



OXY USA Inc.
A subsidiary of Occidental Petroleum Corporation

760 Horizon Drive, Suite 101
Grand Junction, CO 81506

September 23, 2011

Carlos A. Lujan. Ph.D.
Colorado Oil and Gas Conservation Commission
1120 Lincoln Street, Suite 801
Denver, Colorado 80203

Re: Response to COGCC Status Inquiry for Three 2008 PXP Spill Reports, Reference COGCC Letter Dated August 23, 2008 & COGCC email dated 9/6/11
- Hells Gulch Federal 23-13A (Remediation No. 4455)
- Hawkins Ranch 10-9 (Remediation No. 4453)
- Hawkins Ranch 10-4 & 10-2C (Document No. 1984975)
OXY USA Inc. (Operator No. 66561)

Dear Dr. Lujan:

OXY USA Inc. (Oxy) is providing your office with follow-up documentation to three spill reports submitted by Plains Exploration and Production Company (PXP) in the fall of 2008. Oxy acquired PXP in December 2008, after the spill reports were submitted by PXP. Oxy has reviewed its records related to the releases and is providing the requested information.

Hells Gulch Federal 23-13A (Remediation No. 4455)

- The legal description originally provided by PXP for the release are as follows:
 - Form 19: SWSW, Sec. 23, T8S, R92W, Mesa County, Colorado
 - Form 23: SWSW, Sec. 23, T8S, R92W, Mesa County, Colorado
 - Form 27: SWSW, Sec. 23, T8S, **R94W**, Mesa County, Colorado
 - Correct spill release location is: SWSW, Sec. 23, T8S, **R92W**, Mesa County, Colorado. Oxy believes that the legal description provided on the Form 27 is a typo and "Range description" should be corrected from R94W to R92W.
- There is no ongoing remediation related to the release since the submittal of the Form 27. Please note that the Cordilleran Compliance Service, Inc (Cordilleran) letter dated November 20, 2008 recommended no further assessment/remediation action be taken. Oxy's current on site activities are related to general reclamation of the cut slope, which includes soil amendments and reseeding. Oxy is awaiting U.S. Forest Service/Bureau of Land Management approval to complete the work this fall. These reclamation activities are not related to the release reported by PXP.

Hawkins Ranch 10-9 (Remediation No. 4453)

- The legal description originally provided by PXP for the release are as follows:
 - Form 19: NWSE, Sec. 10, T10S, R94W, Mesa County, Colorado

- Form 27: NWSE, Sec. 10, T10S, R94W, Mesa County, Colorado
 - Correct spill release location is: NWSE, Sec. 10, T10S, R94W, Mesa County, Colorado. Oxy's review of the submitted Form 19 and Form 27 could not identify a location discrepancy in the legal description. Oxy was only able to identify one Form 19 and one Form 27 in its files.
 - Some follow-up surface water sampling and reporting occurred in 2009, but Oxy could not find records of ongoing remediation related to the release since the submittal of the Form 27. Approximately three weeks after the submittal of the original Form 27, Oxy purchased PXP and during the subsequent PXP to Oxy transition, the responsibility for remediation and closure of this release was not adequately transmitted and therefore not carried to closure. Based on Oxy's review of its records, there has been no ongoing remediation. Oxy was able to identify the enclosed water sample data not originally submitted with the Form 27. The data includes:
 - Water quality samples taken from Salt Creek on November 3, 2008. The data was not attached to a report (Attachment A).
 - A water quality report prepared for the surface owner; the report is dated January 1, 2009 (Attachment A).
 - Water quality sample data taken from Salt Creek on March 13, 2009. No report was generated from the data (Attachment A).
 - Water quality sample data taken from Salt Creek and surrounding surface water features on January 22, 2009, February 13, 2009, February 19, 2009, March 5, 2009, March 12, 2009, March 28, 2009, April 25, 2009, June 6, 2009, July 25, 2009, and October 1, 2009. The data has been tabulated for your review (Attachment A).
- Oxy is unable to explain the lack of soil collected after the original Form 27 submittal. Oxy proposes to conduct follow-up sampling to ensure proper closure of this release. Oxy will direct a 3rd party contractor to collect additional soil samples of the affected soils and will submit the data with a new Form 27. The new Form 27 will either recommend soil remediation or release closure. Oxy is requesting until October 31, 2011 to collect the soil samples and submit the new Form 27 to the COGCC for review.
- PXP did investigate impacted native soils and submitted the associated soil sample data as part of the original Form 27 submittal. Oxy conducted a site reconnaissance of the area on or around August 31, 2010 and has attached the associated photos at Attachment A. The photos demonstrate that no visual impacts have occurred to the vegetation.
 - See second bullet above for remediation (Form 27) and associated closure. The Cordilleran letter report does recommend that a sediment trap with armored inlet and outlet protection be installed in accordance with the Stormwater Management Plan (SWMP). The recommendation was reviewed, PXP installed riprap, but not a sediment trap. Based on the stormwater inspection reports, the riprap was installed between the scheduled October and November 2008 14-day inspection cycle, and reported on the November 14-day inspection sheet, see attached. The stormwater protection riprap was maintained through 2009 and 2010.

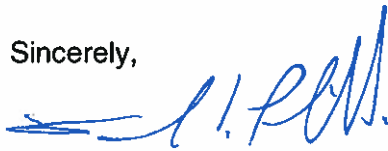
Hawkins Ranch 10-4 & 10-2C (Document No. 1984975)

- Oxy reviewed hard copy files as well as its electronic files and could not find record of a Form 27 prepared for this release. Oxy then contacted Olsson Associates (Olsson acquired Cordilleran in late 2008) requesting copies of any documentation prepared in support of this release. Olsson provided a copy of the Cordilleran report prepared on December 1, 2008. It identifies the results of samples taken as part of the investigation. Oxy could not

determine why the Form 27 or the Cordilleran report were not submitted in December of 2008 to the COGCC, but the report recommends that no further assessment/remediation action be taken for the mud release based on the soil sample data they collected in November 2008. PXP remediated the site, which included cleaning up the released mud and returning the mud to the reserve pit and sampling of the impacted area. Oxy has prepared the attached Form 27 for your review and approval. It identifies what was done by PXP and provides a copy of the Cordilleran report. Oxy is requesting review of the Form 27 for closure of this release. Oxy has also attached photos taken of the reclaimed release area (Form 27).

Please let me know if you have any questions, comments, or if you require additional information. I can be reached at 970.263.3637 or at daniel_padilla@oxy.com.

Sincerely,



Daniel I. Padilla
Regulatory Advisor

Enclosures Attachment A – Documents pertaining to Rem # 4453
Attachment B – Documents pertaining to Doc # 1984975

cc: file

ATTACHMENT A

Documents pertaining to Hawkins Ranch
10-9 (Remediation No. 4453)

Table 1
Hawkins 10-9 Response
Salt Creek Analytical Summary

Summary of Water Samples			
Location Description		Salt Creek Up Gradient	Salt Creek Down Gradient
Northing		39.20575°	39.20596°
Westing		107.86491°	107.86521°
Sample ID		SCUG	SCDG
	COGCC Allowable		
Parameter	Table 910-1	11/3/2008	11/3/2008
Total Dissolved Solids	<1.25 x background* (750)	600	570
Chloride	<1.25 x background* (8.125)	6.5	6.5
Sulfate	<1.25 x background* (212.5)	170	170
Benzene	5 µg/l	<0.5	<0.5
Toluene	1000 µg/l	<5	<5
Ethylbenzene	700 µg/l	<0.5	<0.5
Total Xylene	1400 to 10000 µg/l	<1.5	<1.5

*- <1.25 x background calculated based on results obtained from upgradient sample
µg/l= micrograms per liter



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Est. 1970

REPORT OF ANALYSIS

Mr. Tim Dobransky
Cordilleran Compliance - GJ, CO
826 21 1/2 Road
Grand Junction, CO 81505

November 10, 2008

Date Received : November 04, 2008
Description : Hawkins 10-9

Sample ID : SCUG

Collected By : Stuart Hall
Collection Date : 11/03/08 12:40

ESC Sample # : L372921-04

Site ID :

Project # : 8374

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	6.5	1.0	mg/l	9056	11/04/08	1
Sulfate	170	5.0	mg/l	9056	11/04/08	1
Dissolved Solids	600	10.	mg/l	2540C	11/06/08	1
Benzene	BDL	0.00050	mg/l	8021B	11/04/08	1
Toluene	BDL	0.0050	mg/l	8021B	11/04/08	1
Ethylbenzene	BDL	0.00050	mg/l	8021B	11/04/08	1
Total Xylene	BDL	0.0015	mg/l	8021B	11/04/08	1
Surrogate Recovery(%)						
a,a,a-Trifluorotoluene(PID)	98.8		% Rec.	8021B	11/04/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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: 11/07/08 10:49 Revised: 11/10/08 11:40



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REPORT OF ANALYSIS

Mr. Tim Dobransky
Cordilleran Compliance - GJ, CO
826 21 1/2 Road
Grand Junction, CO 81505

November 10, 2008

Date Received : November 04, 2008
Description : Hawkins 10-9

Sample ID : SCDG

Collected By : Stuart Hall
Collection Date : 11/03/08 12:15

ESC Sample # : L372921-05

Site ID :

Project # : 8374

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	6.5	1.0	mg/l	9056	11/04/08	1
Sulfate	170	5.0	mg/l	9056	11/04/08	1
Dissolved Solids	570	10.	mg/l	2540C	11/06/08	1
Benzene	BDL	0.00050	mg/l	8021B	11/04/08	1
Toluene	BDL	0.0050	mg/l	8021B	11/04/08	1
Ethylbenzene	BDL	0.00050	mg/l	8021B	11/04/08	1
Total Xylene	BDL	0.0015	mg/l	8021B	11/04/08	1
Surrogate Recovery(%)						
a,a,a-Trifluorotoluene(PID)	99.0		% Rec.	8021B	11/04/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 11/07/08 10:49 Revised: 11/10/08 11:40

January 1, 2009

Mr. Gerald Hawkins
1114 Sundial Road
Grand Junction, CO 81505

Dear Mr. Hawkins:

Plains Exploration and Production Company prior to being purchased by OXY USA Inc. (OXY) retained Cordilleran, a division of Olsson Associates (Olsson) to conduct water quality sampling in the Hawkins Ranch area southeast of Collbran, Colorado during the fall of 2008.

