three Day.....25%		Date Results Needed: Email? <u> </u> No <u> </u> Yes FAX? <u> </u> No <u> </u> Yes		No. of Cntrs		CoCode: OXYGJCO (lab use only) Template/Prelogin Shipped Via:				
Sample ID		Comp/Grab	Matrix*	Depth	Date	Time					Remarks/Contaminant	Sample # (lab only)
<u>Wood Spangler 15-13 BG-W</u>		<u>Grab</u>	<u>SS</u>	<u>0-6"</u>	<u>5/6/10</u>	<u>1248</u>	<u>1</u>	<u>✓</u>			<u>L458025-01</u>	
<u>Wood Spangler 15-13 BG-N</u>		<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>1252</u>	<u>1</u>	<u>✓</u>			<u>02</u>	
<u>Wood Spangler 15-13 BG-E</u>		<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>1256</u>	<u>1</u>	<u>✓</u>			<u>03</u>	
<u>Wood Spangler 15-13 BG-S</u>		<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>1301</u>	<u>1</u>	<u>✓</u>			<u>04</u>	

*Matrix: **SS** - Soil/Solid **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other _____

pH _____ Temp _____

Remarks:

Flow _____ Other _____

Relinquished by: (Signature) 	Date: <u>5/7/10</u>	Time: <u>1610</u>	Received by: (Signature) 	Samples returned via: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier		Condition: (lab use only) OK	
	Date:	Time:	Received by: (Signature)	Temp: <u>3.4°C</u>	Bottles Received: <u>4</u>	CoC Seals Intact <u> </u> Y <u> </u> N <u> </u> NA	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) 	Date: <u>5-8-10</u>	Time: <u>0900</u>	pH Checked:	NCF:

8681 2179 8676



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Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101

Grand Junction, CO 81506

Report Summary

Thursday November 05, 2009

Report Number: L428244

Samples Received: 10/21/09

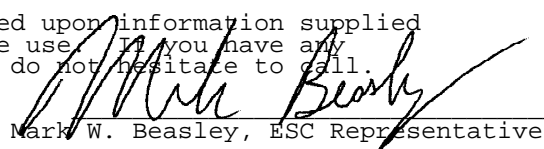
Client Project:

Description: Pit Reclaims - Collbran

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Laboratory Certification Numbers


Mark W. Beasley, ESC Representative

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

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Where applicable, sampling conducted by ESC is performed per guidance provided
in laboratory standard operating procedures: 060302, 060303, and 060304.

2 Samples Reported: 11/03/09 15:49 Revised: 11/05/09 13:14

Page 1 of 6



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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

November 05, 2009

Date Received : October 21, 2009
Description : Pit Reclaims - Collbran
Sample ID : WOOD SPANGLER 15-23 B6 0-6IN
Collected By : Brett Kennedy
Collection Date : 10/20/09 09:50

ESC Sample # : L428244-01

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
pH	7.2			su		9045D	10/23/09	1
Sodium Adsorption Ratio	0.44					Calc.	10/28/09	1
Specific Conductance	100			umhos/cm		9050AMo	10/23/09	1
Arsenic	1.7	0.32	1.0	mg/kg		6010B	11/04/09	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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Reported: 11/03/09 15:49 Revised: 11/05/09 13:14
L428244-01 (PH) - 7.2@22.2c

REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

November 05, 2009

Date Received : October 21, 2009
Description : Pit Reclaims - Collbran
Sample ID : WOOD SPANGLER 15-23 POST REC 0-6IN
Collected By : Brett Kennedy
Collection Date : 10/20/09 09:20

ESC Sample # : L428244-02

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Chromium, Hexavalent	U	0.10	2.0	mg/kg		3060A/7	10/27/09	1
ORP	110			mV		2580	10/23/09	1
pH	8.7			su		9045D	10/23/09	1
Sodium Adsorption Ratio	8.6					Calc.	10/28/09	1
Specific Conductance	700			umhos/cm		9050AMo	10/23/09	1
Mercury	0.018	0.0025	0.020	mg/kg	J	7471	10/25/09	1
Arsenic	3.4	0.32	1.0	mg/kg		6010B	10/29/09	1
Cadmium	0.50	0.040	0.25	mg/kg		6010B	10/29/09	1
Chromium	18.	0.085	0.50	mg/kg		6010B	10/29/09	1
Copper	16.	0.21	1.0	mg/kg		6010B	10/29/09	1
Lead	23.	0.090	0.25	mg/kg	B	6010B	10/29/09	1
Nickel	14.	0.26	1.0	mg/kg		6010B	10/29/09	1
Selenium	U	3.2	10.	mg/kg	O	6010B	10/30/09	10
Silver	U	0.16	0.50	mg/kg		6010B	10/29/09	1
Zinc	39.	0.34	1.5	mg/kg		6010B	10/29/09	1
Benzene	U	0.00090	0.0025	mg/kg		8021/80	10/24/09	5
Toluene	U	0.0015	0.025	mg/kg		8021/80	10/24/09	5
Ethylbenzene	U	0.0013	0.0025	mg/kg		8021/80	10/24/09	5
Total Xylene	U	0.0028	0.0075	mg/kg		8021/80	10/24/09	5
TPH (GC/FID) Low Fraction	U	0.14	0.50	mg/kg		GRO	10/24/09	5
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	97.0			% Rec.		8021/80	10/24/09	5
a,a,a-Trifluorotoluene(PID)	101.			% Rec.		8021/80	10/24/09	5
TPH (GC/FID) High Fraction	68.	1.3	4.0	mg/kg		3546/DR	10/22/09	1
Surrogate recovery(%)								
o-Terphenyl	68.2			% Rec.		3546/DR	10/22/09	1
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.0093	0.033	mg/kg		8270C	10/24/09	1
Acenaphthene	U	0.011	0.033	mg/kg		8270C	10/24/09	1
Acenaphthylene	U	0.011	0.033	mg/kg		8270C	10/24/09	1
Benzo(a)anthracene	U	0.0077	0.033	mg/kg		8270C	10/24/09	1
Benzo(a)pyrene	U	0.0074	0.033	mg/kg		8270C	10/24/09	1
Benzo(b)fluoranthene	U	0.0078	0.033	mg/kg		8270C	10/24/09	1
Benzo(g,h,i)perylene	U	0.0095	0.033	mg/kg		8270C	10/24/09	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

