

FORM
27
Rev 6/99

State of Colorado
Oil and Gas Conservation Commission

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



#7098

FOR OGCC USE ONLY

RECEIVED
12/2/2011

OGCC Employee:

☐ Spill ☐ Complaint
☐ Inspection ☐ NOAV

Tracking No:

SITE INVESTIGATION AND REMEDIATION WORKPLAN

This form shall be submitted to the Director for approval prior to the initiation of site investigation and remediation activities. Form 27 is intended to be used whenever possible. Additional documentation will be required when large volumes of soil and groundwater have been impacted or involve large facilities with multiple source areas. See Rule 910. Attach as many pages as needed to fully describe the proposed work.

CAUSE OF CONDITION BEING INVESTIGATED AND REMEDIATED

☐ Spill or Release ☐ Plug & Abandon ☐ Central Facility Closure ☒ Site/Facility Closure ☐ Other (describe):

OGCC Operator Number: 66571

Name of Operator: OXY USA WTP LP

Address: 760 Horizon Drive, Suite 101

City: Grand Junction State: CO Zip: 81506

Contact Name and Telephone:

Daniel I. Padilla

No: (970) 263-3637

Fax: (970) 263-3694

API Number: 05-045-10687

County: Garfield

Facility Name: CC Pond 1 / 697-15-54

Facility Number: 291974

Well Name: Cascade Creek

Well Number: 697-15-54

Location: (QtrQtr, Sec, Twp, Rng, Meridian): SWSE 15 6S 97W 6th Latitude: 39.51924 Longitude: -108.2016

TECHNICAL CONDITIONS

Type of Waste Causing Impact (crude oil, condensate, produced water, etc): Not Applicable

Site Conditions: Is location within a sensitive area (according to Rule 901e)? ☐ Y ☒ N If yes, attach evaluation.

Adjacent land use (cultivated, irrigated, dry land farming, industrial, residential, etc.): Non-crop land rangeland

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: Parachute-Irigul-Rhone 25-50% slopes

Potential receptors (water wells within 1/4 mi, surface waters, etc.): Nearest well is monitoring well Oxy operated ~ 1,121 ft to the S.E.

Nearest surface water body is the intermittent drainage located ~ 1,284 ft to the S.E.

Description of Impact (if previously provided, refer to that form or document):

Impacted Media (check):

- ☐ Soils
☐ Vegetation
☐ Groundwater
☐ Surface Water

Extent of Impact:

N/A
N/A
N/A
N/A

How Determined:

Laboratory analytical results
Visual
Visual inspection below pit liner
Visual

REMEDIATION WORKPLAN

Describe initial action taken (if previously provided, refer to that form or document):

Oxy is submitting this remediation workplan for review/approval to close Pond 1. Oxy removed all fluids prior to washing the liner; all fluids were absorbed into Oxy's water distribution system. The pond liner was sampled and disposed of at the Garfield County Landfill. Samples were collected from the pit bottom following removal of the pit liners, and were analyzed for compliance with COGCC table 910-1. All below the pit liner analytes were below 910-1 allowable concentration levels except for Arsenic (As). Oxy sampled the cap and found all analytes to be below COGCC table 910-1 standards except for As. Oxy will submit a form 4 sundry notice, requesting a different standard be applied for As based on the cap sample results, and area background samples showing naturally occurring high levels of As.

Describe how source is to be removed:

Oxy removed liquids found inside the storage pond, by redistributing them into Oxy's fluids management system for reuse; no solids were encountered. Oxy disposed of the pit liner at the Garfield County Landfill.

Describe how remediation of existing impacts is to be accomplished, including removal and disposal at an injection well or licensed facility, land treatment on site, removal of impacted groundwater, insitu bioremediation, burning of oily vegetation, etc.:

Oxy collected grab samples of the pit bottom and cap to characterize analytical concentrations found in soil below pit liner and cap. All analytes were found to be below the COGCC's Table 910-1 concentrations, except for As (below the pit liner, and cap samples). Oxy believes the As concentration identified is due to elevated concentrations of As to be present in native soil found in the region. Oxy found no evidence to suggest that soils or water below the pit liner were impacted. The pond was backfilled with native material, and was graded to be level with the pad.

Submit Page 2 with Page 1



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Page 2
REMEDATION WORKPLAN (Cont.)

OXY
Pit Closure

Tracking Number:	
Name of Operator:	
OGCC Operator No:	
Received Date:	
Well Name & No:	CC Pad 1 / 697-15-54 Pad
Facility Name & No:	

OGCC Employee:

If groundwater has been impacted, describe proposed monitoring plan (# of wells or sample points, sampling schedule, analytical methods, etc.):

No groundwater was impacted by the pond. No evidence of staining or liner compromise was identified after the removal of the liner. The Oxy contractor collected soil samples from below the pit liner to ensure environmental impacts were not present. Laboratory analytical results are attached which identify the approximate sampling location within the pit at depth and compliance with the COGCC old Table 910-1 allowable concentrations, except for As.

Describe reclamation plan. Discuss existing and new grade recontouring; method and testing of compaction alleviation; and reseeding program, including location of new seed, seed mix and noxious weed prevention. Attach diagram or drawing. Use additional sheet for description if required.

The storage pond was constructed at grade with Oxy's Cascade Creek 697-15-54 well pad, and was approximately 20 feet deep. The pit was backfilled with native material, and recontoured to be level with the pad grade to minimize stormwater runoff. Oxy's cap sample complies with COGCC Table 910-1 Standards except for As. Final pad reclamation will occur at the end of the life of the pad to include seeding and noxious weed control.

Attach samples and analytical results taken to verify remediation of impacts. Show locations of samples on an onsite schematic or drawing.

Is further site investigation required? ☐ Y ☒ N If yes, describe:

No further investigation is required, but Oxy will monitor the site for stormwater compliance and will finish remediation at the end of the life of the pad.

Final disposition of E&P waste (landtreated and disposed onsite, name of licensed disposal facility, recycling, reuse, etc.):

Oxy removed all liquids prior to closure activities. The liners were disposed of at the county land fill and the pit was backfilled and capped. The cap complies with COGCC table 910-1 standards with the exception of As. Oxy will submit a Form 4 to request a different standard.

IMPLEMENTATION SCHEDULE

Date Site Investigation Began: 08/11/2008	Date Site Investigation Completed: 11/01/2010	Date Remediation Plan Submitted: 09/10/2008
Remediation Start Date: 08/12/2008	Anticipated Completion Date: 05/01/2011	Actual Completion Date: 05/09/2011

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

Print Name: Daniel I. Padilla

Signed:

Title: Regulatory Advisor

Date: 12/2/11

OGCC Approved:

Title: FOR

Date: 06/19/2012

Chris Canfield
EPS NW Region



OXY USA WTP LP

760 Horizon Drive, Suite 101
Grand Junction, CO 81506

Pond 1 Closure Sampling

Updated: December 1, 2011 Garfield County, Colorado

0 0.005 0.01 0.02 0.03 0.04 0.05 Miles



Pond / Pit



Pit Samples



BG Samples



Cap Samples



Pond 1 BG Sampling

Updated: December 1, 2011 Garfield County, Colorado

0 0.05 0.1 0.2 0.3 0.4 0.5 Mile

Upper Loop Pipeline

Pond / Pit



Pit Samples



BG Samples



Cap Samples





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Daniel Padilla
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

Report Summary

Friday November 04, 2011

Report Number: L544028

Samples Received: 10/28/11

Client Project:

Description: Pond 1 Excavation

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,
TX - T104704245, OK-9915, PA - 68-02979

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

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

This report may not be reproduced, except in full, without written approval from ESC Lab Sciences. 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

November 04, 2011

Daniel Padilla
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

Date Received : October 28, 2011
Description : Pond 1 Excavation
Sample ID : NORTH 10-12FT
Collected By : Brennen Graff
Collection Date : 10/27/11 09:54

ESC Sample # : L544028-01

Site ID : 15-54

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Chromium, Hexavalent	U	0.71	2.0	mg/kg		3060A/7	11/04/11	1
Chromium, Trivalent	55.	0.17	2.0	mg/kg		Calc.	10/30/11	1
ORP	230			mV		2580	11/02/11	1
pH	8.2			su		9045D	10/29/11	1
Sodium Adsorption Ratio	2.8					Calc.	11/01/11	1
Specific Conductance	280			umhos/cm		9050AMo	10/30/11	1
Mercury	0.0098	0.0015	0.020	mg/kg	J	7471	11/02/11	1
Arsenic	9.5	0.32	1.0	mg/kg		6010B	10/30/11	1
Barium	250	0.050	0.25	mg/kg	V	6010B	10/30/11	1
Cadmium	0.82	0.040	0.25	mg/kg		6010B	10/30/11	1
Chromium	55.	0.085	0.50	mg/kg		6010B	10/30/11	1
Copper	6.5	0.21	1.0	mg/kg		6010B	10/30/11	1
Lead	20.	0.090	0.25	mg/kg		6010B	10/30/11	1
Nickel	22.	0.26	1.0	mg/kg		6010B	10/30/11	1
Selenium	U	0.32	1.0	mg/kg		6010B	11/02/11	1
Silver	0.60	0.16	0.50	mg/kg	P1	6010B	10/30/11	1
Zinc	34.	0.34	1.5	mg/kg		6010B	10/30/11	1
TPH (GC/FID) Low Fraction	U	0.25	0.50	mg/kg		8015D/G	10/30/11	5
Surrogate Recovery (70-130) a,a,a-Trifluorotoluene (FID)	97.1			% Rec.		602/801	10/30/11	5
Benzene	U	0.0017	0.0050	mg/kg		8260B	10/29/11	5
Toluene	U	0.0016	0.025	mg/kg		8260B	10/29/11	5
Ethylbenzene	U	0.0019	0.0050	mg/kg		8260B	10/29/11	5
Total Xylenes	U	0.0023	0.015	mg/kg		8260B	10/29/11	5
Surrogate Recovery								
Toluene-d8	103.			% Rec.		8260B	10/29/11	5
Dibromofluoromethane	117.			% Rec.		8260B	10/29/11	5
a,a,a-Trifluorotoluene	96.5			% Rec.		8260B	10/29/11	5
4-Bromofluorobenzene	94.1			% Rec.		8260B	10/29/11	5
TPH (GC/FID) High Fraction	2.7	0.77	4.0	mg/kg	J	3546/DR	11/03/11	1
Surrogate recovery(%) o-Terphenyl	68.3			% Rec.		3546/DR	11/03/11	1

U = ND (Not Detected)

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Note:

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Reported: 11/04/11 14:51 Printed: 11/04/11 14:59
L544028-01 (PH) - 8.24@21.1c



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REPORT OF ANALYSIS

Daniel Padilla
OKY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

November 04, 2011

Date Received : October 28, 2011
Description : Pond 1 Excavation
Sample ID : NORTH 10-12FT
Collected By : Brennen Graff
Collection Date : 10/27/11 09:54

ESC Sample # : L544028-01

Site ID : 15-54

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.00076	0.0060	mg/kg		8270C-S	11/03/11	1
Acenaphthene	U	0.00071	0.0060	mg/kg		8270C-S	11/03/11	1
Acenaphthylene	U	0.00057	0.0060	mg/kg		8270C-S	11/03/11	1
Benzo(a)anthracene	U	0.00092	0.0060	mg/kg		8270C-S	11/03/11	1
Benzo(a)pyrene	U	0.00062	0.0060	mg/kg		8270C-S	11/03/11	1
Benzo(b)fluoranthene	U	0.00082	0.0060	mg/kg		8270C-S	11/03/11	1
Benzo(g,h,i)perylene	U	0.0012	0.0060	mg/kg		8270C-S	11/03/11	1
Benzo(k)fluoranthene	U	0.0013	0.0060	mg/kg		8270C-S	11/03/11	1
Chrysene	U	0.0011	0.0060	mg/kg		8270C-S	11/03/11	1
Dibenz(a,h)anthracene	U	0.0011	0.0060	mg/kg		8270C-S	11/03/11	1
Fluoranthene	U	0.0010	0.0060	mg/kg		8270C-S	11/03/11	1
Fluorene	U	0.00055	0.0060	mg/kg		8270C-S	11/03/11	1
Indeno(1,2,3-cd)pyrene	U	0.0012	0.0060	mg/kg		8270C-S	11/03/11	1
Naphthalene	0.00077	0.00065	0.0060	mg/kg	J	8270C-S	11/03/11	1
Phenanthrene	U	0.00074	0.0060	mg/kg		8270C-S	11/03/11	1
Pyrene	0.0011	0.00059	0.0060	mg/kg	J	8270C-S	11/03/11	1
1-Methylnaphthalene	0.0014	0.00079	0.0060	mg/kg	J	8270C-S	11/03/11	1
2-Methylnaphthalene	0.0027	0.00059	0.0060	mg/kg	J	8270C-S	11/03/11	1
2-Chloronaphthalene	U	0.00060	0.0060	mg/kg		8270C-S	11/03/11	1
Surrogate Recovery								
Nitrobenzene-d5	87.9			% Rec.		8270C-S	11/03/11	1
2-Fluorobiphenyl	91.7			% Rec.		8270C-S	11/03/11	1
p-Terphenyl-d14	91.4			% Rec.		8270C-S	11/03/11	1