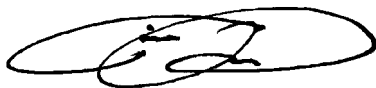
Results of the water testing for your springs are consistent with other water sources in the area. Please find the following items enclosed with this letter:

- a summary of analytical results received as of the date of this letter specific to sampling conducted on your property;
- a copy of the final analytical reports containing the results reported for the sample collected on your property, and;
- a copy of reference documents for water quality - "Water Quality Standards and Interpretation of Results" and "Additional Water Quality Standards".

For additional information, the Colorado Department of Public Health and Environment (CDPHE) maintains a website on drinking water standards at <http://www.cdphe.state.co.us/lr/water/>

Please do not hesitate to contact me at (970) 263-7800 should you have any questions or concerns regarding this information.

Sincerely,
Cordilleran, a division of Olsson Associates



Tim Dobransky
Project Scientist

td/Chris Clark – OXY USA Inc.

Attachments (6)

HAWKINS SPRING 1 Analytical Summary
Hawkins 10-9 Water Quality
SENW Section 10 Township 10S Range 94W
PXP

Field Parameters

Sample ID	pH	Temp (°C)	Cond (mS/cm)	Diss. Oxygen (mg/L)	Turbidity (NTU)	Latitude (North)	Longitude (West)
HAWK1	7.24	11.33	0.75	5.93	78.3	39.20723	107.86046

Water Sample Summary - Laboratory Analytical Summary

Sample/Location Description: Domestic spring located at 63511 Salt Creek Road Sample Date: 10/23/2008

Compound Name (units)	Concentration	LQL
Methane (mg/L)	U	0.008
Hydrogen Sulfide (mg/L)	U	1
MTBE (µg/L)	U	4
BTEX		
Benzene (µg/L)	U	0.5
Toluene (µg/L)	U	2
Ethylbenzene (µg/L)	U	0.5
m,p-Xylene (µg/L)	U	1.5
o-Xylene (µg/L)	U	1.5
Total Xylenes (µg/L)	NT	1.5
Oil and Grease (mg/L)	NT	1
Ammonia As N (mg/L)	U	0.1
Nitrite (mg/L)	U	0.1
Nitrate (mg/L)	NT	0.1
Nitrite Nitrate (mg/L)	0.2	0.1
Sulfate (mg/L)	79	0.5
Total Alkalinity (mg/L CaCO3)	329	5
Bicarbonate (mg/L)	401	5
Carbonate (mg/L)	U	5
Total Dissolved Solids (mg/L)	465	10
Bromide (mg/L)	U	0.05
Chloride (mg/L)	9.9	0.5
Fluoride (mg/L)	0.5	0.1
Sulfate Reducing Bacteria (CFU/mL)	200	Not Specified
Iron Reducing Bacteria (CFU/mL)	9000	Not Specified
Slime Forming Bacteria (CFU/mL)	12500	Not Specified
Dissolved Metals		
Calcium (mg/L)	87.1	0.4
Iron (mg/L)	U	0.1
Potassium (mg/L)	1	0.1
Magnesium (mg/L)	30.3	0.07
Manganese (mg/L)	U	0.01
Sodium (mg/L)	49	2
Selenium (mg/L)	U	0.005

Notes: LQL = Lower Quantitation Limit
mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Units
U = analysis performed but not detected
NT = not tested

mg/L CaCO3 = milligrams per liter of calcium carbonate
mg/L = milligrams per liter
µg/L = micrograms per liter
CFU/mL = Colony Forming Units per milliliter

HAWKINS SPRING 1 SAMPLE Analytical Summary

Hawkins 10-9 Water Quality

SENW Section 10 Township 10S Range 94W

PXP

Field Parameters

Sample ID	pH	Temp (°C)	Cond (mS/cm)	Diss. Oxygen (mg/L)	Turbidity (NTU)	Latitude (North)	Longitude (West)
HAWK1	7.24	11.33	0.75	5.93	78.3	39.20723	107.86046

Water Sample Summary – Laboratory Analytical Summary

Sample/Location Description: Domestic spring located at 63511 Salt Creek Road. Sample Date:
10/23/2008

Compound Name (units)	Concentration	LQL
Dissolved Metals		
Arsenic (mg/L)	U	0.01
Barium (mg/L)	0.067	0.005
Cadmium (mg/L)	U	0.005
Chromium (mg/L)	U	0.01
Copper (mg/L)	U	0.01
Lead (mg/L)	U	0.005
Silver (mg/L)	U	0.5

Notes: LQL = Lower Quantitation Limit
mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Units

U = analysis performed but not detected
NT = not tested
mg/L = milligrams per liter



LABORATORY ANALYTICAL REPORT

Client: Cordilleran Compliance Services Inc
Project: Job EGO 8340
Lab ID: C08101099-002
Client Sample ID: Hawk 1

Report Date: 11/18/08
Collection Date: 10/23/08 11:50
Date Received: 10/24/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MICROBIOLOGICAL							
Bacteria, Iron Related	9000	CFU/ml		1.0		IRB-BART	10/24/08 11:10 / dkh
Bacteria, Sulfate Reducing	200	CFU/ml		1.0		SRB-BART	10/24/08 11:10 / dkh
Slime	12500	CFU/ml		1.00		SLYM-BART	10/24/08 11:10 / dkh
MAJOR IONS							
Alkalinity, Total as CaCO ₃	329	mg/L		5		A2320 B	10/28/08 15:45 / ljl
Carbonate as CO ₃	ND	mg/L		5		A2320 B	10/28/08 15:45 / ljl
Bicarbonate as HCO ₃	401	mg/L		5		A2320 B	10/28/08 15:45 / ljl
Hydroxide as OH	ND	mg/L		1		A2320 B	10/28/08 15:45 / ljl
Bromide	ND	mg/L		0.05		E300.0	11/10/08 15:07 / ljl
Calcium	87.1	mg/L		0.4		SW6010B	11/04/08 16:58 / cp
Chloride	9.9	mg/L		0.5		E300.0	10/28/08 13:11 / ljl
Fluoride	0.5	mg/L		0.1		A4500-F C	10/27/08 16:44 / ljl
Magnesium	30.3	mg/L	D	0.07		SW6010B	11/04/08 16:58 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.1		A4500-NH ₃ G	10/27/08 11:23 / jal
Nitrogen, Nitrate+Nitrite as N	0.2	mg/L		0.1		E353.2	10/29/08 09:15 / jal
Nitrogen, Nitrite as N	ND	mg/L		0.1		A4500-NO ₂ B	10/24/08 15:11 / jal
Potassium	1.0	mg/L		0.1		SW6010B	11/04/08 16:58 / cp
Sodium	49	mg/L	D	2		SW6010B	11/04/08 16:58 / cp
Sulfate	79.0	mg/L		0.5		E300.0	10/28/08 13:11 / ljl
NON-METALS							
Sulfide	ND	mg/L		1		A4500-S F	10/28/08 10:38 / jdp
PHYSICAL PROPERTIES							
Conductivity	773	umhos/cm		1		A2510 B	10/27/08 09:50 / dd
pH	7.46	s.u.		0.01		A4500-H B	10/27/08 09:50 / dd
Solids, Total Dissolved TDS @ 180 C	465	mg/L		10		A2540 C	10/27/08 14:31 / jah
METALS - DISSOLVED							
Arsenic	ND	mg/L		0.01		SW6020	11/05/08 21:00 / sml
Barium	0.067	mg/L		0.005		SW6020	11/05/08 21:00 / sml
Cadmium	ND	mg/L		0.005		SW6010B	11/04/08 16:58 / cp
Chromium	ND	mg/L		0.01		SW6010B	11/04/08 16:58 / cp
Copper	ND	mg/L		0.01		SW6020	11/05/08 21:00 / sml
Iron	ND	mg/L		0.1		SW6010B	11/04/08 16:58 / cp
Lead	ND	mg/L		0.005		SW6020	11/05/08 21:00 / sml
Manganese	ND	mg/L		0.01		SW6010B	11/04/08 16:58 / cp
Selenium	ND	mg/L		0.005		SW6020	11/05/08 21:00 / sml
Silver	ND	mg/L		0.5		SW6010B	11/04/08 16:58 / cp

Report Definitions: RL - Analyte reporting limit.

QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Cordilleran Compliance Services Inc
Project: Job EGO 8340
Lab ID: C08101099-002
Client Sample ID: Hawk 1

Report Date: 11/18/08
Collection Date: 10/23/08 11:50
Date Received: 10/24/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	2.55	%				Calculation	11/07/08 16:56 / sdw
Anions	8.54	meq/L				Calculation	11/07/08 16:56 / sdw
Cations	8.98	meq/L				Calculation	11/07/08 16:56 / sdw
Solids, Total Dissolved Calculated	478	mg/L				Calculation	11/07/08 16:56 / sdw
TDS Balance (0.80 - 1.20)	0.970					Calculation	11/07/08 16:56 / sdw
VOLATILE ORGANIC COMPOUNDS							
Benzene	ND	ug/L		0.50		SW8021B	10/29/08 21:08 / jlr
Ethylbenzene	ND	ug/L		0.50		SW8021B	10/29/08 21:08 / jlr
m+p-Xylenes	ND	ug/L		1.5		SW8021B	10/29/08 21:08 / jlr
Methyl tert-butyl ether (MTBE)	ND	ug/L		4.0		SW8021B	11/04/08 17:09 / jlr
o-Xylene	ND	ug/L		1.5		SW8021B	10/29/08 21:08 / jlr
Toluene	ND	ug/L		2.0		SW8021B	10/29/08 21:08 / jlr
Surr: Trifluorotoluene	88.0	%REC		80-120		SW8021B	10/29/08 21:08 / jlr
NATURAL GAS COMPOUNDS							
Methane	ND	mg/L		0.008		SW8015M	10/29/08 08:30 / eli-b

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

HAWKINS SPRING SAMPLE Analytical Summary**Hawkins 10-9 Water Quality****NWNE Section 10 Township 10S Range 94W****PXP****Field Parameters**

Sample ID	pH	Temp (°C)	Cond (mS/cm)	Diss. Oxygen (mg/L)	Turbidity (NTU)	Latitude (North)	Longitude (West)
HAWK2	7.14	9.01	0.675	5.01	36.7	39.21014	107.86717

Water Sample Summary - Laboratory Analytical Summary

Sample/Location Description: Domestic spring located at 63444 Salt Creek Road Sample Date: 10/23/2008