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Reported: 11/03/09 15:49 Revised: 11/05/09 13:14
L428244-02 (PH) - 8.7@20.9c



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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

November 05, 2009

Date Received : October 21, 2009
Description : Pit Reclaims - Collbran
Sample ID : WOOD SPANGLER 15-23 POST REC 0-6IN
Collected By : Brett Kennedy
Collection Date : 10/20/09 09:20

ESC Sample # : L428244-02

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzo(k)fluoranthene	U	0.012	0.033	mg/kg		8270C	10/24/09	1
Chrysene	U	0.0091	0.033	mg/kg		8270C	10/24/09	1
Dibenz(a,h)anthracene	U	0.011	0.033	mg/kg		8270C	10/24/09	1
Fluoranthene	U	0.0079	0.033	mg/kg		8270C	10/24/09	1
Fluorene	U	0.0095	0.033	mg/kg		8270C	10/24/09	1
Indeno(1,2,3-cd)pyrene	U	0.011	0.033	mg/kg		8270C	10/24/09	1
Naphthalene	0.036	0.016	0.033	mg/kg		8270C	10/24/09	1
Phenanthrene	0.016	0.0073	0.033	mg/kg	J	8270C	10/24/09	1
Pyrene	U	0.0089	0.033	mg/kg		8270C	10/24/09	1
Surrogate Recovery								
Nitrobenzene-d5	69.0			% Rec.		8270C	10/24/09	1
2-Fluorobiphenyl	73.1			% Rec.		8270C	10/24/09	1
p-Terphenyl-d14	91.6			% Rec.		8270C	10/24/09	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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Reported: 11/03/09 15:49 Revised: 11/05/09 13:14
L428244-02 (PH) - 8.7@20.9c

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L428244-02	WG448024	SAMP	Lead	R977408	B
	WG448024	SAMP	Selenium	R977408	O
	WG447037	SAMP	Mercury	R965850	J
	WG447321	SAMP	Phenanthrene	R965090	J

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
B	(EPA) - The indicated compound was found in the associated method blank as well as the laboratory sample.
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.
O	(ESC) Sample diluted due to matrix interferences that impaired the ability to make an accurate analytical determination. The detection limit is elevated in order to reflect the necessary dilution.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
11/05/09 at 13:14:20

TSR Signing Reports: 134
R4 - Rush: Three Day

Sample: L428244-01 Account: OXYGJCO Received: 10/21/09 09:00 Due Date: 11/03/09 00:00 RPT Date: 11/03/09 15:49

Sample: L428244-02 Account: OXYGJCO Received: 10/21/09 09:00 Due Date: 10/28/09 00:00 RPT Date: 11/03/09 15:49

Company Name/Address:

OXY USA - Grand Junction, CO760 Horizon Dr.. Ste. 101
Grand Junction.CO 81506

Alternate billing information:

Analysis/Container/Preservative

Chain of Custody
Page 1 of 1

Prepared by:

 **ENVIRONMENTAL
SCIENCE CORP.**12065 Lebanon Road
Mt. Juliet, TN 37122

Phone (615) 758-5858

Phone (800) 767-5859

FAX (615) 758-5859

C005CoCode: **OXYGJCO** (lab use only)

Template/Prelogin

Shipped Via:

Remarks/Contaminant

Sample # (lab only)

Report to: Brett Kennedy Email to: brett.kennedy@oxy.comProject Description: Pit Reclaims - Lallbran City/State Collected: —

Phone: (970) 263-3601

Client Project #:

ESC Key: —FAX: —Collected by: Brett KennedySite/Facility ID#: —P.O.#: —Collected by (signature): Brett Kennedy**Rush?** (Lab MUST Be Notified)

Same Day.....200%

Next Day.....100%

Two Day.....50%

Three Day.....25%

Date Results Needed:

Email? No YesFAX? No YesNo.
of
Cntrs

Sample ID

Comp/Grab

Matrix*

Depth

Date

Time

Wood Spangler 15-d3 B6 Comp SS 0-6" 10/20/09 0950 1

Wood Spangler 15-d3 Post Re ↓ ↓ ↓ 10/20/09 0925 2

BREX
ORODRO
SAR/ECIPH
As
Cd, Cr, Cu, Pb, Hg, Ni, Se, Ag, Zn
Cr DL
PAH

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

pH Temp

Remarks:

Flow Other

Relinquished by: (Signature) <u>Brett Kennedy</u>	Date: <u>10/20/09</u>	Time: <u>1:30</u>	Received by: (Signature) <u>[Signature]</u>	Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier	Condition: (lab use only) OK
Relinquished by: (Signature) <u>[Signature]</u>	Date:	Time:	Received by: (Signature) <u>[Signature]</u>	Temp: <u>4.0°C</u>	Bottles Received: <u>3</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date:	Time:	Received for lab by: (Signature) <u>[Signature]</u>	Date: <u>10-20-09</u>	Time: <u>0900</u>
				pH Checked:	NCF:

CoC Seals Intact Y N NA



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Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101

Grand Junction, CO 81506

Report Summary

Tuesday July 14, 2009

Report Number: L408716

Samples Received: 06/20/09

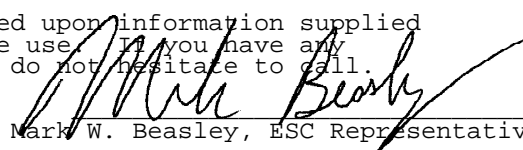
Client Project:

Description: Pit Reclaims - Collbran

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Laboratory Certification Numbers


Mark W. Beasley, ESC Representative

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

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Where applicable, sampling conducted by ESC is performed per guidance provided
in laboratory standard operating procedures: 060302, 060303, and 060304.