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REPORT OF ANALYSIS

Daniel Padilla
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

November 04, 2011

Date Received : October 28, 2011
Description : Pond 1 Excavation

Sample ID : NORTH CENTER 10-12FT

Collected By : Brennen Graff
Collection Date : 10/27/11 10:05

ESC Sample # : L544028-02

Site ID : 15-54

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Chromium, Hexavalent	U	0.71	2.0	mg/kg		3060A/7	11/04/11	1
Chromium, Trivalent	61.	0.17	2.0	mg/kg		Calc.	10/30/11	1
ORP	200			mV		2580	11/02/11	1
pH	8.3			su		9045D	10/29/11	1
Sodium Adsorption Ratio	2.0					Calc.	11/01/11	1
Specific Conductance	200			umhos/cm		9050AMo	10/30/11	1
Mercury	0.010	0.0015	0.020	mg/kg	J	7471	11/02/11	1
Arsenic	9.6	0.32	1.0	mg/kg		6010B	10/30/11	1
Barium	190	0.050	0.25	mg/kg		6010B	10/30/11	1
Cadmium	0.74	0.040	0.25	mg/kg		6010B	10/30/11	1
Chromium	61.	0.085	0.50	mg/kg		6010B	10/30/11	1
Copper	7.5	0.21	1.0	mg/kg		6010B	10/30/11	1
Lead	20.	0.090	0.25	mg/kg		6010B	10/30/11	1
Nickel	24.	0.26	1.0	mg/kg		6010B	10/30/11	1
Selenium	U	0.32	1.0	mg/kg		6010B	11/02/11	1
Silver	0.39	0.16	0.50	mg/kg	J	6010B	10/30/11	1
Zinc	37.	0.34	1.5	mg/kg		6010B	10/30/11	1
TPH (GC/FID) Low Fraction	U	0.25	0.50	mg/kg		8015D/G	10/30/11	5
Surrogate Recovery (70-130) a, a, a-Trifluorotoluene (FID)	98.5			% Rec.		602/801	10/30/11	5
Benzene	U	0.0017	0.0050	mg/kg		8260B	10/29/11	5
Toluene	U	0.0016	0.025	mg/kg		8260B	10/29/11	5
Ethylbenzene	U	0.0019	0.0050	mg/kg		8260B	10/29/11	5
Total Xylenes	U	0.0023	0.015	mg/kg		8260B	10/29/11	5
Surrogate Recovery								
Toluene-d8	104.			% Rec.		8260B	10/29/11	5
Dibromofluoromethane	116.			% Rec.		8260B	10/29/11	5
a, a, a-Trifluorotoluene	96.3			% Rec.		8260B	10/29/11	5
4-Bromofluorobenzene	90.7			% Rec.		8260B	10/29/11	5
TPH (GC/FID) High Fraction	1.3	0.77	4.0	mg/kg	J	3546/DR	11/03/11	1
Surrogate recovery(%) o-Terphenyl	76.5			% Rec.		3546/DR	11/03/11	1

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REPORT OF ANALYSIS

Daniel Padilla
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

November 04, 2011

Date Received : October 28, 2011
Description : Pond 1 Excavation
Sample ID : NORTH CENTER 10-12FT
Collected By : Brennen Graff
Collection Date : 10/27/11 10:05

ESC Sample # : L544028-02

Site ID : 15-54

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.00076	0.0060	mg/kg		8270C-S	11/03/11	1
Acenaphthene	U	0.00071	0.0060	mg/kg		8270C-S	11/03/11	1
Acenaphthylene	U	0.00057	0.0060	mg/kg		8270C-S	11/03/11	1
Benzo(a)anthracene	U	0.00092	0.0060	mg/kg		8270C-S	11/03/11	1
Benzo(a)pyrene	U	0.00062	0.0060	mg/kg		8270C-S	11/03/11	1
Benzo(b)fluoranthene	U	0.00082	0.0060	mg/kg		8270C-S	11/03/11	1
Benzo(g,h,i)perylene	U	0.0012	0.0060	mg/kg		8270C-S	11/03/11	1
Benzo(k)fluoranthene	U	0.0013	0.0060	mg/kg		8270C-S	11/03/11	1
Chrysene	U	0.0011	0.0060	mg/kg		8270C-S	11/03/11	1
Dibenz(a,h)anthracene	U	0.0011	0.0060	mg/kg		8270C-S	11/03/11	1
Fluoranthene	U	0.0010	0.0060	mg/kg		8270C-S	11/03/11	1
Fluorene	U	0.00055	0.0060	mg/kg		8270C-S	11/03/11	1
Indeno(1,2,3-cd)pyrene	U	0.0012	0.0060	mg/kg		8270C-S	11/03/11	1
Naphthalene	U	0.00065	0.0060	mg/kg		8270C-S	11/03/11	1
Phenanthrene	U	0.00074	0.0060	mg/kg		8270C-S	11/03/11	1
Pyrene	U	0.00059	0.0060	mg/kg		8270C-S	11/03/11	1
1-Methylnaphthalene	0.0010	0.00079	0.0060	mg/kg	J	8270C-S	11/03/11	1
2-Methylnaphthalene	0.0016	0.00059	0.0060	mg/kg	J	8270C-S	11/03/11	1
2-Chloronaphthalene	U	0.00060	0.0060	mg/kg		8270C-S	11/03/11	1
Surrogate Recovery								
Nitrobenzene-d5	81.2			% Rec.		8270C-S	11/03/11	1
2-Fluorobiphenyl	80.4			% Rec.		8270C-S	11/03/11	1
p-Terphenyl-d14	84.6			% Rec.		8270C-S	11/03/11	1

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REPORT OF ANALYSIS

Daniel Padilla
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

November 04, 2011

Date Received : October 28, 2011
Description : Pond 1 Excavation
Sample ID : CENTER 10-12FT
Collected By : Brennen Graff
Collection Date : 10/27/11 10:16

ESC Sample # : L544028-03

Site ID : 15-54

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Chromium, Hexavalent	U	0.71	2.0	mg/kg		3060A/7	11/04/11	1
Chromium, Trivalent	57.	0.17	2.0	mg/kg		Calc.	10/30/11	1
ORP	190			mV		2580	11/02/11	1
pH	8.4			su		9045D	10/29/11	1
Sodium Adsorption Ratio	2.3					Calc.	11/01/11	1
Specific Conductance	170			umhos/cm		9050AMo	10/30/11	1
Mercury	0.0093	0.0015	0.020	mg/kg	J	7471	11/02/11	1
Arsenic	10.	0.32	1.0	mg/kg		6010B	10/30/11	1
Barium	220	0.050	0.25	mg/kg		6010B	10/30/11	1
Cadmium	0.77	0.040	0.25	mg/kg		6010B	10/30/11	1
Chromium	57.	0.085	0.50	mg/kg		6010B	10/30/11	1
Copper	7.6	0.21	1.0	mg/kg		6010B	10/30/11	1
Lead	25.	0.090	0.25	mg/kg		6010B	10/30/11	1
Nickel	24.	0.26	1.0	mg/kg		6010B	10/30/11	1
Selenium	U	0.32	1.0	mg/kg		6010B	11/02/11	1
Silver	0.42	0.16	0.50	mg/kg	J	6010B	10/30/11	1
Zinc	37.	0.34	1.5	mg/kg		6010B	10/30/11	1
TPH (GC/FID) Low Fraction	U	0.25	0.50	mg/kg		8015D/G	10/31/11	5
Surrogate Recovery (70-130) a,a,a-Trifluorotoluene (FID)	96.5			% Rec.		602/801	10/31/11	5
Benzene	U	0.0017	0.0050	mg/kg		8260B	10/29/11	5
Toluene	U	0.0016	0.025	mg/kg		8260B	10/29/11	5
Ethylbenzene	U	0.0019	0.0050	mg/kg		8260B	10/29/11	5
Total Xylenes	U	0.0023	0.015	mg/kg		8260B	10/29/11	5
Surrogate Recovery								
Toluene-d8	106.			% Rec.		8260B	10/29/11	5
Dibromofluoromethane	119.			% Rec.		8260B	10/29/11	5
a,a,a-Trifluorotoluene	97.7			% Rec.		8260B	10/29/11	5
4-Bromofluorobenzene	93.1			% Rec.		8260B	10/29/11	5
TPH (GC/FID) High Fraction	2.2	0.77	4.0	mg/kg	J	3546/DR	11/03/11	1
Surrogate recovery(%) o-Terphenyl	94.1			% Rec.		3546/DR	11/03/11	1

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L544028-03 (PH) - 8.45@20.6c



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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Daniel Padilla
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

November 04, 2011

Date Received : October 28, 2011
Description : Pond 1 Excavation
Sample ID : CENTER 10-12FT
Collected By : Brennen Graff
Collection Date : 10/27/11 10:16

ESC Sample # : L544028-03

Site ID : 15-54

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.00076	0.0060	mg/kg		8270C-S	11/03/11	1
Acenaphthene	U	0.00071	0.0060	mg/kg		8270C-S	11/03/11	1
Acenaphthylene	U	0.00057	0.0060	mg/kg		8270C-S	11/03/11	1
Benzo(a)anthracene	U	0.00092	0.0060	mg/kg		8270C-S	11/03/11	1
Benzo(a)pyrene	U	0.00062	0.0060	mg/kg		8270C-S	11/03/11	1
Benzo(b)fluoranthene	U	0.00082	0.0060	mg/kg		8270C-S	11/03/11	1
Benzo(g,h,i)perylene	U	0.0012	0.0060	mg/kg		8270C-S	11/03/11	1
Benzo(k)fluoranthene	U	0.0013	0.0060	mg/kg		8270C-S	11/03/11	1
Chrysene	U	0.0011	0.0060	mg/kg		8270C-S	11/03/11	1
Dibenz(a,h)anthracene	U	0.0011	0.0060	mg/kg		8270C-S	11/03/11	1
Fluoranthene	U	0.0010	0.0060	mg/kg		8270C-S	11/03/11	1
Fluorene	U	0.00055	0.0060	mg/kg		8270C-S	11/03/11	1
Indeno(1,2,3-cd)pyrene	U	0.0012	0.0060	mg/kg		8270C-S	11/03/11	1
Naphthalene	U	0.00065	0.0060	mg/kg		8270C-S	11/03/11	1
Phenanthrene	U	0.00074	0.0060	mg/kg		8270C-S	11/03/11	1
Pyrene	0.00082	0.00059	0.0060	mg/kg	J	8270C-S	11/03/11	1
1-Methylnaphthalene	0.0012	0.00079	0.0060	mg/kg	J	8270C-S	11/03/11	1
2-Methylnaphthalene	0.0022	0.00059	0.0060	mg/kg	J	8270C-S	11/03/11	1
2-Chloronaphthalene	U	0.00060	0.0060	mg/kg		8270C-S	11/03/11	1
Surrogate Recovery								
Nitrobenzene-d5	73.6			% Rec.		8270C-S	11/03/11	1
2-Fluorobiphenyl	77.2			% Rec.		8270C-S	11/03/11	1
p-Terphenyl-d14	64.2			% Rec.		8270C-S	11/03/11	1

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REPORT OF ANALYSIS

November 04, 2011

Daniel Padilla
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

Date Received : October 28, 2011
Description : Pond 1 Excavation
Sample ID : SOUTH CENTER 10-12FT
Collected By : Brennen Graff
Collection Date : 10/27/11 10:32

ESC Sample # : L544028-04

Site ID : 15-54

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Chromium, Hexavalent	U	0.71	2.0	mg/kg		3060A/7	11/04/11	1
Chromium, Trivalent	57.	0.17	2.0	mg/kg		Calc.	10/30/11	1
ORP	190			mV		2580	11/02/11	1
pH	8.6			su		9045D	10/29/11	1
Sodium Adsorption Ratio	2.2					Calc.	11/01/11	1
Specific Conductance	160			umhos/cm		9050AMo	10/30/11	1
Mercury	0.0076	0.0015	0.020	mg/kg	J	7471	11/02/11	1
Arsenic	9.1	0.32	1.0	mg/kg		6010B	10/30/11	1
Barium	240	0.050	0.25	mg/kg		6010B	10/30/11	1
Cadmium	0.68	0.040	0.25	mg/kg		6010B	10/30/11	1
Chromium	57.	0.085	0.50	mg/kg		6010B	10/30/11	1
Copper	6.8	0.21	1.0	mg/kg		6010B	10/30/11	1
Lead	20.	0.090	0.25	mg/kg		6010B	10/30/11	1
Nickel	22.	0.26	1.0	mg/kg		6010B	10/30/11	1
Selenium	U	0.32	1.0	mg/kg		6010B	11/02/11	1
Silver	0.38	0.16	0.50	mg/kg	J	6010B	10/30/11	1
Zinc	35.	0.34	1.5	mg/kg		6010B	10/30/11	1
TPH (GC/FID) Low Fraction	U	0.25	0.50	mg/kg		8015D/G	10/30/11	5
Surrogate Recovery (70-130)								
a,a,a-Trifluorotoluene (FID)	102.			% Rec.		602/801	10/30/11	5
Benzene	U	0.0017	0.0050	mg/kg		8260B	10/29/11	5
Toluene	U	0.0016	0.025	mg/kg		8260B	10/29/11	5
Ethylbenzene	U	0.0019	0.0050	mg/kg		8260B	10/29/11	5
Total Xylenes	U	0.0023	0.015	mg/kg		8260B	10/29/11	5
Surrogate Recovery								
Toluene-d8	104.			% Rec.		8260B	10/29/11	5
Dibromofluoromethane	117.			% Rec.		8260B	10/29/11	5
a,a,a-Trifluorotoluene	96.0			% Rec.		8260B	10/29/11	5
4-Bromofluorobenzene	91.4			% Rec.		8260B	10/29/11	5
TPH (GC/FID) High Fraction	1.9	0.77	4.0	mg/kg	J	3546/DR	11/03/11	1
Surrogate recovery(%)								
o-Terphenyl	93.8			% Rec.		3546/DR	11/03/11	1