Compound Name (units)	Concentration	LQL
Methane (mg/L)	U	0.008
Hydrogen Sulfide (mg/L)	U	1
MTBE (µg/L)	U	4
BTEX		
Benzene (µg/L)	U	0.5
Toluene (µg/L)	U	2
Ethylbenzene (µg/L)	U	0.5
m,p-Xylene (µg/L)	U	1.5
o-Xylene (µg/L)	U	1.5
Total Xylenes (µg/L)	NT	1.5
Oil and Grease (mg/L)	NT	1
Ammonia As N (mg/L)	U	0.1
Nitrite (mg/L)	U	0.1
Nitrate (mg/L)	NT	0.1
Nitrite Nitrate (mg/L)	0.6	0.1
Sulfate (mg/L)	29	0.5
Total Alkalinity (mg/L CaCO3)	326	5
Bicarbonate (mg/L)	397	5
Carbonate (mg/L)	U	5
Total Dissolved Solids (mg/L)	389	10
Bromide (mg/L)	U	0.05
Chloride (mg/L)	19.1	0.5
Fluoride (mg/L)	0.5	0.1
Sulfate Reducing Bacteria (CFU/mL)	359000	Not Specified
Iron Reducing Bacteria (CFU/mL)	2300	Not Specified
Slime Forming Bacteria (CFU/mL)	12500	Not Specified
Dissolved Metals		
Calcium (mg/L)	83.3	0.4
Iron (mg/L)	U	0.1
Potassium (mg/L)	1.3	0.1
Magnesium (mg/L)	32.7	0.04
Manganese (mg/L)	U	0.01
Sodium (mg/L)	34.5	0.8
Selenium (mg/L)	U	0.005

Notes: LQL = Lower Quantitation Limit
mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Units
U = analysis performed but not detected
NT = not tested

mg/L CaCO3 = milligrams per liter of calcium carbonate
mg/L = milligrams per liter
µg/L = micrograms per liter
CFU/mL = Colony Forming Units per milliliter

HAWKINS SPRING SAMPLE Analytical Summary

Hawkins 10-9 Water Quality

NWNE Section 10 Township 10S Range 94W

PXP

Field Parameters

Sample ID	pH	Temp (°C)	Cond (mS/cm)	Diss. Oxygen (mg/L)	Turbidity (NTU)	Latitude (North)	Longitude (West)
HAWK2	7.14	9.01	0.675	5.01	36.7	39.21014	107.86717

Water Sample Summary – Laboratory Analytical Summary

Sample/Location Description: Domestic spring located at 63444 Salt Creek Road. Sample Date
10/23/2008

Compound Name (units)	Concentration	LQL
Dissolved Metals		
Arsenic (mg/L)	U	0.01
Barium (mg/L)	0.100	0.005
Cadmium (mg/L)	U	0.005
Chromium (mg/L)	U	0.01
Copper (mg/L)	U	0.01
Lead (mg/L)	U	0.005
Silver (mg/L)	U	0.5

Notes: LQL = Lower Quantitation Limit
mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Units

U = analysis performed but not detected
NT = not tested
mg/L = milligrams per liter



LABORATORY ANALYTICAL REPORT

Client: Cordilleran Compliance Services Inc
Project: Job EGO 8340
Lab ID: C08101099-001
Client Sample ID: Hawk 2

Report Date: 11/18/08
Collection Date: 10/23/08 10:45
Date Received: 10/24/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MICROBIOLOGICAL							
Bacteria, Iron Related	2300	CFU/ml		1.0		IRB-BART	10/24/08 11:10 / dkh
Bacteria, Sulfate Reducing	359000	CFU/ml		1.0		SRB-BART	10/24/08 11:10 / dkh
Slime	12500	CFU/ml		1.00		SLYM-BART	10/24/08 11:10 / dkh
MAJOR IONS							
Alkalinity, Total as CaCO ₃	326	mg/L		5		A2320 B	10/28/08 15:31 / ljl
Carbonate as CO ₃	ND	mg/L		5		A2320 B	10/28/08 15:31 / ljl
Bicarbonate as HCO ₃	397	mg/L		5		A2320 B	10/28/08 15:31 / ljl
Hydroxide as OH	ND	mg/L		1		A2320 B	10/28/08 15:31 / ljl
Bromide	ND	mg/L		0.05		E300.0	11/10/08 14:52 / ljl
Calcium	83.3	mg/L		0.4		SW6010B	11/04/08 16:54 / cp
Chloride	19.1	mg/L		0.5		E300.0	10/28/08 12:57 / ljl
Fluoride	0.5	mg/L		0.1		A4500-F C	10/27/08 16:42 / ljl
Magnesium	32.7	mg/L	D	0.04		SW6010B	11/04/08 16:54 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.1		A4500-NH ₃ G	10/27/08 11:21 / jal
Nitrogen, Nitrate+Nitrite as N	0.6	mg/L		0.1		E353.2	10/29/08 09:12 / jal
Nitrogen, Nitrite as N	ND	mg/L		0.1		A4500-NO ₂ B	10/24/08 15:10 / jal
Potassium	1.3	mg/L		0.1		SW6010B	11/04/08 16:54 / cp
Sodium	34.5	mg/L	D	0.8		SW6010B	11/04/08 16:54 / cp
Sulfate	29.0	mg/L		0.5		E300.0	10/28/08 12:57 / ljl
NON-METALS							
Sulfide	ND	mg/L		1		A4500-S F	10/28/08 10:37 / jdp
PHYSICAL PROPERTIES							
Conductivity	693	umhos/cm		1		A2510 B	10/27/08 09:43 / dd
pH	7.48	s.u.		0.01		A4500-H B	10/27/08 09:43 / dd
Solids, Total Dissolved TDS @ 180 C	389	mg/L		10		A2540 C	10/27/08 14:31 / jah
METALS - DISSOLVED							
Arsenic	ND	mg/L		0.01		SW6020	11/05/08 20:54 / sml
Barium	0.100	mg/L		0.005		SW6020	11/05/08 20:54 / sml
Cadmium	ND	mg/L		0.005		SW6010B	11/04/08 16:54 / cp
Chromium	ND	mg/L		0.01		SW6010B	11/04/08 16:54 / cp
Copper	ND	mg/L		0.01		SW6010B	11/04/08 16:54 / cp
Iron	ND	mg/L		0.1		SW6010B	11/04/08 16:54 / cp
Lead	ND	mg/L		0.005		SW6020	11/05/08 20:54 / sml
Manganese	ND	mg/L		0.01		SW6010B	11/04/08 16:54 / cp
Selenium	ND	mg/L		0.005		SW6020	11/05/08 20:54 / sml
Silver	ND	mg/L		0.5		SW6010B	11/04/08 16:54 / cp

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Cordilleran Compliance Services Inc
Project: Job EGO 8340
Lab ID: C08101099-001
Client Sample ID: Hawk 2

Report Date: 11/18/08
Collection Date: 10/23/08 10:45
Date Received: 10/24/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	4.12	%				Calculation	11/07/08 16:56 / sdw
Anions	7.72	meq/L				Calculation	11/07/08 16:56 / sdw
Cations	8.38	meq/L				Calculation	11/07/08 16:56 / sdw
Solids, Total Dissolved Calculated	436	mg/L				Calculation	11/07/08 16:56 / sdw
TDS Balance (0.80 - 1.20)	0.890					Calculation	11/07/08 16:56 / sdw
VOLATILE ORGANIC COMPOUNDS							
Benzene	ND	ug/L		0.50		SW8021B	10/29/08 20:32 / jlr
Ethylbenzene	ND	ug/L		0.50		SW8021B	10/29/08 20:32 / jlr
m+p-Xylenes	ND	ug/L		1.5		SW8021B	10/29/08 20:32 / jlr
Methyl tert-butyl ether (MTBE)	ND	ug/L		4.0		SW8021B	11/04/08 16:33 / jlr
o-Xylene	ND	ug/L		1.5		SW8021B	10/29/08 20:32 / jlr
Toluene	ND	ug/L		2.0		SW8021B	10/29/08 20:32 / jlr
Surr: Trifluorotoluene	88.0	%REC		80-120		SW8021B	10/29/08 20:32 / jlr
NATURAL GAS COMPOUNDS							
Methane	ND	mg/L		0.008		SW8015M	10/29/08 08:27 / eli-b

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

WATER QUALITY STANDARDS AND INTERPRETATION OF RESULTS

INORGANIC CHEMICAL CONSTITUENTS

Total Dissolved Solids (TDS): The Colorado Department of Public Health and Environment (CDPHE) drinking water standard for TDS is 500 milligrams per liter (mg/l). Although CDPHE does not have an agricultural standard for TDS, other agencies recommend concentrations below 2,000 mg/l for irrigation and below 5,000 mg/l for most livestock watering. TDS concentrations can be related to the naturally occurring elements and chemical compounds such as chloride, sodium, potassium, calcium, magnesium, and sulfate.

Sodium (Na) and Potassium (K): The CDPHE does not currently have a drinking water standard for either sodium or potassium. All natural waters contain sodium and potassium, but usually only in small amounts in natural or unimpacted surface waters in humid regions. In arid regions, or areas of limited rainfall, water may contain larger amounts of sodium. Moderate amounts of sodium and potassium have little effect on the usefulness of water, except that potassium is a requirement for plant growth and individuals on salt restricted diets should be aware of the sodium concentration in the water they drink. A sodium concentration in drinking water of less than 20 mg/l is recommended for people suffering from hypertension or heart disease. Sodium occurs naturally in the ground water in many areas at concentrations that exceed the recommended level.

Fluoride (F): The CDPHE drinking water standard for fluoride is 4 mg/l. Fluoride in small amounts can be found in natural surface water. Ground waters occasionally show undesirably high fluoride concentrations. Fluoride concentrations between 0.7 and 1.2 mg/l have shown health benefits such as reduced dental decay. Fluoride concentrations above 2 mg/l can

cause mottling of teeth, particularly if consumed during the calcification or formation of teeth. Fluoride consumption exceeding 4 mg/l can result in an increased risk of skeletal fluorosis or other adverse health effects.

Chloride (Cl): The CDPHE drinking water standard for Cl is 250 mg/l. Chloride is dissolved from most rocks and soils. Waters in humid regions are usually low in chloride content. Arid/Semi-arid regions often contain high levels. Chloride also contributes to the increase in salinity of soils under irrigation. It inhibits crop growth and becomes toxic at higher concentrations. Chloride concentrations in excess of 250 mg/l usually produce a noticeable taste in drinking water.

Sulfate (SO₄): The CDPHE sulfate standard for drinking water is 250 mg/l. Although CDPHE does not have an agricultural standard for sulfate, other agencies recommend a concentration below 1,500 mg/l for livestock watering. Waters containing high concentrations of sulfate, typically caused by the leaching of natural deposits of magnesium sulfate (Epsom salts) or sodium sulfate (Glauber's salt), may be undesirable because of their laxative effects. Sulfate occurs naturally in the ground water in many areas in Colorado at concentrations that exceed the drinking water standard.