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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

July 14, 2009

Date Received : June 20, 2009
Description : Pit Reclaims - Collbran

Sample ID : WOOD SPANGLES 15-23-BG

Collected By : Brett Kennedy
Collection Date : 06/19/09 13:25

ESC Sample # : L408716-01

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Chromium, Hexavalent	U	0.21	4.0	mg/kg	O	3060A/7	06/25/09	2
ORP	200			mV		2580	06/23/09	1
pH	6.7			su		9045D	06/24/09	1
Sodium Adsorption Ratio	1.8					Calc.	06/26/09	1
Specific Conductance	26.			umhos/cm		9050AMo	06/23/09	1
Mercury	0.014	0.0025	0.020	mg/kg	J	7471	06/22/09	1
Arsenic	0.39	0.27	1.0	mg/kg	J	6010B	06/26/09	1
Barium	150	0.054	0.25	mg/kg		6010B	06/26/09	1
Cadmium	0.74	0.037	0.25	mg/kg		6010B	06/26/09	1
Chromium	18.	0.098	0.50	mg/kg		6010B	06/26/09	1
Copper	9.8	0.30	1.0	mg/kg		6010B	06/26/09	1
Lead	15.	0.096	0.25	mg/kg		6010B	06/26/09	1
Nickel	12.	0.49	1.0	mg/kg		6010B	06/26/09	1
Selenium	U	0.33	1.0	mg/kg		6010B	06/26/09	1
Silver	U	0.16	0.50	mg/kg		6010B	06/26/09	1
Zinc	39.	0.44	1.5	mg/kg		6010B	06/26/09	1
Benzene	U	0.00082	0.0025	mg/kg		8021/80	06/24/09	5
Toluene	U	0.0082	0.025	mg/kg		8021/80	06/24/09	5
Ethylbenzene	0.0010	0.00082	0.0025	mg/kg	J	8021/80	06/24/09	5
Total Xylene	0.0026	0.0025	0.0075	mg/kg	J	8021/80	06/24/09	5
TPH (GC/FID) Low Fraction	U	0.16	0.50	mg/kg		GRO	06/24/09	5
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	97.0			% Rec.		8021/80	06/24/09	5
a,a,a-Trifluorotoluene(PID)	105.			% Rec.		8021/80	06/24/09	5
TPH (GC/FID) High Fraction	12.	1.3	4.0	mg/kg		3546/DR	06/23/09	1
Surrogate recovery(%)								
o-Terphenyl	95.5			% Rec.		3546/DR	06/23/09	1
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.0080	0.033	mg/kg		8270C	06/24/09	1
Acenaphthene	U	0.010	0.033	mg/kg		8270C	06/24/09	1
Acenaphthylene	U	0.010	0.033	mg/kg		8270C	06/24/09	1
Benzo(a)anthracene	U	0.0086	0.033	mg/kg		8270C	06/24/09	1
Benzo(a)pyrene	U	0.0092	0.033	mg/kg		8270C	06/24/09	1
Benzo(b)fluoranthene	U	0.013	0.033	mg/kg		8270C	06/24/09	1

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MDL = Minimum Detection Limit = LOD

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Reported: 07/14/09 14:05 Printed: 07/14/09 14:05

L408716-01 (CR6) - diluted due to sample color

L408716-01 (ORP) - 201@20.2C

L408716-01 (PH) - 6.7@23.2C



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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

July 14, 2009

Date Received : June 20, 2009
Description : Pit Reclaims - Collbran

Sample ID : WOOD SPANGLES 15-23-BG

Collected By : Brett Kennedy
Collection Date : 06/19/09 13:25

ESC Sample # : L408716-01

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzo(g,h,i)perylene	U	0.0089	0.033	mg/kg		8270C	06/24/09	1
Benzo(k)fluoranthene	U	0.011	0.033	mg/kg		8270C	06/24/09	1
Chrysene	U	0.011	0.033	mg/kg		8270C	06/24/09	1
Dibenz(a,h)anthracene	U	0.0093	0.033	mg/kg		8270C	06/24/09	1
Fluoranthene	U	0.0076	0.033	mg/kg		8270C	06/24/09	1
Fluorene	U	0.011	0.033	mg/kg		8270C	06/24/09	1
Indeno(1,2,3-cd)pyrene	U	0.0099	0.033	mg/kg		8270C	06/24/09	1
Naphthalene	U	0.0081	0.033	mg/kg		8270C	06/24/09	1
Phenanthrene	U	0.0087	0.033	mg/kg		8270C	06/24/09	1
Pyrene	U	0.010	0.033	mg/kg		8270C	06/24/09	1
Surrogate Recovery								
Nitrobenzene-d5	98.9			% Rec.		8270C	06/24/09	1
2-Fluorobiphenyl	94.6			% Rec.		8270C	06/24/09	1
p-Terphenyl-d14	85.9			% Rec.		8270C	06/24/09	1

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RDL = Reported Detection Limit = LOQ = PQL = EQL

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Reported: 07/14/09 14:05 Printed: 07/14/09 14:05

L408716-01 (CR6) - diluted due to sample color

L408716-01 (ORP) - 201@20.2C

L408716-01 (PH) - 6.7@23.2C



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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