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REPORT OF ANALYSIS

Daniel Padilla
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

November 04, 2011

Date Received : October 28, 2011
Description : Pond 1 Excavation
Sample ID : SOUTH CENTER 10-12FT
Collected By : Brennen Graff
Collection Date : 10/27/11 10:32

ESC Sample # : L544028-04

Site ID : 15-54

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.00076	0.0060	mg/kg		8270C-S	11/03/11	1
Acenaphthene	U	0.00071	0.0060	mg/kg		8270C-S	11/03/11	1
Acenaphthylene	U	0.00057	0.0060	mg/kg		8270C-S	11/03/11	1
Benzo(a)anthracene	U	0.00092	0.0060	mg/kg		8270C-S	11/03/11	1
Benzo(a)pyrene	U	0.00062	0.0060	mg/kg		8270C-S	11/03/11	1
Benzo(b)fluoranthene	U	0.00082	0.0060	mg/kg		8270C-S	11/03/11	1
Benzo(g,h,i)perylene	U	0.0012	0.0060	mg/kg		8270C-S	11/03/11	1
Benzo(k)fluoranthene	U	0.0013	0.0060	mg/kg		8270C-S	11/03/11	1
Chrysene	U	0.0011	0.0060	mg/kg		8270C-S	11/03/11	1
Dibenz(a,h)anthracene	U	0.0011	0.0060	mg/kg		8270C-S	11/03/11	1
Fluoranthene	U	0.0010	0.0060	mg/kg		8270C-S	11/03/11	1
Fluorene	U	0.00055	0.0060	mg/kg		8270C-S	11/03/11	1
Indeno(1,2,3-cd)pyrene	U	0.0012	0.0060	mg/kg		8270C-S	11/03/11	1
Naphthalene	U	0.00065	0.0060	mg/kg		8270C-S	11/03/11	1
Phenanthrene	U	0.00074	0.0060	mg/kg		8270C-S	11/03/11	1
Pyrene	0.00087	0.00059	0.0060	mg/kg	J	8270C-S	11/03/11	1
1-Methylnaphthalene	0.0015	0.00079	0.0060	mg/kg	J	8270C-S	11/03/11	1
2-Methylnaphthalene	0.0027	0.00059	0.0060	mg/kg	J	8270C-S	11/03/11	1
2-Chloronaphthalene	U	0.00060	0.0060	mg/kg		8270C-S	11/03/11	1
Surrogate Recovery								
Nitrobenzene-d5	65.6			% Rec.		8270C-S	11/03/11	1
2-Fluorobiphenyl	67.5			% Rec.		8270C-S	11/03/11	1
p-Terphenyl-d14	75.9			% Rec.		8270C-S	11/03/11	1

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REPORT OF ANALYSIS

Daniel Padilla
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

November 04, 2011

Date Received : October 28, 2011
Description : Pond 1 Excavation
Sample ID : SOUTH 10-12FT
Collected By : Brennen Graff
Collection Date : 10/27/11 10:39

ESC Sample # : L544028-05

Site ID : 15-54

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Chromium, Hexavalent	U	0.71	2.0	mg/kg		3060A/7	11/04/11	1
Chromium, Trivalent	53.	0.17	2.0	mg/kg		Calc.	10/30/11	1
ORP	180			mV		2580	11/02/11	1
pH	8.6			su		9045D	10/29/11	1
Sodium Adsorption Ratio	2.4					Calc.	11/01/11	1
Specific Conductance	160			umhos/cm		9050AMo	10/30/11	1
Mercury	0.0086	0.0015	0.020	mg/kg	J	7471	11/02/11	1
Arsenic	8.0	0.32	1.0	mg/kg		6010B	10/30/11	1
Barium	250	0.050	0.25	mg/kg		6010B	10/30/11	1
Cadmium	0.62	0.040	0.25	mg/kg		6010B	10/30/11	1
Chromium	53.	0.085	0.50	mg/kg		6010B	10/30/11	1
Copper	6.3	0.21	1.0	mg/kg		6010B	10/30/11	1
Lead	18.	0.090	0.25	mg/kg		6010B	10/30/11	1
Nickel	20.	0.26	1.0	mg/kg		6010B	10/30/11	1
Selenium	U	0.32	1.0	mg/kg		6010B	11/02/11	1
Silver	0.30	0.16	0.50	mg/kg	J	6010B	10/30/11	1
Zinc	33.	0.34	1.5	mg/kg		6010B	10/30/11	1
TPH (GC/FID) Low Fraction	U	0.25	0.50	mg/kg		8015D/G	10/30/11	5
Surrogate Recovery (70-130)								
a, a, a-Trifluorotoluene (FID)	101.			% Rec.		602/801	10/30/11	5
Benzene	U	0.0017	0.0050	mg/kg		8260B	10/29/11	5
Toluene	U	0.0016	0.025	mg/kg		8260B	10/29/11	5
Ethylbenzene	U	0.0019	0.0050	mg/kg		8260B	10/29/11	5
Total Xylenes	U	0.0023	0.015	mg/kg		8260B	10/29/11	5
Surrogate Recovery								
Toluene-d8	105.			% Rec.		8260B	10/29/11	5
Dibromofluoromethane	119.			% Rec.		8260B	10/29/11	5
a, a, a-Trifluorotoluene	95.7			% Rec.		8260B	10/29/11	5
4-Bromofluorobenzene	92.7			% Rec.		8260B	10/29/11	5
TPH (GC/FID) High Fraction	240	0.77	4.0	mg/kg		3546/DR	11/02/11	1
Surrogate recovery(%)								
o-Terphenyl	51.9			% Rec.		3546/DR	11/02/11	1

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November 04, 2011

Date Received : October 28, 2011
Description : Pond 1 Excavation
Sample ID : SOUTH 10-12FT
Collected By : Brennen Graff
Collection Date : 10/27/11 10:39

ESC Sample # : L544028-05

Site ID : 15-54

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.00076	0.0060	mg/kg		8270C-S	11/03/11	1
Acenaphthene	U	0.00071	0.0060	mg/kg		8270C-S	11/03/11	1
Acenaphthylene	U	0.00057	0.0060	mg/kg		8270C-S	11/03/11	1
Benzo(a)anthracene	U	0.00092	0.0060	mg/kg		8270C-S	11/03/11	1
Benzo(a)pyrene	U	0.00062	0.0060	mg/kg		8270C-S	11/03/11	1
Benzo(b)fluoranthene	U	0.00082	0.0060	mg/kg		8270C-S	11/03/11	1
Benzo(g,h,i)perylene	U	0.0012	0.0060	mg/kg		8270C-S	11/03/11	1
Benzo(k)fluoranthene	U	0.0013	0.0060	mg/kg		8270C-S	11/03/11	1
Chrysene	U	0.0011	0.0060	mg/kg		8270C-S	11/03/11	1
Dibenz(a,h)anthracene	U	0.0011	0.0060	mg/kg		8270C-S	11/03/11	1
Fluoranthene	U	0.0010	0.0060	mg/kg		8270C-S	11/03/11	1
Fluorene	0.00090	0.00055	0.0060	mg/kg	J	8270C-S	11/03/11	1
Indeno(1,2,3-cd)pyrene	U	0.0012	0.0060	mg/kg		8270C-S	11/03/11	1
Naphthalene	0.011	0.00065	0.0060	mg/kg		8270C-S	11/03/11	1
Phenanthrene	0.0036	0.00074	0.0060	mg/kg	J	8270C-S	11/03/11	1
Pyrene	0.0010	0.00059	0.0060	mg/kg	J	8270C-S	11/03/11	1
1-Methylnaphthalene	0.013	0.00079	0.0060	mg/kg		8270C-S	11/03/11	1
2-Methylnaphthalene	0.017	0.00059	0.0060	mg/kg		8270C-S	11/03/11	1
2-Chloronaphthalene	U	0.00060	0.0060	mg/kg		8270C-S	11/03/11	1
Surrogate Recovery								
Nitrobenzene-d5	59.6			% Rec.		8270C-S	11/03/11	1
2-Fluorobiphenyl	72.4			% Rec.		8270C-S	11/03/11	1
p-Terphenyl-d14	65.2			% Rec.		8270C-S	11/03/11	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L544028-01	WG563049	SAMP	Barium	R1914594	V
	WG563049	SAMP	Silver	R1914594	P1
	WG563223	SAMP	TPH (GC/FID) High Fraction	R1919813	J
	WG563141	SAMP	Mercury	R1918672	J
	WG563652	SAMP	Naphthalene	R1920114	J
	WG563652	SAMP	Pyrene	R1920114	J
	WG563652	SAMP	1-Methylnaphthalene	R1920114	J
	WG563652	SAMP	2-Methylnaphthalene	R1920114	J
L544028-02	WG563049	SAMP	Silver	R1914594	J
	WG563223	SAMP	TPH (GC/FID) High Fraction	R1919813	J
	WG563141	SAMP	Mercury	R1918672	J
	WG563652	SAMP	1-Methylnaphthalene	R1920114	J
	WG563652	SAMP	2-Methylnaphthalene	R1920114	J
	WG563049	SAMP	Silver	R1914594	J
L544028-03	WG563223	SAMP	TPH (GC/FID) High Fraction	R1919813	J
	WG563141	SAMP	Mercury	R1918672	J
	WG563652	SAMP	Pyrene	R1920114	J
	WG563652	SAMP	1-Methylnaphthalene	R1920114	J
	WG563652	SAMP	2-Methylnaphthalene	R1920114	J
	WG563049	SAMP	Silver	R1914594	J
L544028-04	WG563223	SAMP	TPH (GC/FID) High Fraction	R1919813	J
	WG563141	SAMP	Mercury	R1918672	J
	WG563652	SAMP	Pyrene	R1920114	J
	WG563652	SAMP	1-Methylnaphthalene	R1920114	J
	WG563652	SAMP	2-Methylnaphthalene	R1920114	J
	WG563049	SAMP	Silver	R1914594	J
L544028-05	WG563141	SAMP	Mercury	R1918672	J
	WG563652	SAMP	Fluorene	R1920114	J
	WG563652	SAMP	Phenanthrene	R1920114	J
	WG563652	SAMP	Pyrene	R1920114	J

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
V	(ESC) - Additional QC Info: The sample concentration is too high to evaluate accurate spike recoveries.

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.

B015

OXY USA WTP LP- Grand Junction, CO

760 Horizon Dr., Ste 101

Grand Junction, CO 81506

Project Description: Pond 1 Excavation

Phone: (970) 263-3601

FAX:

Client Project #:

Site/Facility ID#: 15-54

Collected by: Brennen Galt

Collected by (signature): [Signature]

Packed on Ice: N

City/State Collected: Colorado

ESC Key:

P.O.#:

Rush? ☐ (Lab MUST Be Notified)

Same Day: 200%

Next Day: 100%

Two Day: 50%

Date Results Needed:

Email? ☒ No ☐ Yes

FAX? ☒ No ☐ Yes

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs
North	Grab	SS	10-12'	102711	954	3
North Center	↓				1008	3
Center	↓				1016	3
South Center	↓				1032	3
South	↓				1039	3

Alternate billing information:

CO Table 910

Report to: Daniel Padilla

Email to: daniel.padilla@oxy.com

Analysis/Container/Preservativ

V8260BTEX, GRO

DRO, SV8270PAHSIM

SAR, SPCON, PH

MRCRA8 + Cu, Ni, Zn

CR3, CR6SS

CoCode OXYGJCO (lab use only)

Template/Prelogin

Shipped Via:

Remarks/Contaminant

Sample # (lab only)

1544028-01

-02

-03

-04

-05

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

Remarks:

pH

Temp

Flow

Other

Relinquished by: (Signature)	Date: 102711	Time: 5pm	Received by: (Signature)	Date: 102711	Time: 5pm	Samples returned via: <input checked="" type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Counter	Condition: OK	(lab use only)
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:	Bottles Received: 15802		
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 102811	Time: 0900		pH Checked:	NCF:

Daniel Padilla
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

Report Summary

Monday November 14, 2011

Report Number: L545601

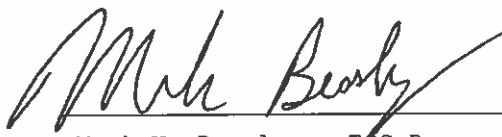
Samples Received: 11/08/11

Client Project: 900546.0005.010

Description: 697-15-54 Background

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
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AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A,
TX - T104704245, OK-9915, PA - 68-02979

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Daniel Padilla
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

November 14, 2011

Date Received : November 08, 2011
Description : 697-15-54 Background

Sample ID : 697-15-54-BG-S 18IN

Collected By : CJB/BG
Collection Date : 11/07/11 08:54

ESC Sample # : L545601-01

Site ID :