Total Nitrite (NO₂) / Total Nitrates (NO₃) as Nitrogen (N): The CDPHE drinking water standard for Total Nitrite (NO₂) / Total Nitrates (NO₃) as Nitrogen (N) is 10 mg/l. Nitrite and Nitrates are common ground water contaminants associated with agricultural sources including fertilizers, animal, and human wastes. Nitrogen compounds come from the oxidation of nitrogenous organic material such as wastes. Nitrogen impacts are known to cause infant

cyanosis or “blue baby disease” in humans and may be dangerous to livestock at concentrations greater than 100 mg/l. High concentrations of nitrite and nitrate in ground water are known to occur in agricultural areas in Colorado.

Iron (Fe): The CDPHE drinking water standard for iron is 0.3 mg/l. Small amounts of iron are common in ground water. High concentrations cause reddish-brown stains on white porcelain, enameled ware, fixtures and fabrics. After a period of time iron deposits can build up in water storage devices, reducing the effective flow rate and efficiency of the device. Small quantities of iron are essential for plant growth and development, however, toxicity occurs when concentrations exceed 5 mg/l.

Selenium (Se): The CDPHE selenium standard for human drinking water is 0.05 mg/l and the agricultural standard is 0.02 mg/l. Excessive selenium (concentrations greater than 0.05 mg/l) can cause loss of hair and/or fingernails as well as adverse effects on the central nervous system. Selenium occurs naturally in the ground water in many areas of Colorado at concentrations that exceed the drinking water standard.

Calcium (Ca), Magnesium (Mg), and Manganese (Mn): The CDPHE does not currently have a drinking water standard for calcium, magnesium, or manganese. These are the most common cations dissolved in water and the more cations dissolved in water, the “harder” the water.

ORGANIC COMPOUNDS

Benzene: The CDPHE basic ground water standard for benzene is 5 micrograms per liter (ug/l).

Toluene: The CDPHE basic ground water standard for toluene is 1,000 ug/l.

Ethylbenzene: The CDPHE basic ground water standard for ethylbenzene is 680 ug/l.

Total Xylenes (sum of m, p, and o-xylene): The CDPHE basic ground water standard for total xylenes is 10,000 ug/l.

Methyl Tertiary-Butyl Ether (MTBE): The CDPHE does not currently have a drinking water standard for MTBE. The Environmental Protection Agency (EPA) has concluded from available studies that keeping concentrations in the range of 20 to 40 ug/l of water or below will likely avert unpleasant taste and odor effects.

Total Petroleum Hydrocarbons (TPH): The CDPHE does not currently have a drinking water standard for TPH. TPH is commonly associated with fuels and industrial processes. TPH is a term used to describe a large family of several hundred chemical compounds that originally come from crude oil. No health or environmental benchmarks have been developed for TPH as a general category, though many exist for individual petroleum chemicals or products, such as gasoline. Animal studies have shown effects on the lungs, central nervous system, liver, and kidney from exposure to TPH compounds. Some TPH compounds have also been shown to affect reproduction and the developing fetus in animals.

METHANE

There are no drinking water standards for methane. Dissolved methane in water is not uncommon in water wells in Colorado. It occurs naturally from both biological and non-biological sources. In sufficient quantities, effervescence may be detected in the water as the methane “exsolves” itself once exposed to atmospheric conditions. Methane gas alone is physiologically inert and non-toxic to humans, however in sufficient concentrations and allowed to accumulate may be an explosive hazard. Dissolved gases in water can also cause pump cavitations in water well systems leading to pump damage and excessive wear.

ADDITIONAL WATER QUALITY STANDARDS

Arsenic (As): The Colorado Department of Public Health and Environment (CDPHE) drinking water standard for arsenic is 0.01 milligrams per liter (mg/l). The contamination of a drinking water source by arsenic can result from either natural or human activities. Arsenic is an element that occurs naturally in rocks and soil, water, air, plants, and animals. Volcanic activity, the erosion of rocks and minerals, and forest fires are natural sources that can release arsenic into the environment. Although about 90 percent of the arsenic used by industry in the United States is currently used for wood preservative purposes, arsenic is also used in paints, drugs, dyes, soaps, metals and semi-conductors. Agricultural applications, mining, and smelting also contribute to arsenic releases. Prolonged exposure to arsenic in concentrations above 0.05 mg/l can cause cancer of the skin, bladder, lung, kidney, nasal passages, liver and prostate. It can also adversely affect cardiovascular, pulmonary, immunological, neurological and endocrine (i.e. Diabetes) systems.

Barium (Ba): The CDPHE drinking water standard for barium is 2.0 mg/l. Barium is released to water and soil in the discharge and disposal of drilling wastes, from the smelting of copper, and the manufacture of motor vehicle parts and accessories. The Environmental Protection Agency (EPA) has found barium to potentially cause gastrointestinal disturbances and muscular weakness resulting from acute exposures at levels above 2.0 mg/l. Barium also has the potential to cause hypertension resulting from long-term exposure to drinking water containing barium.

Aluminum (Al): The CDPHE does not currently have a drinking water standard for aluminum. Aluminum concentrations between 0.05 to 0.2 mg/l have been known to noticeably affect the color of water. Little to no information is known on possible health effects.

Copper (Cu): The CDPHE drinking water standard for copper is 1.0 mg/l. Concentrations of copper above the standard have been known to cause a metallic taste, and blue-green staining of fixtures. Little to no information is known on possible health effects.

Zinc (Zn): The CDPHE drinking water standard for zinc is 5.0 mg/l. Concentrations of zinc above the standard have been known to cause a metallic taste. Little to no information is known on possible health effects.

Boron (B): The CDPHE does not currently have a drinking water standard for boron. Boron is often found in rock and soil, and is slowly released into the water. Because boron is widespread in our environment and in the food chain, we all have some of it in

our bodies. It is estimated that people take in an average of 10 to 25 milligrams of boron every day from the food they eat.

Lead (Pb): The CDPHE drinking water standard for lead is 0.05 mg/l. Typically, lead gets into your water after the water leaves your well. That is, the source of lead in your home's water is most likely pipe or solder in your home's own plumbing. The most common cause is corrosion, a reaction between the water and the lead pipes or solder. Dissolved oxygen, low pH (acidity) and low mineral content in water are common causes of corrosion. Exposures to lead concentrations above the CDPHE standard can cause serious damage to the brain, kidneys, nervous system, and red blood cells in young children and pregnant women.

Nickel (Ni): The CDPHE drinking water standard for nickel is 0.1 mg/l. Nickel is a metal found in natural deposits as ores containing other elements. The greatest use of nickel is in making stainless steel and other alloys. Nickel compounds can be made as a by-product during various industrial processes that use nickel catalysts, such as coal gasification, petroleum refining, and hydrogenation of fats and oils. Nickel concentrations above the CDPHE standard have the potential to cause the following effects from a lifetime exposure: decreased body weight, heart and liver damage, skin irritation.

Strontium (Sr): The CDPHE does not currently have a drinking water standard for strontium. Strontium is a naturally occurring element found in rocks, soil, dust, coal, and oil. Strontium compounds are used in making ceramics and glass products, pyrotechnics, paint pigments, fluorescent lights, and medicines. In children, high levels of stable strontium can impair bone growth.

Bromide (Br) & Silica (Si): The CDPHE does not currently have a drinking water standard for bromide or silica. Both bromide and silica are found in groundwater from the erosion of natural deposits. Little to no information is known on possible health effects.

HAWKINS SPRING 1 Analytical Summary
Hawkins 10-9 Water Quality
SENW Section 10 Township 10S Range 94W
OXY

Field Parameters							
Sample ID	pH	Temp (°C)	Cond (mS/cm)	Diss. Oxygen (mg/L)	Turbidity (NTU)	Latitude (°North)	Longitude (°West)
HAWK1	7.28	3.5	0.718	6.58	10.2	39.20723	107.86046

Water Sample Summary - Laboratory Analytical Summary

Sample/Location Description: Domestic spring located at 63511 Salt Creek Road Sample Date: 3/13/2009

Compound Name (units)	Concentration	LQL
Methane (mg/L)	U	0.008
Hydrogen Sulfide (mg/L)	Present	1
MTBE (µg/L)	U	4
BTEX		
Benzene (µg/L)	U	1
Toluene (µg/L)	U	4
Ethylbenzene (µg/L)	U	1
m,p-Xylene (µg/L)	U	3
o-Xylene (µg/L)	U	3
Total Xylenes (µg/L)	NT	1.5
Oil and Grease (mg/L)	NT	1
Ammonia As N (mg/L)	U	0.1
Nitrite (mg/L)	U	0.1
Nitrate (mg/L)	0.2	0.1
Nitrite & Nitrate (mg/L)	0.23	0.05
Sulfate (mg/L)	70	0.5
Total Alkalinity (mg/L CaCO3)	328	5
Bicarbonate (mg/L)	401	5
Carbonate (mg/L)	U	5
Total Dissolved Solids (mg/L)	469	10
Bromide (mg/L)	0.06	0.05
Chloride (mg/L)	8	0.5
Fluoride (mg/L)	0.5	0.1
Sulfate Reducing Bacteria (CFU/mL)	200	Not Specified
Iron Reducing Bacteria (CFU/mL)	500	Not Specified
Slime Forming Bacteria (CFU/mL)	12500	Not Specified
Dissolved Metals		
Calcium (mg/L)	73.5	0.4
Iron (mg/L)	U	0.1
Potassium (mg/L)	1.3	0.2
Magnesium (mg/L)	27.8	0.5
Manganese (mg/L)	U	0.01
Sodium (mg/L)	49.3	0.5
Selenium (mg/L)	U	0.005

Notes LQL = Lower Quantitation Limit
mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Units
U = analysis performed but not detected
NT = not tested

mg/L CaCO3 = milligrams per liter of calcium carbonate
mg/L = milligrams per liter
µg/L = micrograms per liter
CFU/mL = Colony Forming Units per milliliter

HAWKINS SPRING 1 Analytical Summary
Hawkins 10-9 Water Quality
SENW Section 10 Township 10S Range 94W
OXY

Field Parameters

Sample ID	pH	Temp (°C)	Cond (mS/cm)	Diss. Oxygen (mg/L)	Turbidity (NTU)	Latitude (North)	Longitude (West)
HAWK1	7.28	3.5	0.718	6.58	10.2	39.20723	107.86046

Water Sample Summary – Laboratory Analytical Summary

Sample/Location Description: Domestic spring located at 63511 Salt Creek Road. Sample Date: 3/13/2009

Compound Name (units)	Concentration	LQL
Dissolved Metals		
Arsenic (mg/L)	U	0.01
Barium (mg/L)	0.065	0.005
Cadmium (mg/L)	U	0.005
Chromium (mg/L)	U	0.01
Copper (mg/L)	U	0.01
Lead (mg/L)	U	0.005
Silver (mg/L)	U	0.5