July 14, 2009

Date Received : June 20, 2009
Description : Pit Reclaims - Collbran

Sample ID : WOOD SPANGLES 15-23-REC

Collected By : Brett Kennedy
Collection Date : 06/19/09 13:35

ESC Sample # : L408716-02

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Chromium, Hexavalent	U	1.0	20.	mg/kg	J60	3060A/7	06/25/09	10
ORP	160			mV		2580	06/23/09	1
pH	7.9			su		9045D	06/24/09	1
Sodium Adsorption Ratio	9.4					Calc.	06/26/09	1
Specific Conductance	530			umhos/cm		9050AMo	06/23/09	1
Mercury	0.018	0.0025	0.020	mg/kg	J	7471	06/22/09	1
Arsenic	1.5	0.27	1.0	mg/kg		6010B	06/26/09	1
Barium	1700	0.054	0.25	mg/kg		6010B	06/26/09	1
Cadmium	0.73	0.037	0.25	mg/kg		6010B	06/26/09	1
Chromium	19.	0.098	0.50	mg/kg		6010B	06/26/09	1
Copper	13.	0.30	1.0	mg/kg		6010B	06/26/09	1
Lead	13.	0.096	0.25	mg/kg		6010B	06/26/09	1
Nickel	13.	0.49	1.0	mg/kg		6010B	06/26/09	1
Selenium	U	0.33	1.0	mg/kg		6010B	06/26/09	1
Silver	U	0.16	0.50	mg/kg		6010B	06/26/09	1
Zinc	40.	0.44	1.5	mg/kg		6010B	06/26/09	1
Benzene	U	0.00082	0.0025	mg/kg		8021/80	06/24/09	5
Toluene	U	0.0082	0.025	mg/kg		8021/80	06/24/09	5
Ethylbenzene	U	0.00082	0.0025	mg/kg		8021/80	06/24/09	5
Total Xylene	U	0.0025	0.0075	mg/kg		8021/80	06/24/09	5
TPH (GC/FID) Low Fraction	U	0.16	0.50	mg/kg		GRO	06/24/09	5
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	96.8			% Rec.		8021/80	06/24/09	5
a,a,a-Trifluorotoluene(PID)	104.			% Rec.		8021/80	06/24/09	5
TPH (GC/FID) High Fraction	43.	1.3	4.0	mg/kg		3546/DR	06/23/09	1
Surrogate recovery(%)								
o-Terphenyl	84.5			% Rec.		3546/DR	06/23/09	1
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.0080	0.033	mg/kg		8270C	06/24/09	1
Acenaphthene	U	0.010	0.033	mg/kg		8270C	06/24/09	1
Acenaphthylene	U	0.010	0.033	mg/kg		8270C	06/24/09	1
Benzo(a)anthracene	U	0.0086	0.033	mg/kg		8270C	06/24/09	1
Benzo(a)pyrene	U	0.0092	0.033	mg/kg		8270C	06/24/09	1
Benzo(b)fluoranthene	U	0.013	0.033	mg/kg		8270C	06/24/09	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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Reported: 07/14/09 14:05 Printed: 07/14/09 14:06

L408716-02 (PH) - 7.9@22.9C

L408716-02 (ORP) - 162@20.8C

L408716-02 (CR6) - diluted due to sample color



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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

July 14, 2009

Date Received : June 20, 2009
Description : Pit Reclaims - Collbran

Sample ID : WOOD SPANGLES 15-23-REC

Collected By : Brett Kennedy
Collection Date : 06/19/09 13:35

ESC Sample # : L408716-02

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzo(g,h,i)perylene	U	0.0089	0.033	mg/kg		8270C	06/24/09	1
Benzo(k)fluoranthene	U	0.011	0.033	mg/kg		8270C	06/24/09	1
Chrysene	U	0.011	0.033	mg/kg		8270C	06/24/09	1
Dibenz(a,h)anthracene	U	0.0093	0.033	mg/kg		8270C	06/24/09	1
Fluoranthene	U	0.0076	0.033	mg/kg		8270C	06/24/09	1
Fluorene	0.016	0.011	0.033	mg/kg	J	8270C	06/24/09	1
Indeno(1,2,3-cd)pyrene	U	0.0099	0.033	mg/kg		8270C	06/24/09	1
Naphthalene	0.043	0.0081	0.033	mg/kg		8270C	06/24/09	1
Phenanthrene	0.022	0.0087	0.033	mg/kg	J	8270C	06/24/09	1
Pyrene	U	0.010	0.033	mg/kg		8270C	06/24/09	1
Surrogate Recovery								
Nitrobenzene-d5	98.8			% Rec.		8270C	06/24/09	1
2-Fluorobiphenyl	109.			% Rec.		8270C	06/24/09	1
p-Terphenyl-d14	91.2			% Rec.		8270C	06/24/09	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

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Reported: 07/14/09 14:05 Printed: 07/14/09 14:06

L408716-02 (PH) - 7.9@22.9C

L408716-02 (ORP) - 162@20.8C

L408716-02 (CR6) - diluted due to sample color

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L408716-01	WG427729	SAMP	Ethylbenzene	R791188	J
	WG427729	SAMP	Total Xylene	R791188	J
	WG428211	SAMP	Arsenic	R795706	J
	WG427882	SAMP	Chromium, Hexavalent	R793466	O
	WG427602	SAMP	Mercury	R790411	J
L408716-02	WG427882	SAMP	Chromium, Hexavalent	R793466	J60
	WG427602	SAMP	Mercury	R790411	J
	WG427943	SAMP	Fluorene	R791486	J
	WG427943	SAMP	Phenanthrene	R791486	J

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.
O	(ESC) Sample diluted due to matrix interferences that impaired the ability to make an accurate analytical determination. The detection limit is elevated in order to reflect the necessary dilution.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
07/14/09 at 14:06:01

TSR Signing Reports: 134
R5 - Desired TAT

Sample: L408716-01 Account: OXYGJCO Received: 06/20/09 09:00 Due Date: 06/26/09 00:00 RPT Date: 07/14/09 14:05

Sample: L408716-02 Account: OXYGJCO Received: 06/20/09 09:00 Due Date: 06/26/09 00:00 RPT Date: 07/14/09 14:05