Project # : 900546.0005.010

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Chromium, Hexavalent	U	0.71	2.0	mg/kg		3060A/7	11/10/11	1
Chromium, Trivalent	61.	0.17	2.0	mg/kg		Calc.	11/11/11	1
ORP	170			mV	T8	2580	11/11/11	1
pH	7.4			su		9045D	11/10/11	1
Sodium Adsorption Ratio	0.49					Calc.	11/10/11	1
Specific Conductance	13.			umhos/cm		9050AMo	11/11/11	1
Mercury	0.0072	0.0015	0.020	mg/kg	J	7471	11/10/11	1
Arsenic	1.2	0.32	1.0	mg/kg		6010B	11/11/11	1
Barium	210	0.050	0.25	mg/kg		6010B	11/11/11	1
Cadmium	U	0.040	0.25	mg/kg		6010B	11/11/11	1
Chromium	61.	0.085	0.50	mg/kg		6010B	11/11/11	1
Copper	10.	0.21	1.0	mg/kg		6010B	11/11/11	1
Lead	11.	0.090	0.25	mg/kg		6010B	11/11/11	1
Nickel	22.	0.26	1.0	mg/kg		6010B	11/11/11	1
Selenium	1.9	0.32	1.0	mg/kg		6010B	11/11/11	1
Silver	0.48	0.16	0.50	mg/kg	J	6010B	11/11/11	1
Zinc	40.	0.34	1.5	mg/kg		6010B	11/11/11	1
TPH (GC/FID) Low Fraction	U	0.25	0.50	mg/kg		8015D/G	11/09/11	5
Surrogate Recovery (70-130) a,a,a-Trifluorotoluene(FID)	108.			% Rec.		602/801	11/09/11	5
Benzene	U	0.0017	0.0050	mg/kg		8260B	11/09/11	5
Toluene	U	0.0016	0.025	mg/kg		8260B	11/09/11	5
Ethylbenzene	U	0.0019	0.0050	mg/kg		8260B	11/09/11	5
Total Xylenes	U	0.0023	0.015	mg/kg		8260B	11/09/11	5
Surrogate Recovery								
Toluene-d8	100.			% Rec.		8260B	11/09/11	5
Dibromofluoromethane	116.			% Rec.		8260B	11/09/11	5
a,a,a-Trifluorotoluene	98.5			% Rec.		8260B	11/09/11	5
4-Bromofluorobenzene	90.8			% Rec.		8260B	11/09/11	5
TPH (GC/FID) High Fraction	1.6	0.77	4.0	mg/kg	J	3546/DR	11/12/11	1
Surrogate recovery(%) o-Terphenyl	55.5			% Rec.		3546/DR	11/12/11	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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L545601-01 (PH) - 7.37@19.5c



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REPORT OF ANALYSIS

November 14, 2011

Daniel Padilla
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

Date Received : November 08, 2011
Description : 697-15-54 Background
Sample ID : 697-15-54-BG-S 18IN
Collected By : CJB/BG
Collection Date : 11/07/11 08:54

ESC Sample # : L545601-01

Site ID :

Project # : 900546.0005.010

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.00076	0.0060	mg/kg		8270C-S	11/11/11	1
Acenaphthene	U	0.00071	0.0060	mg/kg		8270C-S	11/11/11	1
Acenaphthylene	U	0.00057	0.0060	mg/kg		8270C-S	11/11/11	1
Benzo(a)anthracene	U	0.00092	0.0060	mg/kg		8270C-S	11/11/11	1
Benzo(a)pyrene	U	0.00062	0.0060	mg/kg		8270C-S	11/11/11	1
Benzo(b)fluoranthene	U	0.00082	0.0060	mg/kg		8270C-S	11/11/11	1
Benzo(g,h,i)perylene	0.0012	0.0012	0.0060	mg/kg	J	8270C-S	11/11/11	1
Benzo(k)fluoranthene	U	0.0013	0.0060	mg/kg		8270C-S	11/11/11	1
Chrysene	U	0.0011	0.0060	mg/kg		8270C-S	11/11/11	1
Dibenz(a,h)anthracene	U	0.0011	0.0060	mg/kg		8270C-S	11/11/11	1
Fluoranthene	U	0.0010	0.0060	mg/kg		8270C-S	11/11/11	1
Fluorene	U	0.00055	0.0060	mg/kg		8270C-S	11/11/11	1
Indeno(1,2,3-cd)pyrene	U	0.0012	0.0060	mg/kg		8270C-S	11/11/11	1
Naphthalene	U	0.00065	0.0060	mg/kg		8270C-S	11/11/11	1
Phenanthrene	U	0.00074	0.0060	mg/kg		8270C-S	11/11/11	1
Pyrene	U	0.00059	0.0060	mg/kg		8270C-S	11/11/11	1
1-Methylnaphthalene	U	0.00079	0.0060	mg/kg		8270C-S	11/11/11	1
2-Methylnaphthalene	U	0.00059	0.0060	mg/kg		8270C-S	11/11/11	1
2-Chloronaphthalene	0.0038	0.00060	0.0060	mg/kg	J	8270C-S	11/11/11	1
Surrogate Recovery								
Nitrobenzene-d5	76.7			% Rec.		8270C-S	11/11/11	1
2-Fluorobiphenyl	71.4			% Rec.		8270C-S	11/11/11	1
p-Terphenyl-d14	68.5			% Rec.		8270C-S	11/11/11	1

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REPORT OF ANALYSIS

November 14, 2011

Daniel Padilla
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

Date Received : November 08, 2011
Description : 697-15-54 Background
Sample ID : 697-15-54-BG-SE 14IN
Collected By : CJB/BG
Collection Date : 11/07/11 09:08

ESC Sample # : L545601-02

Site ID :

Project # : 900546.0005.010

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Chromium, Hexavalent	U	0.71	2.0	mg/kg		3060A/7	11/10/11	1
Chromium, Trivalent	49.	0.17	2.0	mg/kg		Calc.	11/11/11	1
ORP	180			mV	T8	2580	11/11/11	1
pH	6.7			su		9045D	11/10/11	1
Sodium Adsorption Ratio	1.2					Calc.	11/10/11	1
Specific Conductance	0.16			umhos/cm		9050AMo	11/11/11	1
Mercury	0.0085	0.0015	0.020	mg/kg	J	7471	11/10/11	1
Arsenic	0.62	0.32	1.0	mg/kg	J	6010B	11/11/11	1
Barium	350	0.050	0.25	mg/kg		6010B	11/11/11	1
Cadmium	U	0.040	0.25	mg/kg		6010B	11/11/11	1
Chromium	49.	0.085	0.50	mg/kg		6010B	11/11/11	1
Copper	12.	0.21	1.0	mg/kg		6010B	11/11/11	1
Lead	13.	0.090	0.25	mg/kg		6010B	11/11/11	1
Nickel	22.	0.26	1.0	mg/kg		6010B	11/11/11	1
Selenium	1.8	0.32	1.0	mg/kg		6010B	11/11/11	1
Silver	0.46	0.16	0.50	mg/kg	J	6010B	11/11/11	1
Zinc	45.	0.34	1.5	mg/kg		6010B	11/11/11	1
TPH (GC/FID) Low Fraction	U	0.25	0.50	mg/kg		8015D/G	11/09/11	5
Surrogate Recovery (70-130) a,a,a-Trifluorotoluene(FID)	107.			% Rec.		602/801	11/09/11	5
Benzene	U	0.0017	0.0050	mg/kg		8260B	11/09/11	5
Toluene	U	0.0016	0.025	mg/kg		8260B	11/09/11	5
Ethylbenzene	U	0.0019	0.0050	mg/kg		8260B	11/09/11	5
Total Xylenes	U	0.0023	0.015	mg/kg		8260B	11/09/11	5
Surrogate Recovery								
Toluene-d8	103.			% Rec.		8260B	11/09/11	5
Dibromofluoromethane	120.			% Rec.		8260B	11/09/11	5
a,a,a-Trifluorotoluene	100.			% Rec.		8260B	11/09/11	5
4-Bromofluorobenzene	89.4			% Rec.		8260B	11/09/11	5
TPH (GC/FID) High Fraction	2.0	0.77	4.0	mg/kg	J	3546/DR	11/12/11	1
Surrogate recovery(%) o-Terphenyl	64.0			% Rec.		3546/DR	11/12/11	1

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L545601-02 (PH) - 6.68@19.7c



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REPORT OF ANALYSIS

November 14, 2011

Daniel Padilla
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

Date Received : November 08, 2011
Description : 697-15-54 Background
Sample ID : 697-15-54-BG-SE 14IN
Collected By : CJB/BG
Collection Date : 11/07/11 09:08

ESC Sample # : L545601-02

Site ID :

Project # : 900546.0005.010

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.00076	0.0060	mg/kg		8270C-S	11/11/11	1
Acenaphthene	U	0.00071	0.0060	mg/kg		8270C-S	11/11/11	1
Acenaphthylene	U	0.00057	0.0060	mg/kg		8270C-S	11/11/11	1
Benzo(a)anthracene	U	0.00092	0.0060	mg/kg		8270C-S	11/11/11	1
Benzo(a)pyrene	U	0.00062	0.0060	mg/kg		8270C-S	11/11/11	1
Benzo(b)fluoranthene	U	0.00082	0.0060	mg/kg		8270C-S	11/11/11	1
Benzo(g,h,i)perylene	U	0.0012	0.0060	mg/kg		8270C-S	11/11/11	1
Benzo(k)fluoranthene	U	0.0013	0.0060	mg/kg		8270C-S	11/11/11	1
Chrysene	U	0.0011	0.0060	mg/kg		8270C-S	11/11/11	1
Dibenz(a,h)anthracene	U	0.0011	0.0060	mg/kg		8270C-S	11/11/11	1
Fluoranthene	U	0.0010	0.0060	mg/kg		8270C-S	11/11/11	1
Fluorene	U	0.00055	0.0060	mg/kg		8270C-S	11/11/11	1
Indeno(1,2,3-cd)pyrene	U	0.0012	0.0060	mg/kg		8270C-S	11/11/11	1
Naphthalene	U	0.00065	0.0060	mg/kg		8270C-S	11/11/11	1
Phenanthrene	0.00090	0.00074	0.0060	mg/kg	J	8270C-S	11/11/11	1
Pyrene	U	0.00059	0.0060	mg/kg		8270C-S	11/11/11	1
1-Methylnaphthalene	U	0.00079	0.0060	mg/kg		8270C-S	11/11/11	1
2-Methylnaphthalene	U	0.00059	0.0060	mg/kg		8270C-S	11/11/11	1
2-Chloronaphthalene	0.0030	0.00060	0.0060	mg/kg	J	8270C-S	11/11/11	1
Surrogate Recovery								
Nitrobenzene-d5	77.3			% Rec.		8270C-S	11/11/11	1
2-Fluorobiphenyl	75.6			% Rec.		8270C-S	11/11/11	1
p-Terphenyl-d14	71.1			% Rec.		8270C-S	11/11/11	1

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L545601-02 (PH) - 6.68@19.7c

REPORT OF ANALYSIS

Daniel Padilla
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

November 14, 2011

Date Received : November 08, 2011
Description : 697-15-54 Background
Sample ID : 697-15-54-BG-E 9IN
Collected By : CJB/BG
Collection Date : 11/07/11 09:22

ESC Sample # : L545601-03

Site ID :

Project # : 900546.0005.010

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Chromium, Hexavalent	U	0.71	2.0	mg/kg		3060A/7	11/10/11	1
Chromium, Trivalent	41.	0.17	2.0	mg/kg		Calc.	11/11/11	1
ORP	170			mV	T8	2580	11/11/11	1
pH	6.7			su		9045D	11/10/11	1
Sodium Adsorption Ratio	0.79					Calc.	11/10/11	1
Specific Conductance	12.			umhos/cm		9050AMo	11/11/11	1
Mercury	0.014	0.0015	0.020	mg/kg	J	7471	11/10/11	1
Arsenic	0.73	0.32	1.0	mg/kg	J	6010B	11/11/11	1
Barium	370	0.050	0.25	mg/kg		6010B	11/11/11	1
Cadmium	U	0.040	0.25	mg/kg		6010B	11/11/11	1
Chromium	41.	0.085	0.50	mg/kg		6010B	11/11/11	1
Copper	8.8	0.21	1.0	mg/kg		6010B	11/11/11	1
Lead	15.	0.090	0.25	mg/kg		6010B	11/11/11	1
Nickel	18.	0.26	1.0	mg/kg		6010B	11/11/11	1
Selenium	2.2	0.32	1.0	mg/kg		6010B	11/11/11	1
Silver	0.50	0.16	0.50	mg/kg		6010B	11/11/11	1
Zinc	48.	0.34	1.5	mg/kg		6010B	11/11/11	1
TPH (GC/FID) Low Fraction	U	0.25	0.50	mg/kg		8015D/G	11/08/11	5
Surrogate Recovery (70-130) a,a,a-Trifluorotoluene (FID)	109.			% Rec.		602/801	11/08/11	5
Benzene	U	0.0017	0.0050	mg/kg		8260B	11/09/11	5
Toluene	U	0.0016	0.025	mg/kg		8260B	11/09/11	5
Ethylbenzene	U	0.0019	0.0050	mg/kg		8260B	11/09/11	5
Total Xylenes	U	0.0023	0.015	mg/kg		8260B	11/09/11	5
Surrogate Recovery								
Toluene-d8	101.			% Rec.		8260B	11/09/11	5
Dibromofluoromethane	117.			% Rec.		8260B	11/09/11	5
a,a,a-Trifluorotoluene	101.			% Rec.		8260B	11/09/11	5
4-Bromofluorobenzene	95.9			% Rec.		8260B	11/09/11	5
TPH (GC/FID) High Fraction	1.6	0.77	4.0	mg/kg	J	3546/DR	11/12/11	1
Surrogate recovery(%) o-Terphenyl	65.2			% Rec.		3546/DR	11/12/11	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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L545601-03 (PH) - 6.71@19.4c