Notes: LQL = Lower Quantitation Limit U = analysis performed but not detected
mS/cm = milliSiemens per centimeter NT = not tested
NTU = Nephelometric Turbidity Units mg/L = milligrams per liter

HAWKINS SPRING SAMPLE Analytical Summary**Hawkins 10-9 Water Quality****NWNE Section 10 Township 10S Range 94W****OXY**

Field Parameters							
Sample ID	pH	Temp (°C)	Cond (mS/cm)	Diss. Oxygen (mg/L)	Turbidity (NTU)	Latitude (°North)	Longitude (°West)
HAWK2	7.41	5.23	0.72	5.16	0.6	39.21014	107.86717

Water Sample Summary - Laboratory Analytical Summary

Sample/Location Description: Domestic spring located at 63444 Salt Creek Road Sample Date: 3/13/2009

Compound Name (units)	Concentration	LQL
Methane (mg/L)	U	0.008
Hydrogen Sulfide (mg/L)	U	1
MTBE (µg/L)	U	4
BTEX		
Benzene (µg/L)	U	1
Toluene (µg/L)	U	4
Ethylbenzene (µg/L)	U	1
m,p-Xylene (µg/L)	U	3
o-Xylene (µg/L)	U	3
Total Xylenes (µg/L)	NT	1.5
Oil and Grease (mg/L)	NT	1
Ammonia As N (mg/L)	U	0.1
Nitrite (mg/L)	U	0.1
Nitrate (mg/L)	0.5	0.1
Nitrite & Nitrate (mg/L)	0.46	0.1
Sulfate (mg/L)	60.7	0.5
Total Alkalinity (mg/L CaCO3)	334	5
Bicarbonate (mg/L)	407	5
Carbonate (mg/L)	U	5
Total Dissolved Solids (mg/L)	472	10
Bromide (mg/L)	0.11	0.05
Chloride (mg/L)	19.2	0.5
Fluoride (mg/L)	0.5	0.1
Sulfate Reducing Bacteria (CFU/mL)	18000	Not Specified
Iron Reducing Bacteria (CFU/mL)	500	Not Specified
Slime Forming Bacteria (CFU/mL)	66500	Not Specified
Dissolved Metals		
Calcium (mg/L)	72.6	0.4
Iron (mg/L)	U	0.1
Potassium (mg/L)	1.5	0.2
Magnesium (mg/L)	29.9	0.5
Manganese (mg/L)	U	0.01
Sodium (mg/L)	47.6	0.5
Selenium (mg/L)	U	0.005

Notes LQL = Lower Quantitation Limit
mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Units
U = analysis performed but not detected
NT = not tested

mg/L CaCO3 = milligrams per liter of calcium carbonate
mg/L = milligrams per liter
µg/L = micrograms per liter
CFU/mL = Colony Forming Units per milliliter

HAWKINS SPRING SAMPLE Analytical Summary

Hawkins 10-9 Water Quality

NWNE Section 10 Township 10S Range 94W

OXY

Field Parameters

Sample ID	pH	Temp (°C)	Cond (mS/cm)	Diss. Oxygen (mg/L)	Turbidity (NTU)	Latitude (North)	Longitude (West)
HAWK2	7.41	5.23	0.72	5.16	0.6	39.21014	107.86717

Water Sample Summary – Laboratory Analytical Summary

Sample/Location Description: Domestic spring located at 63444 Salt Creek Road. Sample Date: 3/13/2009

Compound Name (units)	Concentration	LQL
Dissolved Metals		
Arsenic (mg/L)	U	0.01
Barium (mg/L)	0.105	0.005
Cadmium (mg/L)	U	0.005
Chromium (mg/L)	U	0.01
Copper (mg/L)	U	0.01
Lead (mg/L)	U	0.005
Silver (mg/L)	U	0.5

Notes: LQL = Lower Quantitation Limit
mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Units

U = analysis performed but not detected
NT = not tested
mg/L = milligrams per liter



ANALYTICAL SUMMARY REPORT

April 16, 2009

Cordilleran Compliance Services Inc

826 21½ Rd

Grand Junction, CO 81505

Workorder No.: C09030465

Quote ID: C1830 - Baseline

Project Name: 008-2343

Energy Laboratories, Inc. received the following 2 samples for Cordilleran Compliance Services Inc on 3/14/2009 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C09030465-001	Hawk 1	03/13/09 12:15	03/14/09	Aqueous	Metals by ICP/ICPMS, Dissolved Alkalinity QA Calculations Conductivity Fluoride SW8021B, BTEX Methane E300.0 Anions E300.0 Anions Nitrogen, Ammonia Nitrogen, Nitrite Nitrogen, Nitrate + Nitrite Nitrogen, Nitrate as N pH Solids, Total Dissolved Sulfide, Iodine Titrimetric
C09030465-002	Hawk 2	03/13/09 13:10	03/14/09	Aqueous	Same As Above

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By:

Stephanie Waldrup



LABORATORY ANALYTICAL REPORT

Client: Cordilleran Compliance Services Inc
Project: 008-2343
Lab ID: C09030465-001
Client Sample ID: Hawk 1

Report Date: 04/16/09
Collection Date: 03/13/09 12:15
Date Received: 03/14/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Alkalinity, Total as CaCO ₃	328	mg/L		5		A2320 B	03/17/09 20:01 / ljl
Carbonate as CO ₃	ND	mg/L		5		A2320 B	03/17/09 20:01 / ljl
Bicarbonate as HCO ₃	401	mg/L		5		A2320 B	03/17/09 20:01 / ljl
Hydroxide as OH	ND	mg/L		1		A2320 B	03/17/09 20:01 / ljl
Bromide	0.06	mg/L		0.05		E300.0	03/27/09 12:52 / ljl
Calcium	73.5	mg/L		0.4		SW6010B	03/19/09 04:14 / rdw
Chloride	8.0	mg/L		0.5		E300.0	03/19/09 05:59 / ljl
Fluoride	0.5	mg/L		0.1		A4500-F C	03/17/09 13:22 / ljl
Magnesium	27.8	mg/L	D	0.5		SW6010B	03/19/09 04:14 / rdw
Nitrogen, Ammonia as N	ND	mg/L		0.1		E350.1	03/18/09 09:45 / eli-b
Nitrogen, Nitrate as N	0.2	mg/L		0.1		E353.2	04/13/09 18:07 / sec
Nitrogen, Nitrate+Nitrite as N	0.23	mg/L		0.05		E353.2	03/19/09 09:38 / eli-b
Nitrogen, Nitrite as N	ND	mg/L	H	0.1		A4500-NO ₂ B	03/16/09 17:18 / sp
Potassium	1.3	mg/L	D	0.2		SW6010B	03/19/09 04:14 / rdw
Sodium	49.3	mg/L		0.5		SW6010B	03/19/09 04:14 / rdw
Sulfate	70.0	mg/L		0.5		E300.0	03/19/09 05:59 / ljl
- The sample was received with insufficient time remaining, to meet the EPA-recommended holding time for Nitrite.							
NON-METALS							
Sulfide	1	mg/L		1		A4500-S F	03/16/09 13:56 / ja
PHYSICAL PROPERTIES							
Conductivity	772	umhos/cm		1		A2510 B	03/16/09 15:27 / dd
pH	7.58	s.u.		0.01		A4500-H B	03/16/09 15:27 / dd
Solids, Total Dissolved TDS @ 180 C	469	mg/L		10		A2540 C	03/17/09 11:53 / dd
METALS - DISSOLVED							
Arsenic	ND	mg/L		0.01		SW6020	03/16/09 17:51 / sml
Barium	0.065	mg/L		0.005		SW6020	03/17/09 13:19 / sml
Cadmium	ND	mg/L		0.005		SW6020	03/17/09 13:19 / sml
Chromium	ND	mg/L		0.01		SW6020	03/16/09 17:51 / sml
Copper	ND	mg/L		0.01		SW6020	03/16/09 17:51 / sml
Iron	ND	mg/L		0.1		SW6020	03/16/09 17:51 / sml
Lead	ND	mg/L		0.005		SW6020	03/17/09 13:19 / sml
Manganese	ND	mg/L		0.01		SW6020	03/16/09 17:51 / sml
Selenium	ND	mg/L		0.005		SW6020	03/16/09 17:51 / sml
Silver	ND	mg/L		0.5		SW6020	03/17/09 13:19 / sml
DATA QUALITY							
A/C Balance (± 5)	-0.964	%				Calculation	03/23/09 07:50 / kbh
Anions	8.29	meq/L				Calculation	03/23/09 07:50 / kbh
Cations	8.13	meq/L				Calculation	03/23/09 07:50 / kbh
Solids, Total Dissolved Calculated	447	mg/L				Calculation	03/23/09 07:50 / kbh
TDS Balance (0.80 - 1.20)	1.05					Calculation	03/23/09 07:50 / kbh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.



LABORATORY ANALYTICAL REPORT

Client: Cordilleran Compliance Services Inc
Project: 008-2343
Lab ID: C09030465-001
Client Sample ID: Hawk 1

Report Date: 04/16/09
Collection Date: 03/13/09 12:15
Date Received: 03/14/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Benzene	ND	ug/L		1.0		SW8021B	03/20/09 17:08 / jlr
Ethylbenzene	ND	ug/L		1.0		SW8021B	03/20/09 17:08 / jlr
m+p-Xylenes	ND	ug/L		3.0		SW8021B	03/20/09 17:08 / jlr
Methyl tert-butyl ether (MTBE)	ND	ug/L		4.0		SW8021B	03/20/09 17:08 / jlr
o-Xylene	ND	ug/L		3.0		SW8021B	03/20/09 17:08 / jlr
Toluene	ND	ug/L		4.0		SW8021B	03/20/09 17:08 / jlr
Surr: Trifluorotoluene	97.0	%REC		80-120		SW8021B	03/20/09 17:08 / jlr
NATURAL GAS COMPOUNDS							
Methane	ND	mg/L		0.008		SW8015M	03/18/09 08:38 / eli-b

Report
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Cordilleran Compliance Services Inc
Project: 008-2343
Lab ID: C09030465-002
Client Sample ID: Hawk 2