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July 14, 2009

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
TPH (GC/FID) High Fraction	< 4	ppm			WG427640	06/22/09 12:30
o-Terphenyl		% Rec.	82.49	50-150	WG427640	06/22/09 12:30
Mercury	< .02	mg/kg			WG427602	06/22/09 13:31
Specific Conductance	0.980	umhos/cm			WG427793	06/23/09 15:30
Benzene	< .0005	mg/kg			WG427729	06/23/09 14:47
Ethylbenzene	< .0005	mg/kg			WG427729	06/23/09 14:47
Toluene	< .005	mg/kg			WG427729	06/23/09 14:47
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG427729	06/23/09 14:47
Total Xylene	< .0015	mg/kg			WG427729	06/23/09 14:47
a,a,a-Trifluorotoluene(FID)		% Rec.	98.10	59-128	WG427729	06/23/09 14:47
a,a,a-Trifluorotoluene(PID)		% Rec.	105.0	54-144	WG427729	06/23/09 14:47
Acenaphthene	< .33	ppm			WG427943	06/24/09 11:58
Acenaphthylene	< .33	ppm			WG427943	06/24/09 11:58
Anthracene	< .33	ppm			WG427943	06/24/09 11:58
Benzo(a)anthracene	< .33	ppm			WG427943	06/24/09 11:58
Benzo(a)pyrene	< .33	ppm			WG427943	06/24/09 11:58
Benzo(b)fluoranthene	< .33	ppm			WG427943	06/24/09 11:58
Benzo(g,h,i)perylene	< .33	ppm			WG427943	06/24/09 11:58
Benzo(k)fluoranthene	< .33	ppm			WG427943	06/24/09 11:58
Chrysene	< .33	ppm			WG427943	06/24/09 11:58
Dibenz(a,h)anthracene	< .33	ppm			WG427943	06/24/09 11:58
Fluoranthene	< .33	ppm			WG427943	06/24/09 11:58
Fluorene	< .33	ppm			WG427943	06/24/09 11:58
Indeno(1,2,3-cd)pyrene	< .33	ppm			WG427943	06/24/09 11:58
Naphthalene	< .33	ppm			WG427943	06/24/09 11:58
Phenanthrene	< .33	ppm			WG427943	06/24/09 11:58
Pyrene	< .33	ppm			WG427943	06/24/09 11:58
2-Fluorobiphenyl		% Rec.	69.52	30-120	WG427943	06/24/09 11:58
Nitrobenzene-d5		% Rec.	60.30	18-119	WG427943	06/24/09 11:58
p-Terphenyl-d14		% Rec.	73.49	23-143	WG427943	06/24/09 11:58
pH	2.70	su			WG427879	06/24/09 16:05
Chromium,Hexavalent	< 2	mg/kg			WG427882	06/25/09 14:38
Arsenic	< 1	mg/kg			WG428211	06/26/09 19:31
Barium	< .25	mg/kg			WG428211	06/26/09 19:31
Cadmium	< .25	mg/kg			WG428211	06/26/09 19:31
Chromium	< .5	mg/kg			WG428211	06/26/09 19:31
Copper	< 1	mg/kg			WG428211	06/26/09 19:31
Lead	< .25	mg/kg			WG428211	06/26/09 19:31
Nickel	< 1	mg/kg			WG428211	06/26/09 19:31
Selenium	< 1	mg/kg			WG428211	06/26/09 19:31
Silver	< .5	mg/kg			WG428211	06/26/09 19:31
Zinc	< 1.5	mg/kg			WG428211	06/26/09 19:31

* Performance of this Analyte is outside of established criteria.
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L408716

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Analyte	Units	Duplicate		RPD	Limit	Ref Samp	Batch
		Result	Duplicate				
Mercury	mg/kg	0.00	0.250	NA	20	L408762-06	WG427602
ORP	mV	193.	190.	1.57	20	L408455-05	WG427804
ORP	mV	183.	160.	13.4	20	L408716-02	WG427804
Specific Conductance	umhos/cm	24.9	26.0	4.24	20	L408716-01	WG427793
pH	su	6.80	6.70	1.48	20	L408716-01	WG427879
Chromium, Hexavalent	mg/kg	0.00	0.00	0.00	20	L408716-01	WG427882
Arsenic	mg/kg	1.44	1.50	4.08	20	L408668-03	WG428211
Barium	mg/kg	120.	160.	28.6*	20	L408668-03	WG428211
Cadmium	mg/kg	0.497	0.490	1.42	20	L408668-03	WG428211
Chromium	mg/kg	19.5	18.0	8.00	20	L408668-03	WG428211
Copper	mg/kg	12.9	15.0	15.1	20	L408668-03	WG428211
Lead	mg/kg	8.87	8.40	5.44	20	L408668-03	WG428211
Nickel	mg/kg	13.5	13.0	3.77	20	L408668-03	WG428211
Selenium	mg/kg	0.00	0.00	0.00	20	L408668-03	WG428211
Silver	mg/kg	0.00	0.00	0.00	20	L408668-03	WG428211
Zinc	mg/kg	31.1	31.0	0.322	20	L408668-03	WG428211

Analyte	Units	Laboratory Control		Sample Result	% Rec	Limit	Batch
		Known Val	Control				
TPH (GC/FID) High Fraction	ppm	60		39.9	66.5	50-150	WG427640
o-Terphenyl					96.83	50-150	WG427640
Mercury	mg/kg	8.77		9.20	105.	71.6-127.7	WG427602
ORP	mV	229		220.	96.1	95.6-104.37	WG427804
Specific Conductance	umhos/cm	589		530.	90.0	85-115	WG427793
Benzene	mg/kg	.05		0.0488	97.6	76-113	WG427729
Ethylbenzene	mg/kg	.05		0.0461	92.2	78-115	WG427729
Toluene	mg/kg	.05		0.0473	94.6	76-114	WG427729
Total Xylene	mg/kg	.15		0.147	98.0	81-118	WG427729
a,a,a-Trifluorotoluene(PID)					102.4	54-144	WG427729
TPH (GC/FID) Low Fraction	mg/kg	5.5		4.55	82.8	67-135	WG427729
a,a,a-Trifluorotoluene(FID)					121.1	59-128	WG427729
Acenaphthene	ppm	.167		0.131	78.2	44-117	WG427943
Acenaphthylene	ppm	.167		0.127	76.3	43-118	WG427943
Anthracene	ppm	.167		0.136	81.3	42-127	WG427943
Benzo(a)anthracene	ppm	.167		0.132	78.9	45-127	WG427943
Benzo(a)pyrene	ppm	.167		0.138	82.5	46-123	WG427943
Benzo(b)fluoranthene	ppm	.167		0.125	74.6	43-126	WG427943
Benzo(g,h,i)perylene	ppm	.167		0.141	84.4	43-128	WG427943
Benzo(k)fluoranthene	ppm	.167		0.136	81.6	40-126	WG427943