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REPORT OF ANALYSIS

Daniel Padilla
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

November 14, 2011

Date Received : November 08, 2011
Description : 697-15-54 Background
Sample ID : 697-15-54-BG-E 9IN
Collected By : CJB/BG
Collection Date : 11/07/11 09:22

ESC Sample # : L545601-03

Site ID :

Project # : 900546.0005.010

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.00076	0.0060	mg/kg		8270C-S	11/11/11	1
Acenaphthene	U	0.00071	0.0060	mg/kg		8270C-S	11/11/11	1
Acenaphthylene	U	0.00057	0.0060	mg/kg		8270C-S	11/11/11	1
Benzo(a)anthracene	U	0.00092	0.0060	mg/kg		8270C-S	11/11/11	1
Benzo(a)pyrene	U	0.00062	0.0060	mg/kg		8270C-S	11/11/11	1
Benzo(b)fluoranthene	U	0.00082	0.0060	mg/kg		8270C-S	11/11/11	1
Benzo(g,h,i)perylene	U	0.0012	0.0060	mg/kg		8270C-S	11/11/11	1
Benzo(k)fluoranthene	U	0.0013	0.0060	mg/kg		8270C-S	11/11/11	1
Chrysene	U	0.0011	0.0060	mg/kg		8270C-S	11/11/11	1
Dibenz(a,h)anthracene	U	0.0011	0.0060	mg/kg		8270C-S	11/11/11	1
Fluoranthene	U	0.0010	0.0060	mg/kg		8270C-S	11/11/11	1
Fluorene	U	0.00055	0.0060	mg/kg		8270C-S	11/11/11	1
Indeno(1,2,3-cd)pyrene	U	0.0012	0.0060	mg/kg		8270C-S	11/11/11	1
Naphthalene	U	0.00065	0.0060	mg/kg		8270C-S	11/11/11	1
Phenanthrene	U	0.00074	0.0060	mg/kg		8270C-S	11/11/11	1
Pyrene	U	0.00059	0.0060	mg/kg		8270C-S	11/11/11	1
1-Methylnaphthalene	U	0.00079	0.0060	mg/kg		8270C-S	11/11/11	1
2-Methylnaphthalene	U	0.00059	0.0060	mg/kg		8270C-S	11/11/11	1
2-Chloronaphthalene	0.00075	0.00060	0.0060	mg/kg	J	8270C-S	11/11/11	1
Surrogate Recovery								
Nitrobenzene-d5	82.0			% Rec.		8270C-S	11/11/11	1
2-Fluorobiphenyl	73.9			% Rec.		8270C-S	11/11/11	1
p-Terphenyl-d14	78.6			% Rec.		8270C-S	11/11/11	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: 11/14/11 11:56 Printed: 11/14/11 11:57

L545601-03 (PH) - 6.71@19.4c



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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Daniel Padilla
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

November 14, 2011

Date Received : November 08, 2011
Description : 697-15-54 Background
Sample ID : 697-15-54-BG-N 13IN
Collected By : CJB/BG
Collection Date : 11/07/11 09:36

ESC Sample # : L545601-04
Site ID :
Project # : 900546.0005.010

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Chromium, Hexavalent	U	0.71	2.0	mg/kg		3060A/7	11/10/11	1
Chromium, Trivalent	36.	0.17	2.0	mg/kg		Calc.	11/11/11	1
ORP	190			mV	T8	2580	11/11/11	1
pH	5.7			su		9045D	11/10/11	1
Sodium Adsorption Ratio	0.59					Calc.	11/12/11	1
Specific Conductance	26.			umhos/cm		9050AMo	11/11/11	1
Mercury	0.0060	0.0015	0.020	mg/kg	J	7471	11/10/11	1
Arsenic	1.4	0.32	1.0	mg/kg		6010B	11/11/11	1
Barium	190	0.050	0.25	mg/kg		6010B	11/11/11	1
Cadmium	U	0.040	0.25	mg/kg		6010B	11/11/11	1
Chromium	36.	0.085	0.50	mg/kg		6010B	11/11/11	1
Copper	9.4	0.21	1.0	mg/kg		6010B	11/11/11	1
Lead	13.	0.090	0.25	mg/kg		6010B	11/11/11	1
Nickel	18.	0.26	1.0	mg/kg		6010B	11/11/11	1
Selenium	2.3	0.32	1.0	mg/kg		6010B	11/11/11	1
Silver	0.45	0.16	0.50	mg/kg	J	6010B	11/11/11	1
Zinc	37.	0.34	1.5	mg/kg		6010B	11/11/11	1
TPH (GC/FID) Low Fraction	U	0.25	0.50	mg/kg		8015D/G	11/08/11	5
Surrogate Recovery (70-130) a,a,a-Trifluorotoluene (FID)	93.2			% Rec.		602/801	11/08/11	5
Benzene	U	0.0017	0.0050	mg/kg		8260B	11/09/11	5
Toluene	U	0.0016	0.025	mg/kg		8260B	11/09/11	5
Ethylbenzene	U	0.0019	0.0050	mg/kg		8260B	11/09/11	5
Total Xylenes	U	0.0023	0.015	mg/kg		8260B	11/09/11	5
Surrogate Recovery								
Toluene-d8	103.			% Rec.		8260B	11/09/11	5
Dibromofluoromethane	120.			% Rec.		8260B	11/09/11	5
a,a,a-Trifluorotoluene	102.			% Rec.		8260B	11/09/11	5
4-Bromofluorobenzene	87.9			% Rec.		8260B	11/09/11	5
TPH (GC/FID) High Fraction	4.2	0.77	4.0	mg/kg		3546/DR	11/12/11	1
Surrogate recovery (%) o-Terphenyl	61.5			% Rec.		3546/DR	11/12/11	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

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Note:

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L545601-04 (PH) - 5.73@19.6c



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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Daniel Padilla
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

November 14, 2011

Date Received : November 08, 2011
Description : 697-15-54 Background
Sample ID : 697-15-54-BG-N 13IN
Collected By : CJB/BG
Collection Date : 11/07/11 09:36

ESC Sample # : L545601-04

Site ID :

Project # : 900546.0005.010

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.00076	0.0060	mg/kg		8270C-S	11/11/11	1
Acenaphthene	U	0.00071	0.0060	mg/kg		8270C-S	11/11/11	1
Acenaphthylene	U	0.00057	0.0060	mg/kg		8270C-S	11/11/11	1
Benzo(a)anthracene	U	0.00092	0.0060	mg/kg		8270C-S	11/11/11	1
Benzo(a)pyrene	0.00078	0.00062	0.0060	mg/kg	J	8270C-S	11/11/11	1
Benzo(b)fluoranthene	U	0.00082	0.0060	mg/kg		8270C-S	11/11/11	1
Benzo(g,h,i)perylene	0.0015	0.0012	0.0060	mg/kg	J	8270C-S	11/11/11	1
Benzo(k)fluoranthene	U	0.0013	0.0060	mg/kg		8270C-S	11/11/11	1
Chrysene	U	0.0011	0.0060	mg/kg		8270C-S	11/11/11	1
Dibenz(a,h)anthracene	U	0.0011	0.0060	mg/kg		8270C-S	11/11/11	1
Fluoranthene	U	0.0010	0.0060	mg/kg		8270C-S	11/11/11	1
Fluorene	U	0.00055	0.0060	mg/kg		8270C-S	11/11/11	1
Indeno(1,2,3-cd)pyrene	U	0.0012	0.0060	mg/kg		8270C-S	11/11/11	1
Naphthalene	U	0.00065	0.0060	mg/kg		8270C-S	11/11/11	1
Phenanthrene	U	0.00074	0.0060	mg/kg		8270C-S	11/11/11	1
Pyrene	U	0.00059	0.0060	mg/kg		8270C-S	11/11/11	1
1-Methylnaphthalene	U	0.00079	0.0060	mg/kg		8270C-S	11/11/11	1
2-Methylnaphthalene	0.00065	0.00059	0.0060	mg/kg	J	8270C-S	11/11/11	1
2-Chloronaphthalene	U	0.00060	0.0060	mg/kg		8270C-S	11/11/11	1
Surrogate Recovery								
Nitrobenzene-d5	98.2			% Rec.		8270C-S	11/11/11	1
2-Fluorobiphenyl	85.4			% Rec.		8270C-S	11/11/11	1
p-Terphenyl-d14	60.1			% Rec.		8270C-S	11/11/11	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: 11/14/11 11:56 Printed: 11/14/11 11:57

L545601-04 (PH) - 5.73@19.6c

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L545601-01	WG564727	SAMP	Silver	R1928674	J
	WG564554	SAMP	TPH (GC/FID) High Fraction	R1929832	J
	WG564626	SAMP	Mercury	R1927299	J
	WG564558	SAMP	Benzo(g,h,i)perylene	R1928792	J
	WG564558	SAMP	2-Chloronaphthalene	R1928792	J
	WG565090	SAMP	ORP	R1928893	T8
L545601-02	WG564727	SAMP	Arsenic	R1928674	J
	WG564727	SAMP	Silver	R1928674	J
	WG564554	SAMP	TPH (GC/FID) High Fraction	R1929832	J
	WG564626	SAMP	Mercury	R1927299	J
	WG564558	SAMP	Phenanthrene	R1928792	J
	WG564558	SAMP	2-Chloronaphthalene	R1928792	J
L545601-03	WG565090	SAMP	ORP	R1928893	T8
	WG564727	SAMP	Arsenic	R1928674	J
	WG564554	SAMP	TPH (GC/FID) High Fraction	R1929832	J
	WG564626	SAMP	Mercury	R1927299	J
	WG564558	SAMP	2-Chloronaphthalene	R1928792	J
	WG565090	SAMP	ORP	R1928893	T8
L545601-04	WG564727	SAMP	Silver	R1928674	J
	WG564626	SAMP	Mercury	R1927299	J
	WG564558	SAMP	Benzo(a)pyrene	R1928792	J
	WG564558	SAMP	Benzo(g,h,i)perylene	R1928792	J
	WG564558	SAMP	2-Methylnaphthalene	R1928792	J
	WG565090	SAMP	ORP	R1928893	T8

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.
T8	(ESC) - Additional method/sample information: Sample(s) received past/too close to holding time expiration.

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
11/14/11 at 11:57:25

TSR Signing Reports: 134
R5 - Desired TAT

Sample: L545601-01 Account: OXYGJCO Received: 11/08/11 09:00 Due Date: 11/15/11 00:00 RPT Date: 11/14/11 11:56
Sample: L545601-02 Account: OXYGJCO Received: 11/08/11 09:00 Due Date: 11/15/11 00:00 RPT Date: 11/14/11 11:56
Sample: L545601-03 Account: OXYGJCO Received: 11/08/11 09:00 Due Date: 11/15/11 00:00 RPT Date: 11/14/11 11:56
Sample: L545601-04 Account: OXYGJCO Received: 11/08/11 09:00 Due Date: 11/15/11 00:00 RPT Date: 11/14/11 11:56

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

Alternate billing information:

CO Table 910

Report to:

Email to: *Blaire Robbins*
Daniel Phillips @oxy.com

Project Description: *697-15-54 Background*

Phone: (970) 263-3601
 FAX:

Client Project #: *900546.0005.010*

Site/Facility ID#:

Collected by: *GSB & BC*

Collected by (signature): *[Signature]*

Packed on Ice N *Y*

Date Results Needed:
 Email? ☒ No ☒ Yes
 FAX? ☐ No ☐ Yes

☒ Rush? (Lab MUST Be Notified)
 Same Day.....200%
 Next Day.....100%
 Two Day.....50%

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs
<i>697-15-54-BG-S</i>	<i>Grab</i>	<i>SS</i>	<i>15"</i>	<i>11/7/11</i>	<i>8:54</i>	<i>3</i>
<i>697-15-54-BG-SE</i>	<i>Grab</i>	<i>SS</i>	<i>14"</i>	<i>11/7/11</i>	<i>9:08</i>	<i>3</i>
<i>697-15-54-BG-E</i>	<i>Grab</i>	<i>SS</i>	<i>9"</i>	<i>11/7/11</i>	<i>9:22</i>	<i>3</i>
<i>697-15-54-BG-N</i>	<i>Grab</i>	<i>SS</i>	<i>13"</i>	<i>11/7/11</i>	<i>9:36</i>	<i>3</i>

Analysis/Container/Preservative

F168

V8260BTEX, GRO
 DRO, SV8270PAHSIM
 SAR, SPCON, PH
 MRCRA8 + Cu, Ni, Zn
 CR3, CR6SS

CoCode OXYGJCO (lab use only)
 Template/Prelogin
 Shipped Via:

Remarks/Contaminant
 Sample # (lab only)
1545601-01
-02
-03
-04

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

pH _____ Temp _____

Flow _____ Other _____

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

Remarks:

5040 0001 2912

Relinquished by: (Signature) <i>[Signature]</i>	Date: <i>11/7/11</i>	Time: <i>5:00</i>	Received by: (Signature) <i>[Signature]</i>	Date: <i>11/7/11</i>	Time: <i>5:00</i>	Samples returned via: <input checked="" type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier	Condition: (lab use only) <i>OK</i>
Relinquished by: (Signature) <i>[Signature]</i>	Date: _____	Time: _____	Received by: (Signature) <i>[Signature]</i>	Date: _____	Time: _____	Bottles Received: <i>3.4" 12 802</i>	
Relinquished by: (Signature) <i>[Signature]</i>	Date: _____	Time: _____	Received for lab by: (Signature) <i>[Signature]</i>	Date: <i>11-8-11</i>	Time: <i>0900</i>	pH Checked: _____	NCF: _____

Daniel Padilla
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

Report Summary

Thursday December 01, 2011

Report Number: L548307

Samples Received: 11/23/11

Client Project:

Description: Pond 1 Excavation

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,
TX - T104704245, OK-9915, PA - 68-02979

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Est. 1970

REPORT OF ANALYSIS

December 01, 2011

Daniel Padilla
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

ESC Sample # : L548307-01

Date Received : November 23, 2011
Description : Pond 1

Site ID : 15-54

Sample ID : POND 1 RP CAP 4-6IN

Project # :

Collected By : Brennen Graff
Collection Date : 11/22/11 12:04

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Chromium, Hexavalent	U	0.71	2.0	mg/kg		3060A/7	11/29/11	1
Chromium, Trivalent	50.	0.17	2.0	mg/kg		Calc.	11/27/11	1
ORP	100			mV	T8	2580	11/30/11	1
pH	8.3			su		9045D	11/29/11	1
Sodium Adsorption Ratio	2.0					Calc.	11/30/11	1
Specific Conductance	150			umhos/cm		9050AMo	11/28/11	1
Mercury	0.0079	0.0015	0.020	mg/kg	J	7471	11/23/11	1
Arsenic	9.2	0.32	1.0	mg/kg		6010B	11/27/11	1
Barium	230	0.050	0.25	mg/kg		6010B	11/27/11	1
Cadmium	0.14	0.040	0.25	mg/kg	J	6010B	11/27/11	1
Chromium	50.	0.085	0.50	mg/kg		6010B	11/27/11	1
Copper	10.	0.21	1.0	mg/kg		6010B	11/27/11	1
Lead	15.	0.090	0.25	mg/kg		6010B	11/27/11	1
Nickel	22.	0.26	1.0	mg/kg		6010B	11/27/11	1
Selenium	2.3	0.32	1.0	mg/kg		6010B	11/28/11	1
Silver	0.36	0.16	0.50	mg/kg	J	6010B	11/27/11	1
Zinc	34.	0.34	1.5	mg/kg		6010B	11/27/11	1
TPH (GC/FID) Low Fraction	U	0.25	0.50	mg/kg		8015D/G	11/23/11	5
Surrogate Recovery (70-130) a,a,a-Trifluorotoluene (FID)	97.1			% Rec.		602/801	11/23/11	5
Benzene	U	0.0017	0.0050	mg/kg		8260B	11/24/11	5
Toluene	U	0.0016	0.025	mg/kg		8260B	11/24/11	5
Ethylbenzene	U	0.0019	0.0050	mg/kg		8260B	11/24/11	5
Total Xylenes	U	0.0023	0.015	mg/kg		8260B	11/24/11	5
Surrogate Recovery				% Rec.				
Toluene-d8	106.			% Rec.		8260B	11/24/11	5
Dibromofluoromethane	100.			% Rec.		8260B	11/24/11	5
a,a,a-Trifluorotoluene	104.			% Rec.		8260B	11/24/11	5
4-Bromofluorobenzene	90.9			% Rec.		8260B	11/24/11	5
TPH (GC/FID) High Fraction	U	0.77	4.0	mg/kg		3546/DR	11/25/11	1
Surrogate recovery(%) o-Terphenyl	57.0			% Rec.		3546/DR	11/25/11	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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Reported: 12/01/11 09:52 Printed: 12/01/11 09:58
L548307-01 (PH) - 8.26@19.3c



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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Daniel Padilla
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

December 01, 2011

Date Received : November 23, 2011
Description : Pond 1
Sample ID : POND 1 RP CAP 4-6IN
Collected By : Brennen Graff
Collection Date : 11/22/11 12:04

ESC Sample # : L548307-01

Site ID : 15-54

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.00076	0.0060	mg/kg		8270C-S	11/24/11	1
Acenaphthene	U	0.00071	0.0060	mg/kg		8270C-S	11/24/11	1
Acenaphthylene	U	0.00057	0.0060	mg/kg		8270C-S	11/24/11	1
Benzo(a)anthracene	U	0.00092	0.0060	mg/kg		8270C-S	11/24/11	1
Benzo(a)pyrene	U	0.00062	0.0060	mg/kg		8270C-S	11/24/11	1
Benzo(b)fluoranthene	U	0.00082	0.0060	mg/kg		8270C-S	11/24/11	1
Benzo(g,h,i)perylene	U	0.0012	0.0060	mg/kg		8270C-S	11/24/11	1
Benzo(k)fluoranthene	U	0.0013	0.0060	mg/kg		8270C-S	11/24/11	1
Chrysene	U	0.0011	0.0060	mg/kg		8270C-S	11/24/11	1
Dibenz(a,h)anthracene	U	0.0011	0.0060	mg/kg		8270C-S	11/24/11	1
Fluoranthene	U	0.0010	0.0060	mg/kg		8270C-S	11/24/11	1
Fluorene	U	0.00055	0.0060	mg/kg		8270C-S	11/24/11	1
Indeno(1,2,3-cd)pyrene	U	0.0012	0.0060	mg/kg		8270C-S	11/24/11	1
Naphthalene	U	0.00065	0.0060	mg/kg		8270C-S	11/24/11	1
Phenanthrene	U	0.00074	0.0060	mg/kg		8270C-S	11/24/11	1
Pyrene	U	0.00059	0.0060	mg/kg		8270C-S	11/24/11	1
1-Methylnaphthalene	U	0.00079	0.0060	mg/kg		8270C-S	11/24/11	1
2-Methylnaphthalene	U	0.00059	0.0060	mg/kg		8270C-S	11/24/11	1
2-Chloronaphthalene	U	0.00060	0.0060	mg/kg		8270C-S	11/24/11	1
Surrogate Recovery								
Nitrobenzene-d5	86.0			% Rec.		8270C-S	11/24/11	1
2-Fluorobiphenyl	87.9			% Rec.		8270C-S	11/24/11	1
p-Terphenyl-d14	80.6			% Rec.		8270C-S	11/24/11	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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Reported: 12/01/11 09:52 Printed: 12/01/11 09:58
L548307-01 (PH) - 8.26@19.3c

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L548307-01	WG567266	SAMP	Cadmium	R1947244	J
	WG567266	SAMP	Silver	R1947244	J
	WG567131	SAMP	Mercury	R1944313	J
	WG567573	SAMP	ORP	R1950672	T8

Attachment B
Explanation of QC Qualifier Codes



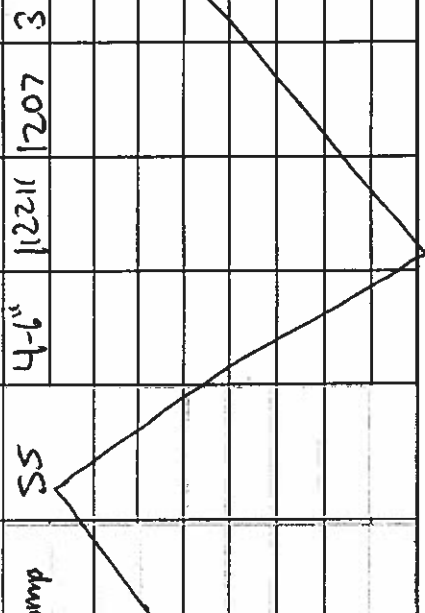






Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.
T8	(ESC) - Additional method/sample information: Sample(s) received past/too close to holding time expiration.

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.

OXY USA WTP LP- Grand Junction, CO 760 Horizon Dr., Ste 101 Grand Junction, CO 81506				Alternate billing information: CO Table 910		Analysis/Container/Preservative		Chain of Custody Page <u>1</u> of <u>1</u>			
Project Description: Pond 1 Phone: (970) 263-3601 FAX:				Report to: Daniel Audilla Email to: daniel.audilla@oxy.com City/State Collected: Colorado		Prepared by: C190 ENVIRONMENTAL SCIENCE CORP. 12065 Lebanon Road Mt. Juliet, TN 37122 Phone (615) 758-5858 Phone (800) 767-5859 FAX (615) 758-5859		CoCode OXYGJCO (lab use only) Template/Prelogin Shipped Via:			
Collected by: Brown Graft Collected by (signature):  Packed on Ice N 				Client Project #:		ESC Key:		Samples returned via: <input checked="" type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier			
Site/Facility ID#: 15-54 <input checked="" type="checkbox"/> Rush? (Lab MUST Be Notified) Same Day.....200% Next Day.....100% Two Day.....50%				Date Results Needed: Email? <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Yes FAX? <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Yes		Date 11/22/11		Time 1207			
Sample ID Pond 1 RP Cap				Comp/Grab Comp		Depth 4-6"		No. of Cntrs 3			
<div style="text-align: center;">  </div>				Matrix* SS		Date 11/22/11		Time 1207			
Remarks: 5040 0621 2820				Matrix: SS - Soil/Solid		GW - Groundwater		WW - WasteWater			
Relinquished by: (Signature) 				Date: 11/22/11		Time: 5pm		Received by: (Signature) 			
Relinquished by: (Signature) 				Date:		Time:		Received by: (Signature) 			
Relinquished by: (Signature) 				Date:		Time:		Received by: (Signature) 			
Condition:				Samples returned via: <input checked="" type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier		Temp: 34		Bottles Received: 3 802			
pH Checked:				Date: 11/23/11		Time: 0900		NCF:			

Blair Rollins
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

Report Summary

Tuesday June 21, 2011

Report Number: L520529

Samples Received: 06/11/11

Client Project: 900546.0001.050

Description: 697-16-28-Pit Background

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

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REPORT OF ANALYSIS

June 21, 2011

Blair Rollins
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

ESC Sample # : L520529-01

Date Received : June 11, 2011
Description : 697-16-28-Pit Background

Site ID :

Sample ID : SS-1

Project # : 900546.0001.050

Collected By : CJB
Collection Date : 06/10/11 09:15

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Chromium, Hexavalent	U	0.71	2.0	mg/kg		3060A/7	06/17/11	1
Chromium, Trivalent	49.	0.17	2.0	mg/kg		Calc.	06/15/11	1
ORP	79.			mV		2580	06/17/11	1
pH	8.6			su		9045D	06/17/11	1
Sodium Adsorption Ratio	1.8					Calc.	06/15/11	1
Specific Conductance	100			umhos/cm		9050AMo	06/17/11	1
Mercury	0.031	0.0015	0.020	mg/kg		7471	06/16/11	1
Arsenic	12.	0.32	1.0	mg/kg		6010B	06/15/11	1
Barium	280	0.050	0.25	mg/kg		6010B	06/15/11	1
Cadmium	1.6	0.040	0.25	mg/kg		6010B	06/15/11	1
Chromium	49.	0.085	0.50	mg/kg		6010B	06/15/11	1
Copper	21.	0.21	1.0	mg/kg		6010B	06/15/11	1
Lead	14.	0.090	0.25	mg/kg	B	6010B	06/16/11	1
Nickel	29.	0.26	1.0	mg/kg		6010B	06/15/11	1
Selenium	0.59	0.32	1.0	mg/kg	J	6010B	06/15/11	1
Silver	U	0.16	0.50	mg/kg		6010B	06/15/11	1
Zinc	59.	0.34	1.5	mg/kg		6010B	06/15/11	1
TPH (GC/FID) Low Fraction	U	0.25	0.50	mg/kg		8015D/G	06/13/11	5
Surrogate Recovery (70-130) a,a,a-Trifluorotoluene (FID)	94.4			% Rec.		602/801	06/13/11	5
Benzene	U	0.0021	0.0050	mg/kg		8260B	06/13/11	5
Toluene	U	0.0017	0.025	mg/kg		8260B	06/13/11	5
Ethylbenzene	U	0.0016	0.0050	mg/kg		8260B	06/13/11	5
Total Xylenes	U	0.0023	0.015	mg/kg		8260B	06/13/11	5
Surrogate Recovery								
Toluene-d8	105.			% Rec.		8260B	06/13/11	5
Dibromofluoromethane	108.			% Rec.		8260B	06/13/11	5
a,a,a-Trifluorotoluene	105.			% Rec.		8260B	06/13/11	5
4-Bromofluorobenzene	96.6			% Rec.		8260B	06/13/11	5
TPH (GC/FID) High Fraction	1.4	0.77	4.0	mg/kg	J	3546/DR	06/21/11	1
Surrogate recovery(%) o-Terphenyl	71.5			% Rec.		3546/DR	06/21/11	1