Report Date: 04/16/09
Collection Date: 03/13/09 13:10
Date Received: 03/14/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Alkalinity, Total as CaCO ₃	334	mg/L		5		A2320 B	03/17/09 20:09 / ljl
Carbonate as CO ₃	ND	mg/L		5		A2320 B	03/17/09 20:09 / ljl
Bicarbonate as HCO ₃	407	mg/L		5		A2320 B	03/17/09 20:09 / ljl
Hydroxide as OH	ND	mg/L		1		A2320 B	03/17/09 20:09 / ljl
Bromide	0.11	mg/L	D	0.05		E300.0	03/27/09 13:08 / ljl
Calcium	72.6	mg/L		0.4		SW6010B	03/19/09 04:18 / rdw
Chloride	19.2	mg/L		0.5		E300.0	03/19/09 06:45 / ljl
Fluoride	0.5	mg/L		0.1		A4500-F C	03/17/09 13:25 / ljl
Magnesium	29.9	mg/L	D	0.5		SW6010B	03/19/09 04:18 / rdw
Nitrogen, Ammonia as N	ND	mg/L		0.1		E350.1	03/18/09 09:46 / eli-b
Nitrogen, Nitrate as N	0.5	mg/L		0.1		E353.2	04/13/09 18:07 / sec
Nitrogen, Nitrate+Nitrite as N	0.46	mg/L		0.05		E353.2	03/19/09 09:39 / eli-b
Nitrogen, Nitrite as N	ND	mg/L	H	0.1		A4500-NO ₂ B	03/17/09 15:55 / jal
Potassium	1.5	mg/L	D	0.2		SW6010B	03/19/09 04:18 / rdw
Sodium	47.6	mg/L		0.5		SW6010B	03/19/09 04:18 / rdw
Sulfate	60.7	mg/L		0.5		E300.0	03/19/09 06:45 / ljl
- The sample was received with insufficient time remaining, to meet the EPA-recommended holding time for Nitrite.							
NON-METALS							
Sulfide	ND	mg/L		1		A4500-S F	03/16/09 13:59 / ja
PHYSICAL PROPERTIES							
Conductivity	795	umhos/cm		1		A2510 B	03/17/09 09:25 / dd
pH	7.53	s.u.		0.01		A4500-H B	03/17/09 09:25 / dd
Solids, Total Dissolved TDS @ 180 C	472	mg/L		10		A2540 C	03/17/09 11:54 / dd
METALS - DISSOLVED							
Arsenic	ND	mg/L		0.01		SW6020	03/16/09 18:05 / sml
Barium	0.105	mg/L		0.005		SW6020	03/16/09 18:05 / sml
Cadmium	ND	mg/L		0.005		SW6020	03/16/09 18:05 / sml
Chromium	ND	mg/L		0.01		SW6020	03/16/09 18:05 / sml
Copper	ND	mg/L		0.01		SW6020	03/16/09 18:05 / sml
Iron	ND	mg/L		0.1		SW6020	03/16/09 18:05 / sml
Lead	ND	mg/L		0.005		SW6020	03/16/09 18:05 / sml
Manganese	ND	mg/L		0.01		SW6020	03/16/09 18:05 / sml
Selenium	ND	mg/L		0.005		SW6020	03/16/09 18:05 / sml
Silver	ND	mg/L		0.5		SW6020	03/16/09 18:05 / sml
DATA QUALITY							
A/C Balance (± 5)	-1.99	%				Calculation	03/23/09 07:51 / kbh
Anions	8.53	meq/L				Calculation	03/23/09 07:51 / kbh
Cations	8.20	meq/L				Calculation	03/23/09 07:51 / kbh
Solids, Total Dissolved Calculated	462	mg/L				Calculation	03/23/09 07:51 / kbh
TDS Balance (0.80 - 1.20)	1.02					Calculation	03/23/09 07:51 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.



LABORATORY ANALYTICAL REPORT

Client: Cordilleran Compliance Services Inc
Project: 008-2343
Lab ID: C09030465-002
Client Sample ID: Hawk 2

Report Date: 04/16/09
Collection Date: 03/13/09 13:10
Date Received: 03/14/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Benzene	ND	ug/L		1.0		SW8021B	03/20/09 17:43 / jlr
Ethylbenzene	ND	ug/L		1.0		SW8021B	03/20/09 17:43 / jlr
m+p-Xylenes	ND	ug/L		3.0		SW8021B	03/20/09 17:43 / jlr
Methyl tert-butyl ether (MTBE)	ND	ug/L		4.0		SW8021B	03/20/09 17:43 / jlr
o-Xylene	ND	ug/L		3.0		SW8021B	03/20/09 17:43 / jlr
Toluene	ND	ug/L		4.0		SW8021B	03/20/09 17:43 / jlr
Surr: Trifluorotoluene	101	%REC		80-120		SW8021B	03/20/09 17:43 / jlr
NATURAL GAS COMPOUNDS							
Methane	ND	mg/L		0.008		SW8015M	03/18/09 08:43 / eli-b

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Cordilleran Compliance Services Inc

Project: 008-2343

Report Date: 04/16/09

Work Order: C09030465

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B										Batch: R116018
Sample ID: MBLK-1	4	Method Blank					Run: MANTECH_090317B			03/17/09 16:37
Alkalinity, Total as CaCO ₃		ND	mg/L	0.2						
Carbonate as CO ₃		ND	mg/L	1						
Bicarbonate as HCO ₃		ND	mg/L	1						
Hydroxide as OH		ND	mg/L	1						
Sample ID: LCS-1		Laboratory Control Sample					Run: MANTECH_090317B			03/17/09 16:45
Alkalinity, Total as CaCO ₃		200	mg/L	1.0	100	90	110			
Sample ID: C09030456-002AMS		Sample Matrix Spike					Run: MANTECH_090317B			03/17/09 19:16
Alkalinity, Total as CaCO ₃		297	mg/L	1.0	94	80	120			
Sample ID: C09030456-002AMSD		Sample Matrix Spike Duplicate					Run: MANTECH_090317B			03/17/09 19:23
Alkalinity, Total as CaCO ₃		300	mg/L	1.0	97	80	120	1.1	20	
Method: A2510 B										Analytical Run: ORION555A_090316B
Sample ID: ICV2_090316_2		Initial Calibration Verification Standard								03/16/09 15:12
Conductivity		1420	umhos/cm	1.0	101	90	110			
Method: A2510 B										Batch: 090316_2_PH-W_555A-1
Sample ID: MBLK1_090316_2		Method Blank					Run: ORION555A_090316B			03/16/09 15:08
Conductivity		2	umhos/cm	0.2						
Sample ID: C09030482-001ADUP		Sample Duplicate					Run: ORION555A_090316B			03/16/09 15:39
Conductivity		3640	umhos/cm	1.0				0.5	10	
Method: A2510 B										Analytical Run: ORION555A_090317A
Sample ID: ICV2_090317_1		Initial Calibration Verification Standard								03/17/09 09:16
Conductivity		1420	umhos/cm	1.0	100	90	110			
Method: A2510 B										Batch: 090317_1_PH-W_555A-1
Sample ID: MBLK1_090317_1		Method Blank					Run: ORION555A_090317A			03/17/09 09:10
Conductivity		1	umhos/cm	0.2						
Sample ID: C09030491-003ADUP		Sample Duplicate					Run: ORION555A_090317A			03/17/09 09:39
Conductivity		882	umhos/cm	1.0				0.2	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Cordilleran Compliance Services Inc

Project: 008-2343

Report Date: 04/16/09

Work Order: C09030465

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C								Batch: 090317_1_SLDS-TDS-W		
Sample ID: MBLK1_090317	Method Blank					Run: BAL-1_090317B		03/17/09 11:49		
Solids, Total Dissolved TDS @ 180 C		ND	mg/L	6						
Sample ID: LCS1_090317	Laboratory Control Sample					Run: BAL-1_090317B		03/17/09 11:49		
Solids, Total Dissolved TDS @ 180 C		950	mg/L	10	95	90	110			
Sample ID: C09030491-007AMS	Sample Matrix Spike					Run: BAL-1_090317B		03/17/09 11:52		
Solids, Total Dissolved TDS @ 180 C		2700	mg/L	10	100	90	110			
Sample ID: C09030491-007AMSD	Sample Matrix Spike Duplicate					Run: BAL-1_090317B		03/17/09 11:52		
Solids, Total Dissolved TDS @ 180 C		2690	mg/L	10	99	90	110	0.3	10	
Sample ID: C09030491-008AMS	Sample Matrix Spike					Run: BAL-1_090317B		03/17/09 11:55		
Solids, Total Dissolved TDS @ 180 C		2670	mg/L	10	98	90	110			
Sample ID: C09030491-008AMSD	Sample Matrix Spike Duplicate					Run: BAL-1_090317B		03/17/09 11:55		
Solids, Total Dissolved TDS @ 180 C		2510	mg/L	10	90	90	110	6.2	10	
Method: A4500-F C								Batch: R115972		
Sample ID: MBLK-1	Method Blank					Run: MANTECH_090317A		03/17/09 10:46		
Fluoride		ND	mg/L	0.05						
Sample ID: LCS-1	Laboratory Control Sample					Run: MANTECH_090317A		03/17/09 10:49		
Fluoride		0.980	mg/L	0.10	98	90	110			
Sample ID: C09030456-003AMS	Sample Matrix Spike					Run: MANTECH_090317A		03/17/09 13:13		
Fluoride		1.14	mg/L	0.10	100	80	120			
Sample ID: C09030456-003AMSD	Sample Matrix Spike Duplicate					Run: MANTECH_090317A		03/17/09 13:15		
Fluoride		1.12	mg/L	0.10	98	80	120	1.8	10	
Method: A4500-H B								Analytical Run: ORION555A_090316B		
Sample ID: ICV1_090316_2	Initial Calibration Verification Standard							03/16/09 15:11		
pH		6.75	s.u.	0.010	98	98	102			
Method: A4500-H B								Batch: 090316_2_PH-W_555A-1		
Sample ID: C09030482-001ADUP	Sample Duplicate					Run: ORION555A_090316B		03/16/09 15:39		
pH		7.66	s.u.	0.010				0	10	
Method: A4500-H B								Analytical Run: ORION555A_090317A		
Sample ID: ICV1_090317_1	Initial Calibration Verification Standard							03/17/09 09:12		
pH		6.85	s.u.	0.010	100	98	102			
Method: A4500-H B								Batch: 090317_1_PH-W_555A-1		
Sample ID: C09030491-003ADUP	Sample Duplicate					Run: ORION555A_090317A		03/17/09 09:39		
pH		7.29	s.u.	0.010				0.3	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Cordilleran Compliance Services Inc