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Analyte	Units	Laboratory Control	Sample	% Rec	Limit	Batch
		Known Val	Result			
Chrysene	ppm	.167	0.130	78.1	44-129	WG427943
Dibenz(a,h)anthracene	ppm	.167	0.135	80.6	43-127	WG427943
Fluoranthene	ppm	.167	0.139	83.5	44-125	WG427943
Fluorene	ppm	.167	0.131	78.7	45-121	WG427943
Indeno(1,2,3-cd)pyrene	ppm	.167	0.137	82.2	43-127	WG427943
Naphthalene	ppm	.167	0.123	73.7	32-113	WG427943
Phenanthrene	ppm	.167	0.135	80.6	43-124	WG427943
Pyrene	ppm	.167	0.142	84.8	47-128	WG427943
2-Fluorobiphenyl				80.77	30-120	WG427943
Nitrobenzene-d5				77.87	18-119	WG427943
p-Terphenyl-d14				91.51	23-143	WG427943
pH	su	9.04	8.90	98.5	97.4-102.6	WG427879
Chromium,Hexavalent	mg/kg	102	104.	102.	50-143	WG427882
Arsenic	mg/kg	192	168.	87.5	78.6-120.8	WG428211
Barium	mg/kg	420	402.	95.7	78.8-121.4	WG428211
Cadmium	mg/kg	70.1	63.4	90.4	78.5-121.5	WG428211
Chromium	mg/kg	168	163.	97.0	80.4-120.2	WG428211
Copper	mg/kg	122	122.	100.	81.6-119.7	WG428211
Lead	mg/kg	113	102.	90.3	77.3-122.1	WG428211
Nickel	mg/kg	74.1	72.6	98.0	78.8-121.2	WG428211
Selenium	mg/kg	176	156.	88.6	75.6-125.0	WG428211
Silver	mg/kg	115	106.	92.2	66-133.9	WG428211
Zinc	mg/kg	437	400.	91.5	78.5-121.7	WG428211

Analyte	Units	Laboratory Control	Sample Duplicate	Limit	RPD	Limit	Batch
		Result	Ref %Rec				
TPH (GC/FID) High Fraction	ppm	46.0	39.9	77.0	50-150	14.2	WG427640
o-Terphenyl				99.09	50-150		WG427640
ORP	mV	220.	220.	96.0	95.6-104.37	0.00	WG427804
Specific Conductance	umhos/	540.	530.	92.0	85-115	1.87	WG427793
Benzene	mg/kg	0.0477	0.0488	95.0	76-113	2.19	WG427729
Ethylbenzene	mg/kg	0.0449	0.0461	90.0	78-115	2.53	WG427729
Toluene	mg/kg	0.0459	0.0473	92.0	76-114	3.10	WG427729
Total Xylene	mg/kg	0.143	0.147	95.0	81-118	2.66	WG427729
a,a,a-Trifluorotoluene(PID)				101.1	54-144		WG427729
TPH (GC/FID) Low Fraction	mg/kg	4.43	4.55	81.0	67-135	2.72	WG427729
a,a,a-Trifluorotoluene(FID)				119.8	59-128		WG427729
Acenaphthene	ppm	0.115	0.131	69.0	44-117	12.3	WG427943
Acenaphthylene	ppm	0.116	0.127	69.0	43-118	9.46	WG427943
Anthracene	ppm	0.119	0.136	72.0	42-127	12.8	WG427943
Benzo(a)anthracene	ppm	0.112	0.132	67.0	45-127	15.8	WG427943
Benzo(a)pyrene	ppm	0.119	0.138	71.0	46-123	14.6	WG427943
Benzo(b)fluoranthene	ppm	0.102	0.125	61.0	43-126	19.9	WG427943
Benzo(g,h,i)perylene	ppm	0.121	0.141	73.0	43-128	15.2	WG427943

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Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Benzo(k)fluoranthene	ppm	0.104	0.136	63.0	40-126	26.4	32	WG427943
Chrysene	ppm	0.117	0.130	70.0	44-129	11.1	22	WG427943
Dibenz(a,h)anthracene	ppm	0.117	0.135	70.0	43-127	14.4	20	WG427943
Fluoranthene	ppm	0.124	0.139	74.0	44-125	12.0	22	WG427943
Fluorene	ppm	0.120	0.131	72.0	45-121	9.43	20	WG427943
Indeno(1,2,3-cd)pyrene	ppm	0.121	0.137	72.0	43-127	12.9	21	WG427943
Naphthalene	ppm	0.107	0.123	64.0	32-113	13.9	26	WG427943
Phenanthrene	ppm	0.115	0.135	69.0	43-124	15.5	21	WG427943
Pyrene	ppm	0.120	0.142	72.0	47-128	16.5	20	WG427943
2-Fluorobiphenyl				71.49	30-120			WG427943
Nitrobenzene-d5				64.54	18-119			WG427943
p-Terphenyl-d14				68.14	23-143			WG427943
pH	su	8.90	8.90	98.0	97.4-102.6	0.00	20	WG427879
Chromium,Hexavalent	mg/kg	102.	104.	100.	50-143	1.94	20	WG427882