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MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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L520529-01 (PH) - 8.6@20.5c



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REPORT OF ANALYSIS

Blair Rollins
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 21, 2011

Date Received : June 11, 2011
Description : 697-16-28-Pit Background

Sample ID : SS-1

Collected By : CJB
Collection Date : 06/10/11 09:15

ESC Sample # : L520529-01

Site ID :

Project # : 900546.0001.050

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.00076	0.0060	mg/kg		8270C-S	06/17/11	1
Acenaphthene	U	0.00071	0.0060	mg/kg		8270C-S	06/17/11	1
Acenaphthylene	U	0.00057	0.0060	mg/kg		8270C-S	06/17/11	1
Benzo(a)anthracene	U	0.00092	0.0060	mg/kg		8270C-S	06/17/11	1
Benzo(a)pyrene	U	0.00062	0.0060	mg/kg		8270C-S	06/17/11	1
Benzo(b)fluoranthene	U	0.00082	0.0060	mg/kg		8270C-S	06/17/11	1
Benzo(g,h,i)perylene	U	0.0012	0.0060	mg/kg		8270C-S	06/17/11	1
Benzo(k)fluoranthene	U	0.0013	0.0060	mg/kg		8270C-S	06/17/11	1
Chrysene	U	0.0011	0.0060	mg/kg		8270C-S	06/17/11	1
Dibenz(a,h)anthracene	U	0.0011	0.0060	mg/kg		8270C-S	06/17/11	1
Fluoranthene	U	0.0010	0.0060	mg/kg		8270C-S	06/17/11	1
Fluorene	U	0.00055	0.0060	mg/kg		8270C-S	06/17/11	1
Indeno(1,2,3-cd)pyrene	U	0.0012	0.0060	mg/kg		8270C-S	06/17/11	1
Naphthalene	U	0.00065	0.0060	mg/kg		8270C-S	06/17/11	1
Phenanthrene	U	0.00074	0.0060	mg/kg		8270C-S	06/17/11	1
Pyrene	U	0.00059	0.0060	mg/kg		8270C-S	06/17/11	1
1-Methylnaphthalene	U	0.00079	0.0060	mg/kg		8270C-S	06/17/11	1
2-Methylnaphthalene	U	0.00059	0.0060	mg/kg		8270C-S	06/17/11	1
2-Chloronaphthalene	U	0.00060	0.0060	mg/kg		8270C-S	06/17/11	1
Surrogate Recovery								
Nitrobenzene-d5	87.9			% Rec.		8270C-S	06/17/11	1
2-Fluorobiphenyl	96.0			% Rec.		8270C-S	06/17/11	1
p-Terphenyl-d14	97.5			% Rec.		8270C-S	06/17/11	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

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REPORT OF ANALYSIS

Blair Rollins
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 21, 2011

Date Received : June 11, 2011
Description : 697-16-28-Pit Background
Sample ID : SS-2
Collected By : CJB
Collection Date : 06/10/11 09:20

ESC Sample # : L520529-02
Site ID :
Project # : 900546.0001.050

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Chromium, Hexavalent	U	0.71	2.0	mg/kg		3060A/7	06/17/11	1
Chromium, Trivalent	50.	0.17	2.0	mg/kg		Calc.	06/15/11	1
ORP	82.			mV		2580	06/17/11	1
pH	8.5			su		9045D	06/17/11	1
Sodium Adsorption Ratio	1.5					Calc.	06/15/11	1
Specific Conductance	75.			umhos/cm		9050AMo	06/17/11	1
Mercury	0.028	0.0015	0.020	mg/kg		7471	06/16/11	1
Arsenic	5.0	0.32	1.0	mg/kg		6010B	06/15/11	1
Barium	280	0.050	0.25	mg/kg		6010B	06/15/11	1
Cadmium	1.2	0.040	0.25	mg/kg		6010B	06/15/11	1
Chromium	50.	0.085	0.50	mg/kg		6010B	06/15/11	1
Copper	19.	0.21	1.0	mg/kg		6010B	06/15/11	1
Lead	15.	0.090	0.25	mg/kg	B	6010B	06/16/11	1
Nickel	26.	0.26	1.0	mg/kg		6010B	06/15/11	1
Selenium	U	0.32	1.0	mg/kg		6010B	06/15/11	1
Silver	U	0.16	0.50	mg/kg		6010B	06/15/11	1
Zinc	59.	0.34	1.5	mg/kg		6010B	06/15/11	1
TPH (GC/FID) Low Fraction	U	0.25	0.50	mg/kg		8015D/G	06/13/11	5
Surrogate Recovery (70-130)								
a,a,a-Trifluorotoluene (FID)	94.7			% Rec.		602/801	06/13/11	5
Benzene	U	0.0021	0.0050	mg/kg		8260B	06/15/11	5
Toluene	U	0.0017	0.025	mg/kg		8260B	06/15/11	5
Ethylbenzene	U	0.0016	0.0050	mg/kg		8260B	06/15/11	5
Total Xylenes	U	0.0023	0.015	mg/kg		8260B	06/15/11	5
Surrogate Recovery								
Toluene-d8	105.			% Rec.		8260B	06/15/11	5
Dibromofluoromethane	104.			% Rec.		8260B	06/15/11	5
a,a,a-Trifluorotoluene	101.			% Rec.		8260B	06/15/11	5
4-Bromofluorobenzene	105.			% Rec.		8260B	06/15/11	5
TPH (GC/FID) High Fraction	0.95	0.77	4.0	mg/kg	J	3546/DR	06/18/11	1
Surrogate recovery(%)								
o-Terphenyl	55.4			% Rec.		3546/DR	06/18/11	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD
RDL = Reported Detection Limit = LOQ = PQL = EQL
Note:
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L520529-02 (PH) - 8.5@20.5c



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REPORT OF ANALYSIS

June 21, 2011

Blair Rollins
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

Date Received : June 11, 2011
Description : 697-16-28-Pit Background
Sample ID : SS-2
Collected By : CJB
Collection Date : 06/10/11 09:20

ESC Sample # : L520529-02

Site ID :

Project # : 900546.0001.050

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.00076	0.0060	mg/kg		8270C-S	06/19/11	1
Acenaphthene	U	0.00071	0.0060	mg/kg		8270C-S	06/19/11	1
Acenaphthylene	U	0.00057	0.0060	mg/kg		8270C-S	06/19/11	1
Benzo(a)anthracene	U	0.00092	0.0060	mg/kg		8270C-S	06/19/11	1
Benzo(a)pyrene	U	0.00062	0.0060	mg/kg		8270C-S	06/19/11	1
Benzo(b)fluoranthene	U	0.00082	0.0060	mg/kg		8270C-S	06/19/11	1
Benzo(g,h,i)perylene	U	0.0012	0.0060	mg/kg		8270C-S	06/19/11	1
Benzo(k)fluoranthene	U	0.0013	0.0060	mg/kg		8270C-S	06/19/11	1
Chrysene	U	0.0011	0.0060	mg/kg		8270C-S	06/19/11	1
Dibenz(a,h)anthracene	U	0.0011	0.0060	mg/kg		8270C-S	06/19/11	1
Fluoranthene	U	0.0010	0.0060	mg/kg		8270C-S	06/19/11	1
Fluorene	U	0.00055	0.0060	mg/kg		8270C-S	06/19/11	1
Indeno(1,2,3-cd)pyrene	U	0.0012	0.0060	mg/kg		8270C-S	06/19/11	1
Naphthalene	U	0.00065	0.0060	mg/kg		8270C-S	06/19/11	1
Phenanthrene	U	0.00074	0.0060	mg/kg		8270C-S	06/19/11	1
Pyrene	U	0.00059	0.0060	mg/kg		8270C-S	06/19/11	1
1-Methylnaphthalene	U	0.00079	0.0060	mg/kg		8270C-S	06/19/11	1
2-Methylnaphthalene	U	0.00059	0.0060	mg/kg		8270C-S	06/19/11	1
2-Chloronaphthalene	U	0.00060	0.0060	mg/kg		8270C-S	06/19/11	1
Surrogate Recovery								
Nitrobenzene-d5	68.3			% Rec.		8270C-S	06/19/11	1
2-Fluorobiphenyl	79.5			% Rec.		8270C-S	06/19/11	1
p-Terphenyl-d14	69.6			% Rec.		8270C-S	06/19/11	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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REPORT OF ANALYSIS

Blair Rollins
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 21, 2011

Date Received : June 11, 2011
Description : 697-16-28-Pit Background

Sample ID : SS-3

Collected By : CJB
Collection Date : 06/10/11 09:24

ESC Sample # : L520529-03

Site ID :

Project # : 900546.0001.050

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Chromium, Hexavalent	U	0.71	2.0	mg/kg		3060A/7	06/17/11	1
Chromium, Trivalent	48.	0.17	2.0	mg/kg		Calc.	06/15/11	1
ORP	84.			mV		2580	06/17/11	1
pH	8.6			su		9045D	06/17/11	1
Sodium Adsorption Ratio	1.5					Calc.	06/15/11	1
Specific Conductance	83.			umhos/cm		9050AMo	06/17/11	1
Mercury	0.048	0.0015	0.020	mg/kg		7471	06/16/11	1
Arsenic	13.	0.32	1.0	mg/kg		6010B	06/15/11	1
Barium	300	0.050	0.25	mg/kg		6010B	06/15/11	1
Cadmium	2.2	0.040	0.25	mg/kg		6010B	06/15/11	1
Chromium	48.	0.085	0.50	mg/kg		6010B	06/15/11	1
Copper	25.	0.21	1.0	mg/kg		6010B	06/15/11	1
Lead	14.	0.090	0.25	mg/kg	B	6010B	06/16/11	1
Nickel	28.	0.26	1.0	mg/kg		6010B	06/15/11	1
Selenium	U	0.32	1.0	mg/kg		6010B	06/15/11	1
Silver	U	0.16	0.50	mg/kg		6010B	06/15/11	1
Zinc	71.	0.34	1.5	mg/kg		6010B	06/15/11	1
TPH (GC/FID) Low Fraction	U	0.25	0.50	mg/kg		8015D/G	06/13/11	5
Surrogate Recovery (70-130) a,a,a-Trifluorotoluene (FID)	95.8			% Rec.		602/801	06/13/11	5
Benzene	U	0.0021	0.0050	mg/kg		8260B	06/13/11	5
Toluene	U	0.0017	0.025	mg/kg		8260B	06/13/11	5
Ethylbenzene	U	0.0016	0.0050	mg/kg		8260B	06/13/11	5
Total Xylenes	U	0.0023	0.015	mg/kg		8260B	06/13/11	5
Surrogate Recovery								
Toluene-d8	107.			% Rec.		8260B	06/13/11	5
Dibromofluoromethane	110.			% Rec.		8260B	06/13/11	5
a,a,a-Trifluorotoluene	103.			% Rec.		8260B	06/13/11	5
4-Bromofluorobenzene	97.5			% Rec.		8260B	06/13/11	5
TPH (GC/FID) High Fraction	1.5	0.77	4.0	mg/kg	J	3546/DR	06/18/11	1
Surrogate recovery(%) o-Terphenyl	54.1			% Rec.		3546/DR	06/18/11	1

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L520529-03 (PH) - 8.6@20.6c



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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blair Rollins
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 21, 2011

Date Received : June 11, 2011
Description : 697-16-28-Pit Background
Sample ID : SS-3
Collected By : CJB
Collection Date : 06/10/11 09:24

ESC Sample # : L520529-03

Site ID :

Project # : 900546.0001.050

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.00076	0.0060	mg/kg		8270C-S	06/17/11	1
Acenaphthene	U	0.00071	0.0060	mg/kg		8270C-S	06/17/11	1
Acenaphthylene	U	0.00057	0.0060	mg/kg		8270C-S	06/17/11	1
Benzo(a)anthracene	U	0.00092	0.0060	mg/kg		8270C-S	06/17/11	1
Benzo(a)pyrene	U	0.00062	0.0060	mg/kg		8270C-S	06/17/11	1
Benzo(b)fluoranthene	U	0.00082	0.0060	mg/kg		8270C-S	06/17/11	1
Benzo(g,h,i)perylene	U	0.0012	0.0060	mg/kg		8270C-S	06/17/11	1
Benzo(k)fluoranthene	U	0.0013	0.0060	mg/kg		8270C-S	06/17/11	1
Chrysene	U	0.0011	0.0060	mg/kg		8270C-S	06/17/11	1
Dibenz(a,h)anthracene	U	0.0011	0.0060	mg/kg		8270C-S	06/17/11	1
Fluoranthene	U	0.0010	0.0060	mg/kg		8270C-S	06/17/11	1
Fluorene	U	0.00055	0.0060	mg/kg		8270C-S	06/17/11	1
Indeno(1,2,3-cd)pyrene	U	0.0012	0.0060	mg/kg		8270C-S	06/17/11	1
Naphthalene	U	0.00065	0.0060	mg/kg		8270C-S	06/17/11	1
Phenanthrene	U	0.00074	0.0060	mg/kg		8270C-S	06/17/11	1
Pyrene	U	0.00059	0.0060	mg/kg		8270C-S	06/17/11	1
1-Methylnaphthalene	U	0.00079	0.0060	mg/kg		8270C-S	06/17/11	1
2-Methylnaphthalene	U	0.00059	0.0060	mg/kg		8270C-S	06/17/11	1
2-Chloronaphthalene	U	0.00060	0.0060	mg/kg		8270C-S	06/17/11	1
Surrogate Recovery								
Nitrobenzene-d5	82.7			% Rec.		8270C-S	06/17/11	1
2-Fluorobiphenyl	80.7			% Rec.		8270C-S	06/17/11	1
p-Terphenyl-d14	82.0			% Rec.		8270C-S	06/17/11	1