Project: 008-2343

Report Date: 04/16/09

Work Order: C09030465

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NO2 B							Analytical Run: HACH DR3000_090316B			
Sample ID: ICV-2	Initial Calibration Verification Standard									03/16/09 17:18
Nitrogen, Nitrite as N		1.01	mg/L	0.10	101	90	110			
Method: A4500-NO2 B							Batch: A2009-03-16_6_NO2_01			
Sample ID: MBLK-1	Method Blank					Run: HACH DR3000_090316B			03/16/09 17:18	
Nitrogen, Nitrite as N		ND	mg/L	0.003						
Sample ID: C09030465-001AMS	Sample Matrix Spike					Run: HACH DR3000_090316B			03/16/09 17:19	
Nitrogen, Nitrite as N		0.0449	mg/L	0.10	94	90	110			
Sample ID: C09030465-001AMSD	Sample Matrix Spike Duplicate					Run: HACH DR3000_090316B			03/16/09 17:19	
Nitrogen, Nitrite as N		0.0456	mg/L	0.10	96	90	110		10	
Method: A4500-NO2 B							Analytical Run: HACH DR3000_090317C			
Sample ID: ICV-2	Initial Calibration Verification Standard									03/17/09 15:43
Nitrogen, Nitrite as N		1.01	mg/L	0.10	101	90	110			
Method: A4500-NO2 B							Batch: A2009-03-17_6_NO2_01			
Sample ID: MBLK-1	Method Blank					Run: HACH DR3000_090317C			03/17/09 15:43	
Nitrogen, Nitrite as N		ND	mg/L	0.003						
Sample ID: C09030523-001AMS	Sample Matrix Spike					Run: HACH DR3000_090317C			03/17/09 15:55	
Nitrogen, Nitrite as N		0.0527	mg/L	0.050	105	90	110			
Sample ID: C09030523-001AMSD	Sample Matrix Spike Duplicate					Run: HACH DR3000_090317C			03/17/09 15:56	
Nitrogen, Nitrite as N		0.0521	mg/L	0.050	104	90	110	1.1	10	
Method: A4500-S F							Analytical Run: TITRATION_090316A			
Sample ID: ICV-042808	Initial Calibration Verification Standard									03/16/09 13:53
Sulfide		52.0	mg/L	1.0	93	80	120			
Method: A4500-S F							Batch: 090316-SULFIDE-TTR-W			
Sample ID: MBLK7-090316	Method Blank					Run: TITRATION_090316A			03/16/09 13:50	
Sulfide		ND	mg/L	0.1						
Sample ID: C09030482-005FMS	Sample Matrix Spike					Run: TITRATION_090316A			03/16/09 14:17	
Sulfide		41.2	mg/L	1.0	96	80	120			
Sample ID: C09030482-005FMSD	Sample Matrix Spike Duplicate					Run: TITRATION_090316A			03/16/09 14:21	
Sulfide		41.6	mg/L	1.0	97	80	120	1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Cordilleran Compliance Services Inc

Project: 008-2343

Report Date: 04/16/09

Work Order: C09030465

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0										Batch: R116083
Sample ID: LCS	2	Laboratory Control Sample				Run: IC1-C_090318A				03/18/09 18:56
Chloride		9.57	mg/L	1.0	96	90	110			
Sulfate		38.0	mg/L	1.0	95	90	110			
Sample ID: MBLK	2	Method Blank				Run: IC1-C_090318A				03/18/09 19:12
Chloride		ND	mg/L	0.02						
Sulfate		ND	mg/L	0.06						
Sample ID: C09030459-001AMS	2	Sample Matrix Spike				Run: IC1-C_090318A				03/19/09 05:28
Chloride		49.1	mg/L	1.0	95	90	110			
Sulfate		670	mg/L	1.0	88	90	110			S
Sample ID: C09030459-001AMSD	2	Sample Matrix Spike Duplicate				Run: IC1-C_090318A				03/19/09 05:44
Chloride		49.2	mg/L	1.0	95	90	110	0.2	20	
Sulfate		662	mg/L	1.0	84	90	110	1.2	20	S
Method: E300.0										Batch: R116341
Sample ID: LCS		Laboratory Control Sample				Run: IC1-C_090326A				03/27/09 11:51
Bromide		0.0946	mg/L	0.050	95	85	115			
Sample ID: MBLK		Method Blank				Run: IC1-C_090326A				03/27/09 12:06
Bromide		ND	mg/L	0.03						
Sample ID: C09030465-002AMS		Sample Matrix Spike				Run: IC1-C_090326A				03/27/09 13:23
Bromide		0.601	mg/L	0.050	99	85	115			
Sample ID: C09030465-002AMSD		Sample Matrix Spike Duplicate				Run: IC1-C_090326A				03/27/09 13:39
Bromide		0.587	mg/L	0.050	96	85	115	2.4	20	
Method: E350.1										Analytical Run: SUB-B126357
Sample ID: ICV		Initial Calibration Verification Standard								03/18/09 08:59
Nitrogen, Ammonia as N		5.13	mg/L	0.11	94	90	110			
Method: E350.1										Batch: B_R126357
Sample ID: MBLK		Method Blank				Run: SUB-B126357				03/18/09 09:00
Nitrogen, Ammonia as N		ND	mg/L	0.02						
Sample ID: LFB		Laboratory Fortified Blank				Run: SUB-B126357				03/18/09 09:01
Nitrogen, Ammonia as N		1.07	mg/L	0.10	108	90	110			
Sample ID: B09031198-001GMS		Sample Matrix Spike				Run: SUB-B126357				03/18/09 09:40
Nitrogen, Ammonia as N		0.903	mg/L	0.050	90	90	110			
Sample ID: B09031198-001GMSD		Sample Matrix Spike Duplicate				Run: SUB-B126357				03/18/09 09:42
Nitrogen, Ammonia as N		0.932	mg/L	0.050	93	90	110	3.2	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: Cordilleran Compliance Services Inc

Project: 008-2343

Report Date: 04/16/09

Work Order: C09030465

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2								Analytical Run: SUB-B126416		
Sample ID: ICV		Initial Calibration Verification Standard								03/19/09 08:52
Nitrogen, Nitrate+Nitrite as N		37.4	mg/L	0.050	106	90	110			
Method: E353.2								Batch: B_R126416		
Sample ID: MBLK		Method Blank								03/19/09 08:53
Nitrogen, Nitrate+Nitrite as N		0.002	mg/L	0.002						
Sample ID: LFB		Laboratory Fortified Blank								03/19/09 08:54
Nitrogen, Nitrate+Nitrite as N		1.03	mg/L	0.050	105	90	110			
Sample ID: B09031198-001GMS		Sample Matrix Spike								03/19/09 09:33
Nitrogen, Nitrate+Nitrite as N		2.64	mg/L	0.050	104	90	110			
Sample ID: B09031198-001GMSD		Sample Matrix Spike Duplicate								03/19/09 09:34
Nitrogen, Nitrate+Nitrite as N		2.62	mg/L	0.050	103	90	110	0.4	10	
Method: SW8015M								Analytical Run: SUB-B126358		
Sample ID: CCV		Continuing Calibration Verification Standard								03/18/09 07:34
Methane		990	ppm	2.0	99	85	115			
Sample ID: CCV2		Continuing Calibration Verification Standard								03/18/09 09:01
Methane		97	ppm	2.0	104	80	120			
Method: SW8015M								Batch: B_R126358		
Sample ID: MBLK		Method Blank								03/18/09 07:47
Methane		ND	mg/L	0.0010						
Sample ID: B09031149-001DDUP		Sample Duplicate								03/18/09 08:34
Methane		34.2	mg/L	0.0010				1.9	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Cordilleran Compliance Services Inc

Report Date: 04/16/09

Project: 008-2343

Work Order: C09030465

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020										Batch: R115928
Sample ID: LRB	<u>10</u>	Method Blank					Run: ICPMS4-C_090316A			03/16/09 13:13
Arsenic		4E-06	mg/L							
Barium		5E-06	mg/L							
Cadmium		8E-06	mg/L							
Chromium		2E-06	mg/L							
Copper		ND	mg/L							
Iron		8E-05	mg/L	1E-06						
Lead		ND	mg/L							
Manganese		ND	mg/L							
Selenium		ND	mg/L							
Silver		3E-05	mg/L							
Sample ID: LFB	<u>10</u>	Laboratory Fortified Blank					Run: ICPMS4-C_090316A			03/16/09 13:20
Arsenic		0.0492	mg/L	0.0010	98	85	115			
Barium		0.0497	mg/L	0.0010	99	85	115			
Cadmium		0.0494	mg/L	0.0010	99	85	115			
Chromium		0.0489	mg/L	0.0010	98	85	115			
Copper		0.0496	mg/L	0.0010	99	85	115			
Iron		1.28	mg/L	0.0010	103	85	115			
Lead		0.0484	mg/L	0.0010	97	85	115			
Manganese		0.0468	mg/L	0.0010	94	85	115			
Selenium		0.0492	mg/L	0.0010	98	85	115			
Silver		0.0192	mg/L	0.0010	96	85	115			
Sample ID: C09010817-010CMS4	<u>10</u>	Sample Matrix Spike					Run: ICPMS4-C_090316A			03/16/09 15:08
Arsenic		0.173	mg/L	0.0010	88	70	130			
Barium		0.0692	mg/L	0.050	95	70	130			
Cadmium		0.0446	mg/L	0.010	88	70	130			
Chromium		0.0436	mg/L	0.040	87	70	130			
Copper		0.0449	mg/L	0.010	85	70	130			
Iron		5.26	mg/L	0.030	98	70	130			
Lead		0.0487	mg/L	0.040	96	70	130			
Manganese		4.90	mg/L	0.010		70	130			A
Selenium		0.0487	mg/L	0.0010	97	70	130			
Silver		0.0102	mg/L	0.0090	<u>51</u>	70	130			S
Sample ID: C09010817-010CMSD	<u>10</u>	Sample Matrix Spike Duplicate					Run: ICPMS4-C_090316A			03/16/09 15:15
Arsenic		0.173	mg/L	0.0010	86	70	130	0.5	20	
Barium		0.0710	mg/L	0.050	98	70	130	2.5	20	
Cadmium		0.0454	mg/L	0.010	90	70	130	1.8	20	
Chromium		0.0441	mg/L	0.040	88	70	130	1.3	20	
Copper		0.0447	mg/L	0.010	85	70	130	0.4	20	
Iron		5.27	mg/L	0.030	98	70	130	0	20	
Lead		0.0493	mg/L	0.040	97	70	130	1.1	20	
Manganese		4.95	mg/L	0.010		70	130	1	20	A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: Cordilleran Compliance Services Inc