Analyte	Units	Matrix Spike			% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res	TV				
TPH (GC/FID) High Fraction	ppm	578.	260.	60	531.*	50-150	L408693-01	WG427640
o-Terphenyl					53.60	50-150		WG427640
Mercury	mg/kg	0.736	0.250	.025	194.*	70-130	L408762-06	WG427602
Benzene	mg/kg	0.210	0.00	.05	84.0	32-137	L408588-04	WG427729
Ethylbenzene	mg/kg	0.193	0.00	.05	77.1	10-150	L408588-04	WG427729
Toluene	mg/kg	0.202	0.00	.05	80.8	20-142	L408588-04	WG427729
Total Xylene	mg/kg	0.608	0.00	.15	81.1	16-141	L408588-04	WG427729
a,a,a-Trifluorotoluene(PID)					101.8	54-144		WG427729
TPH (GC/FID) Low Fraction	mg/kg	17.6	0.00	5.5	63.9	55-109	L408588-04	WG427729
a,a,a-Trifluorotoluene(FID)					115.2	59-128		WG427729
Acenaphthene	ppm	0.119	0.00	.167	71.1	38-121	L408665-01	WG427943
Acenaphthylene	ppm	0.121	0.00	.167	72.4	39-120	L408665-01	WG427943
Anthracene	ppm	0.138	0.00	.167	82.6	35-133	L408665-01	WG427943
Benzo(a)anthracene	ppm	0.132	0.00	.167	78.8	35-136	L408665-01	WG427943
Benzo(a)pyrene	ppm	0.124	0.00	.167	74.2	37-131	L408665-01	WG427943
Benzo(b)fluoranthene	ppm	0.107	0.00	.167	64.3	29-145	L408665-01	WG427943
Benzo(g,h,i)perylene	ppm	0.163	0.00	.167	97.5	10-139	L408665-01	WG427943
Benzo(k)fluoranthene	ppm	0.121	0.00	.167	72.3	31-140	L408665-01	WG427943
Chrysene	ppm	0.140	0.00	.167	83.8	34-137	L408665-01	WG427943
Dibenz(a,h)anthracene	ppm	0.158	0.00	.167	94.4	21-132	L408665-01	WG427943
Fluoranthene	ppm	0.147	0.00	.167	88.2	34-132	L408665-01	WG427943
Fluorene	ppm	0.137	0.00	.167	81.8	38-126	L408665-01	WG427943
Indeno(1,2,3-cd)pyrene	ppm	0.159	0.00	.167	95.3	17-134	L408665-01	WG427943
Naphthalene	ppm	0.116	0.00	.167	69.7	24-122	L408665-01	WG427943
Phenanthrene	ppm	0.138	0.00	.167	82.7	38-128	L408665-01	WG427943
Pyrene	ppm	0.135	0.00	.167	80.8	35-141	L408665-01	WG427943
2-Fluorobiphenyl					84.05	30-120		WG427943
Nitrobenzene-d5					86.12	18-119		WG427943
p-Terphenyl-d14					88.06	23-143		WG427943

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L408716

July 14, 2009

Analyte	Units	MS Res	Matrix Spike		% Rec	Limit	Ref Samp	Batch
			Ref Res	TV				
Chromium,Hexavalent	mg/kg	1.68	0.00	20	0.840*	80-120	L408716-02	WG427882
Arsenic	mg/kg	48.2	1.50	50	93.4	75-125	L408668-03	WG428211
Barium	mg/kg	175.	160.	50	30.0*	75-125	L408668-03	WG428211
Cadmium	mg/kg	45.4	0.490	50	89.8	75-125	L408668-03	WG428211
Chromium	mg/kg	70.3	18.0	50	105.	75-125	L408668-03	WG428211
Copper	mg/kg	67.8	15.0	50	106.	75-125	L408668-03	WG428211
Lead	mg/kg	54.9	8.40	50	93.0	75-125	L408668-03	WG428211
Nickel	mg/kg	62.2	13.0	50	98.4	75-125	L408668-03	WG428211
Selenium	mg/kg	43.7	0.00	50	87.4	75-125	L408668-03	WG428211
Silver	mg/kg	47.5	0.00	50	95.0	75-125	L408668-03	WG428211
Zinc	mg/kg	81.6	31.0	50	101.	75-125	L408668-03	WG428211

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
TPH (GC/FID) High Fraction	ppm	309.	578.	81.0	50-150	60.8*	25	L408693-01	WG427640
o-Terphenyl				92.56	50-150				WG427640
Mercury	mg/kg	0.462	0.736	84.8	70-130	45.7*	20	L408762-06	WG427602
Benzene	mg/kg	0.219	0.210	87.4	32-137	3.96	39	L408588-04	WG427729
Ethylbenzene	mg/kg	0.197	0.193	78.7	10-150	2.07	44	L408588-04	WG427729
Toluene	mg/kg	0.207	0.202	82.8	20-142	2.47	42	L408588-04	WG427729
Total Xylene	mg/kg	0.619	0.608	82.5	16-141	1.75	46	L408588-04	WG427729
a,a,a-Trifluorotoluene(PID)				97.80	54-144				WG427729
TPH (GC/FID) Low Fraction	mg/kg	15.7	17.6	57.0	55-109	11.5	20	L408588-04	WG427729
a,a,a-Trifluorotoluene(FID)				108.4	59-128				WG427729
Acenaphthene	ppm	0.113	0.119	67.4	38-121	5.34	23	L408665-01	WG427943
Acenaphthylene	ppm	0.116	0.121	69.6	39-120	4.00	22	L408665-01	WG427943
Anthracene	ppm	0.138	0.138	82.5	35-133	0.163	23	L408665-01	WG427943
Benzo(a)anthracene	ppm	0.135	0.132	80.8	35-136	2.54	23	L408665-01	WG427943
Benzo(a)pyrene	ppm	0.132	0.124	79.3	37-131	6.59	22	L408665-01	WG427943
Benzo(b)fluoranthene	ppm	0.108	0.107	64.5	29-145	0.321	33	L408665-01	WG427943
Benzo(g,h,i)perylene	ppm	0.167	0.163	100.	10-139	2.65	26	L408665-01	WG427943
Benzo(k)fluoranthene	ppm	0.118	0.121	70.6	31-140	2.45	34	L408665-01	WG427943
Chrysene	ppm	0.141	0.140	84.6	34-137	0.905	23	L408665-01	WG427943
Dibenz(a,h)anthracene	ppm	0.167	0.158	99.8	21-132	5.55	25	L408665-01	WG427943
Fluoranthene	ppm	0.143	0.147	85.8	34-132	2.77	24	L408665-01	WG427943
Fluorene	ppm	0.122	0.137	73.0	38-126	11.3	23	L408665-01	WG427943
Indeno(1,2,3-cd)pyrene	ppm	0.165	0.159	98.8	17-134	3.57	25	L408665-01	WG427943
Naphthalene	ppm	0.126	0.116	75.3	24-122	7.70	29	L408665-01	WG427943
Phenanthrene	ppm	0.139	0.138	83.2	38-128	0.659	25	L408665-01	WG427943
Pyrene	ppm	0.142	0.135	84.9	35-141	4.85	25	L408665-01	WG427943
2-Fluorobiphenyl				80.12	30-120				WG427943
Nitrobenzene-d5				85.78	18-119				WG427943
p-Terphenyl-d14				84.54	23-143				WG427943
Chromium,Hexavalent	mg/kg	1.60	1.68	0.8*	80-120	4.88	20	L408716-02	WG427882
Arsenic	mg/kg	46.5	48.2	90.0	75-125	3.59	20	L408668-03	WG428211
Barium	mg/kg	178.	175.	36*	75-125	1.70	20	L408668-03	WG428211

* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



ENVIRONMENTAL SCIENCE CORP.

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Est. 1970

OXY USA Inc - Grand Junction, CO
Brett Kennedy
760 Horizon Dr., Ste. 101

Quality Assurance Report Level II

Grand Junction, CO 81506

L408716

July 14, 2009

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
Cadmium	mg/kg	43.2	45.4	85.4	75-125	4.97	20	L408668-03	WG428211
Chromium	mg/kg	63.4	70.3	90.8	75-125	10.3	20	L408668-03	WG428211
Copper	mg/kg	65.0	67.8	100.	75-125	4.22	20	L408668-03	WG428211
Lead	mg/kg	52.8	54.9	88.8	75-125	3.90	20	L408668-03	WG428211
Nickel	mg/kg	59.6	62.2	93.2	75-125	4.27	20	L408668-03	WG428211
Selenium	mg/kg	41.4	43.7	82.8	75-125	5.41	20	L408668-03	WG428211
Silver	mg/kg	45.8	47.5	91.6	75-125	3.64	20	L408668-03	WG428211
Zinc	mg/kg	78.0	81.6	94.0	75-125	4.51	20	L408668-03	WG428211

Batch number /Run number / Sample number cross reference

WG427640: R789428: L408716-01 02
WG427602: R790411: L408716-01 02
WG427804: R790446: L408716-01 02
WG427793: R790567: L408716-01 02
WG427729: R791188: L408716-01 02
WG427943: R791486: L408716-01 02
WG427879: R792187: L408716-01 02
WG427882: R793466: L408716-01 02
WG428010: R794730: L408716-01 02
WG428211: R795706: L408716-01 02

* * Calculations are performed prior to rounding of reported values .

* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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Quality Assurance Report Level II

Grand Junction, CO 81506

L408716

July 14, 2009

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Company Name/Address: OXY USA - Grand Junction, CO 760 Horizon Dr., Ste. 101 Grand Junction, CO 81506				Alternate billing information:				Analysis/Container/Preservative				Chain of Custody Page <u>1</u> of <u>1</u> E170 ENVIRONMENTAL SCIENCE CORP. 12065 Lebanon Road Mt. Juliet, TN 37122 Phone (615) 758-5858 Phone (800) 767-5859 FAX (615) 758-5859	
Report to: <u>Brett Kennedy</u>				Email to: <u>brett.kennedy@oxy.com</u>				As, Ba, Ca, Cr, Cu, Pb, Hg, Ni, Se, Ag, Zn Cr VI BTEX/TPH (600 and DRO) PAH EC SAR pH				CoCode: OXYGJCO (lab use only) Template/Prelogin Shipped Via:	
Project Description: <u>Pit Reclaims - Lebanon</u>				City/State Collected: <u> </u>									
Phone: <u>(970) 263-3601</u>		Client Project #: <u> </u>		ESC Key: <u> </u>									
FAX: <u> </u>		Site/Facility ID#: <u> </u>		P.O.#: <u> </u>									
Collected by: <u>Brett Kennedy</u>													
Collected by (signature): <u>Brett Kennedy</u>		<input checked="" type="checkbox"/> Rush? (Lab MUST Be Notified) Same Day..... 200% Next Day..... 100% Two Day..... 50% Three Day..... 25%		Date Results Needed: Email? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes FAX? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		No. of Cntrs		Remarks/Contaminant		Sample # (lab only)			
Packed on Ice N <u> </u> Y <input checked="" type="checkbox"/>													
Sample ID		Comp/Grab	Matrix*	Depth	Date	Time							
<u>Wood Spangler 15-B3-BG</u>		<u>Comp</u>	<u>Soil</u>	<u>-</u>	<u>6/19/09</u>	<u>1325</u>	<u>3</u>						
<u>Wood Spangler 15-B3-Rec</u>		<u>↓</u>	<u>↓</u>	<u>-</u>	<u>6/19/09</u>	<u>1335</u>	<u>3</u>						

*Matrix: **SS** - Soil/Solid **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other _____

Remarks: 8081 2139 9827

pH _____ Temp _____

Flow _____ Other _____

Relinquished by: (Signature) <u>Brett Kennedy</u>		Date: <u>6/19/09</u>	Time: <u>1625</u>	Received by: (Signature) <u>C. Spino</u>		Samples returned via: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier <input type="checkbox"/> _____		Condition: <u>OK</u> (lab use only)	
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature)		Temp: <u>3.0C</u>		Bottles Received: <u>6</u>	
Relinquished by: (Signature)		Date:	Time:	Received for lab by: (Signature)		Date: <u>6-20-09</u>		Time: <u>0900</u>	
						CoC Seals Intact <u>Y</u> <u>N</u> <u>NA</u>		pH Checked: _____ NCF: _____	