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Note:

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REPORT OF ANALYSIS

Blair Rollins
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 21, 2011

Date Received : June 11, 2011
Description : 697-16-28-Pit Background
Sample ID : SS-4
Collected By : CJB
Collection Date : 06/10/11 09:38

ESC Sample # : L520529-04
Site ID :
Project # : 900546.0001.050

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Chromium, Hexavalent	U	0.71	2.0	mg/kg		3060A/7	06/17/11	1
Chromium, Trivalent	48.	0.17	2.0	mg/kg		Calc.	06/15/11	1
ORP	88.			mV		2580	06/17/11	1
pH	8.6			su		9045D	06/17/11	1
Sodium Adsorption Ratio	1.5					Calc.	06/15/11	1
Specific Conductance	68.			umhos/cm		9050AMo	06/17/11	1
Mercury	0.045	0.0015	0.020	mg/kg		7471	06/16/11	1
Arsenic	16.	0.32	1.0	mg/kg		6010B	06/15/11	1
Barium	290	0.050	0.25	mg/kg		6010B	06/15/11	1
Cadmium	1.7	0.040	0.25	mg/kg		6010B	06/15/11	1
Chromium	48.	0.085	0.50	mg/kg		6010B	06/15/11	1
Copper	21.	0.21	1.0	mg/kg		6010B	06/15/11	1
Lead	17.	0.090	0.25	mg/kg	B	6010B	06/16/11	1
Nickel	27.	0.26	1.0	mg/kg		6010B	06/15/11	1
Selenium	0.90	0.32	1.0	mg/kg	J	6010B	06/15/11	1
Silver	U	0.16	0.50	mg/kg		6010B	06/15/11	1
Zinc	62.	0.34	1.5	mg/kg		6010B	06/15/11	1
TPH (GC/FID) Low Fraction	U	0.25	0.50	mg/kg		8015D/G	06/13/11	5
Surrogate Recovery (70-130) a,a,a-Trifluorotoluene (FID)	96.0			% Rec.		602/801	06/13/11	5
Benzene	U	0.0021	0.0050	mg/kg		8260B	06/13/11	5
Toluene	U	0.0017	0.025	mg/kg		8260B	06/13/11	5
Ethylbenzene	U	0.0016	0.0050	mg/kg		8260B	06/13/11	5
Total Xylenes	U	0.0023	0.015	mg/kg		8260B	06/13/11	5
Surrogate Recovery								
Toluene-d8	105.			% Rec.		8260B	06/13/11	5
Dibromofluoromethane	110.			% Rec.		8260B	06/13/11	5
a,a,a-Trifluorotoluene	101.			% Rec.		8260B	06/13/11	5
4-Bromofluorobenzene	93.7			% Rec.		8260B	06/13/11	5
TPH (GC/FID) High Fraction	1.1	0.77	4.0	mg/kg	J	3546/DR	06/18/11	1
Surrogate recovery (%) o-Terphenyl	57.6			% Rec.		3546/DR	06/18/11	1

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REPORT OF ANALYSIS

June 21, 2011

Blair Rollins
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

ESC Sample # : L520529-04

Date Received : June 11, 2011
Description : 697-16-28-Pit Background

Site ID :

Sample ID : SS-4

Project # : 900546.0001.050

Collected By : CJB
Collection Date : 06/10/11 09:38

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.00076	0.0060	mg/kg		8270C-S	06/17/11	1
Acenaphthene	U	0.00071	0.0060	mg/kg		8270C-S	06/17/11	1
Acenaphthylene	U	0.00057	0.0060	mg/kg		8270C-S	06/17/11	1
Benzo(a)anthracene	U	0.00092	0.0060	mg/kg		8270C-S	06/17/11	1
Benzo(a)pyrene	U	0.00062	0.0060	mg/kg		8270C-S	06/17/11	1
Benzo(b)fluoranthene	U	0.00082	0.0060	mg/kg		8270C-S	06/17/11	1
Benzo(g,h,i)perylene	U	0.0012	0.0060	mg/kg		8270C-S	06/17/11	1
Benzo(k)fluoranthene	U	0.0013	0.0060	mg/kg		8270C-S	06/17/11	1
Chrysene	U	0.0011	0.0060	mg/kg		8270C-S	06/17/11	1
Dibenz(a,h)anthracene	U	0.0011	0.0060	mg/kg		8270C-S	06/17/11	1
Fluoranthene	U	0.0010	0.0060	mg/kg		8270C-S	06/17/11	1
Fluorene	U	0.00055	0.0060	mg/kg		8270C-S	06/17/11	1
Indeno(1,2,3-cd)pyrene	U	0.0012	0.0060	mg/kg		8270C-S	06/17/11	1
Naphthalene	U	0.00065	0.0060	mg/kg		8270C-S	06/17/11	1
Phenanthrene	U	0.00074	0.0060	mg/kg		8270C-S	06/17/11	1
Pyrene	U	0.00059	0.0060	mg/kg		8270C-S	06/17/11	1
1-Methylnaphthalene	U	0.00079	0.0060	mg/kg		8270C-S	06/17/11	1
2-Methylnaphthalene	U	0.00059	0.0060	mg/kg		8270C-S	06/17/11	1
2-Chloronaphthalene	U	0.00060	0.0060	mg/kg		8270C-S	06/17/11	1
Surrogate Recovery								
Nitrobenzene-d5	82.9			% Rec.		8270C-S	06/17/11	1
2-Fluorobiphenyl	86.7			% Rec.		8270C-S	06/17/11	1
p-Terphenyl-d14	91.6			% Rec.		8270C-S	06/17/11	1

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REPORT OF ANALYSIS

Blair Rollins
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 21, 2011

Date Received : June 11, 2011
Description : 697-16-28-Pit Background
Sample ID : SS-5
Collected By : CJB
Collection Date : 06/10/11 09:48

ESC Sample # : L520529-05

Site ID :

Project # : 900546.0001.050

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Chromium, Hexavalent	U	0.71	2.0	mg/kg		3060A/7	06/17/11	1
Chromium, Trivalent	44.	0.17	2.0	mg/kg		Calc.	06/15/11	1
ORP	91.			mV		2580	06/17/11	1
pH	8.8			su		9045D	06/17/11	1
Sodium Adsorption Ratio	4.0					Calc.	06/15/11	1
Specific Conductance	110			umhos/cm		9050AMo	06/17/11	1
Mercury	0.054	0.0015	0.020	mg/kg		7471	06/16/11	1
Arsenic	17.	0.32	1.0	mg/kg		6010B	06/15/11	1
Barium	260	0.050	0.25	mg/kg		6010B	06/15/11	1
Cadmium	2.7	0.040	0.25	mg/kg		6010B	06/15/11	1
Chromium	44.	0.085	0.50	mg/kg		6010B	06/15/11	1
Copper	41.	0.21	1.0	mg/kg		6010B	06/15/11	1
Lead	20.	0.090	0.25	mg/kg	B	6010B	06/16/11	1
Nickel	36.	0.26	1.0	mg/kg		6010B	06/15/11	1
Selenium	U	0.32	1.0	mg/kg		6010B	06/15/11	1
Silver	U	0.16	0.50	mg/kg		6010B	06/15/11	1
Zinc	84.	0.34	1.5	mg/kg		6010B	06/15/11	1
TPH (GC/FID) Low Fraction	U	0.25	0.50	mg/kg		8015D/G	06/13/11	5
Surrogate Recovery (70-130) a,a,a-Trifluorotoluene (FID)	95.9			% Rec.		602/801	06/13/11	5
Benzene	U	0.0021	0.0050	mg/kg		8260B	06/13/11	5
Toluene	U	0.0017	0.025	mg/kg		8260B	06/13/11	5
Ethylbenzene	U	0.0016	0.0050	mg/kg		8260B	06/13/11	5
Total Xylenes	U	0.0023	0.015	mg/kg		8260B	06/13/11	5
Surrogate Recovery								
Toluene-d8	104.			% Rec.		8260B	06/13/11	5
Dibromofluoromethane	109.			% Rec.		8260B	06/13/11	5
a,a,a-Trifluorotoluene	102.			% Rec.		8260B	06/13/11	5
4-Bromofluorobenzene	99.7			% Rec.		8260B	06/13/11	5
TPH (GC/FID) High Fraction	1.9	0.77	4.0	mg/kg	J	3546/DR	06/18/11	1
Surrogate recovery(%) o-Terphenyl	55.6			% Rec.		3546/DR	06/18/11	1

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REPORT OF ANALYSIS

Blair Rollins
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 21, 2011

Date Received : June 11, 2011
Description : 697-16-28-Pit Background
Sample ID : SS-5
Collected By : CJB
Collection Date : 06/10/11 09:48

ESC Sample # : L520529-05
Site ID :
Project # : 900546.0001.050

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.00076	0.0060	mg/kg		8270C-S	06/17/11	1
Acenaphthene	U	0.00071	0.0060	mg/kg		8270C-S	06/17/11	1
Acenaphthylene	U	0.00057	0.0060	mg/kg		8270C-S	06/17/11	1
Benzo(a)anthracene	U	0.00092	0.0060	mg/kg		8270C-S	06/17/11	1
Benzo(a)pyrene	U	0.00062	0.0060	mg/kg		8270C-S	06/17/11	1
Benzo(b)fluoranthene	U	0.00082	0.0060	mg/kg		8270C-S	06/17/11	1
Benzo(g,h,i)perylene	0.0022	0.0012	0.0060	mg/kg	J	8270C-S	06/17/11	1
Benzo(k)fluoranthene	U	0.0013	0.0060	mg/kg		8270C-S	06/17/11	1
Chrysene	U	0.0011	0.0060	mg/kg		8270C-S	06/17/11	1
Dibenz(a,h)anthracene	U	0.0011	0.0060	mg/kg		8270C-S	06/17/11	1
Fluoranthene	U	0.0010	0.0060	mg/kg		8270C-S	06/17/11	1
Fluorene	U	0.00055	0.0060	mg/kg		8270C-S	06/17/11	1
Indeno(1,2,3-cd)pyrene	U	0.0012	0.0060	mg/kg		8270C-S	06/17/11	1
Naphthalene	U	0.00065	0.0060	mg/kg		8270C-S	06/17/11	1
Phenanthrene	U	0.00074	0.0060	mg/kg		8270C-S	06/17/11	1
Pyrene	U	0.00059	0.0060	mg/kg		8270C-S	06/17/11	1
1-Methylnaphthalene	U	0.00079	0.0060	mg/kg		8270C-S	06/17/11	1
2-Methylnaphthalene	U	0.00059	0.0060	mg/kg		8270C-S	06/17/11	1
2-Chloronaphthalene	U	0.00060	0.0060	mg/kg		8270C-S	06/17/11	1
Surrogate Recovery								
Nitrobenzene-d5	84.5			% Rec.		8270C-S	06/17/11	1
2-Fluorobiphenyl	94.0			% Rec.		8270C-S	06/17/11	1
p-Terphenyl-d14	90.2			% Rec.		8270C-S	06/17/11	1

U = ND (Not Detected)

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Note:

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L520529-01	WG540600	SAMP	Lead	R1727230	B
	WG540130	SAMP	Selenium	R1724389	J
	WG541424	SAMP	TPH (GC/FID) High Fraction	R1731493	J
L520529-02	WG540600	SAMP	Lead	R1727230	B
	WG540786	SAMP	TPH (GC/FID) High Fraction	R1728510	J
L520529-03	WG540600	SAMP	Lead	R1727230	B
	WG540786	SAMP	TPH (GC/FID) High Fraction	R1728510	J
L520529-04	WG540600	SAMP	Lead	R1727230	B
	WG540130	SAMP	Selenium	R1724389	J
L520529-05	WG540786	SAMP	TPH (GC/FID) High Fraction	R1728510	J
	WG540600	SAMP	Lead	R1727230	B
	WG540786	SAMP	TPH (GC/FID) High Fraction	R1728510	J
	WG540652	SAMP	Benzo(g,h,i)perylene	R1727749	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.

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
06/21/11 at 11:34:08

TSR Signing Reports: 134
R5 - Desired TAT

Sample: L520529-01 Account: OXYGJCO Received: 06/11/11 09:00 Due Date: 06/17/11 00:00 RPT Date: 06/21/11 11:33
Sample: L520529-02 Account: OXYGJCO Received: 06/11/11 09:00 Due Date: 06/17/11 00:00 RPT Date: 06/21/11 11:33
Sample: L520529-03 Account: OXYGJCO Received: 06/11/11 09:00 Due Date: 06/17/11 00:00 RPT Date: 06/21/11 11:33
Sample: L520529-04 Account: OXYGJCO Received: 06/11/11 09:00 Due Date: 06/17/11 00:00 RPT Date: 06/21/11 11:33
Sample: L520529-05 Account: OXYGJCO Received: 06/11/11 09:00 Due Date: 06/17/11 00:00 RPT Date: 06/21/11 11:33