Project: 008-2343

Report Date: 04/16/09

Work Order: C09030465

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020										Batch: R115928
Sample ID: C09010817-010CMSD 10 Sample Matrix Spike Duplicate										Run: ICPMS4-C_090316A 03/16/09 15:15
Selenium		0.0491	mg/L	0.0010	98	70	130	0.8	20	
Silver		0.00989	mg/L	0.0090	49	70	130	2.8	20	S
Method: SW6020										Batch: R116005
Sample ID: C09030465-001BMS4 4 Sample Matrix Spike										Run: ICPMS4-C_090317A 03/17/09 13:32
Barium		0.116	mg/L	0.10	101	75	125			
Cadmium		0.0509	mg/L	0.010	102	75	125			
Lead		0.0522	mg/L	0.050	103	75	125			
Silver		0.0189	mg/L	0.010	95	75	125			
Sample ID: C09030465-001BMSD 4 Sample Matrix Spike Duplicate										Run: ICPMS4-C_090317A 03/17/09 13:39
Barium		0.116	mg/L	0.10	102	75	125	0.4	20	
Cadmium		0.0508	mg/L	0.010	102	75	125	0.3	20	
Lead		0.0527	mg/L	0.050	104	75	125	1	20	
Silver		0.0189	mg/L	0.010	95	75	125	0	20	

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Cordilleran Compliance Services Inc

Report Date: 04/16/09

Project: 008-2343

Work Order: C09030465

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7										Batch: R116050
Sample ID: LRB	4	Method Blank					Run: ICP3-C_090318A			03/18/09 14:31
Calcium		0.4	mg/L	0.02						
Magnesium		0.4	mg/L							
Potassium		0.2	mg/L	0.005						
Sodium		0.03	mg/L	0.006						
Sample ID: LFB	4	Laboratory Fortified Blank					Run: ICP3-C_090318A			03/18/09 14:35
Calcium		26.0	mg/L	0.50	102	80	120			
Magnesium		26.1	mg/L	0.50	103	80	120			
Potassium		25.0	mg/L	0.50	99	80	120			
Sodium		25.3	mg/L	0.50	101	80	120			
Method: E200.8										Batch: R116005
Sample ID: LRB	4	Method Blank					Run: ICPMS4-C_090317A			03/17/09 12:58
Barium		ND	mg/L	4E-05						
Cadmium		ND	mg/L	4E-05						
Lead		ND	mg/L	2E-05						
Silver		ND	mg/L	4E-05						
Sample ID: LFB	4	Laboratory Fortified Blank					Run: ICPMS4-C_090317A			03/17/09 13:05
Barium		0.0512	mg/L	0.0010	102	85	115			
Cadmium		0.0517	mg/L	0.0010	103	85	115			
Lead		0.0517	mg/L	0.0010	103	85	115			
Silver		0.0203	mg/L	0.0010	101	85	115			
Method: SW6010B										Batch: R116050
Sample ID: MB-21807	4	Method Blank					Run: ICP3-C_090318A			03/18/09 15:21
Calcium		0.6	mg/L	0.02						
Magnesium		0.2	mg/L	0.04						
Potassium		0.4	mg/L	0.005						
Sodium		0.8	mg/L	0.006						
Sample ID: C09030485-003BMS	4	Sample Matrix Spike					Run: ICP3-C_090318A			03/19/09 04:50
Calcium		1630	mg/L	0.50	98	75	125			
Magnesium		2030	mg/L	0.80	105	75	125			
Potassium		1210	mg/L	0.50	92	75	125			
Sodium		4660	mg/L	0.50	115	75	125			
Sample ID: C09030485-003BMSD	4	Sample Matrix Spike Duplicate					Run: ICP3-C_090318A			03/19/09 04:55
Calcium		1670	mg/L	0.50	101	75	125	2.4	20	
Magnesium		2080	mg/L	0.80	109	75	125	2.3	20	
Potassium		1190	mg/L	0.50	90	75	125	1.9	20	
Sodium		4790	mg/L	0.50	125	75	125	2.8	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Cordilleran Compliance Services Inc

Project: 008-2343

Report Date: 04/16/09

Work Order: C09030465

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8021B										Batch: R116153
Sample ID: LCS_0320HP206r	<u>I</u>	Laboratory Control Sample				Run: PIDFID1-C_090320A				03/20/09 14:48
Benzene		10	ug/L	0.50	103	80	120			
Ethylbenzene		10	ug/L	0.50	103	80	120			
m+p-Xylenes		21	ug/L	0.50	103	80	120			
Methyl tert-butyl ether (MTBE)		19	ug/L	2.0	96	80	120			
o-Xylene		10	ug/L	0.50	102	80	120			
Toluene		10	ug/L	0.50	103	80	120			
Surr: Trifluorotoluene				0.50	102	80	120			
Sample ID: MBLK_0320HP208r										03/20/09 15:58
	<u>I</u>	Method Blank				Run: PIDFID1-C_090320A				
Benzene		ND	ug/L	0.50						
Ethylbenzene		ND	ug/L	0.50						
m+p-Xylenes		ND	ug/L	0.50						
Methyl tert-butyl ether (MTBE)		ND	ug/L	2.0						
o-Xylene		ND	ug/L	0.50						
Toluene		ND	ug/L	0.50						
Surr: Trifluorotoluene				0.50	102	80	120			
Sample ID: C09030608-001FMS										03/20/09 20:38
	<u>I</u>	Sample Matrix Spike				Run: PIDFID1-C_090320A				
Benzene		210	ug/L	10	104	80	120			
Ethylbenzene		210	ug/L	10	103	80	120			
m+p-Xylenes		410	ug/L	10	103	80	120			
Methyl tert-butyl ether (MTBE)		400	ug/L	40	99	80	120			
o-Xylene		210	ug/L	10	103	80	120			
Toluene		210	ug/L	10	104	80	120			
Surr: Trifluorotoluene				10	101	80	120			
Sample ID: C09030608-001FMSD										03/20/09 21:13
	<u>I</u>	Sample Matrix Spike Duplicate				Run: PIDFID1-C_090320A				
Benzene		210	ug/L	10	105	80	120	1.5	20	
Ethylbenzene		210	ug/L	10	104	80	120	1.1	20	
m+p-Xylenes		420	ug/L	10	105	80	120	1.2	20	
Methyl tert-butyl ether (MTBE)		390	ug/L	40	99	80	120	0.5	20	
o-Xylene		210	ug/L	10	104	80	120	1.3	20	
Toluene		210	ug/L	10	105	80	120	1.1	20	
Surr: Trifluorotoluene				10	101	80	120	0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



Chain of Custody and Analytical Request Record

PLEASE PRINT- Provide as much information as possible.

Company Name: Olsson Associates		Project Name, PWS, Permit, Etc. 008-2343		Sample Origin State: CO		EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/>	
Report Mail Address: 826 2112 Rd Grand Junction, CO 81505		Contact Name: Tim Odebrnsky		Email: thobrnsky@acorensulting.com		Sampler: (Please Print) Student 11-11	
Invoice Address: Same		Invoice Contact & Phone: Same		Purchase Order:		Quote/Bottle Order:	
<div>Special Report/Formats - ELI must be notified prior to sample submittal for the following: <div><input type="checkbox"/> DW <input type="checkbox"/> A2LA <input type="checkbox"/> GSA <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> POTW/WWTP Format: <input type="checkbox"/> LEVEL IV <input type="checkbox"/> NELAC <input type="checkbox"/> State: <input type="checkbox"/> Other:</div></div>		<div>ANALYSIS REQUESTED <div>Quote 1830</div></div>		<div>SEE ATTACHED RUSH</div>		<div>Contact ELI prior to RUSH sample submittal for charges and scheduling - See Instruction Page Comments: Exclude BART sample from quote VOA's are not preserved Dis. Mobile Field F. Hatched</div>	
<div>Shipped by: FedEx Student Cooler ID(s): Client Receipt Temp: 1.62 °C On Ice: Yes No Custody Seal: Intact Signature Match</div>		<div>Shipped by: FedEx Student Cooler ID(s): Client Receipt Temp: 1.62 °C On Ice: Yes No Custody Seal: Intact Signature Match</div>		<div>Shipped by: FedEx Student Cooler ID(s): Client Receipt Temp: 1.62 °C On Ice: Yes No Custody Seal: Intact Signature Match</div>		<div>Shipped by: FedEx Student Cooler ID(s): Client Receipt Temp: 1.62 °C On Ice: Yes No Custody Seal: Intact Signature Match</div>	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Collection Date	Collection Time	MATRIX			
1 HAWK 1		3/13/09	1215	GW			
2 HAWK 2		3/13/09	1310	GW			
3							
4							
5							
6							
7							
8							
9							
10							
Relinquished by (print): Stuart H. 11		Date/Time: 3/13/09 1600	Signature: [Signature]		Received by (print): [Signature]		Date/Time: 3/14/09 9:30
Relinquished by (print):		Date/Time:	Signature:		Received by (print):		Date/Time:
Sample Disposal:		Return to Client:	Lab Disposal:		Received by Laboratory:		Date/Time:

Custody Record MUST be Signed

Energy Laboratories Inc

Workorder Receipt Checklist



Cordilleran Compliance Services Inc

C09030465

Login completed by: Kristina Ward

Date and Time Received: 3/14/2009 9:30 AM

Reviewed by:

Received by: dcq

Reviewed Date:

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature:	1.6°C On Ice		
Water - VOA vials have zero headspace?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>

Contact and Corrective Action Comments:

None



CLIENT: Cordilleran Compliance Services Inc
Project: 008-2343
Sample Delivery Group: C09030465

Date: 16-Apr-09

CASE NARRATIVE

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS

The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS USING EPA 505

Data for Atrazine and Simazine are reported from EPA 525.2, not from EPA 505. Data reported by ELI using EPA method 505 reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002, Radiochemical WY00937; FL-DOH NELAC: E87641, Radiochemical E871017; California: 02118CA; Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

JOHN C. KEPHART & CO.
GRAND JUNCTION LABORATORIES

435 NORTH AVENUE ♦ PHONE: (970) 242-7618 ♦ FAX: (970) 243-7235 ♦ GRAND JUNCTION, COLORADO 81501

— ANALYTICAL REPORT —

Received from:

Cordilleran Compliance
Tim Dobransky
826 - 21-1/2 Road
Grand Jct., CO 81505
(970)263-7800, FAX 263-7456
8141

water

Customer No. _____ Laboratory No. _____ Sample _____

Date Received 3/13/09 Date Reported 3/24/09

Lab number:

8141

Sample ID:

HAWK 1 3/13/09 12:15

Iron Related Bacteria

present, approximately 500 CFU/ml

Sulfate Reducing Bacteria

present, approximately 200 CFU/ml,
dense anaerobic
Sulfate Reducing Bacteria consortium

Slime Forming Bacteria

present, approximately 12,500 CFU/ml

Director: B. Bauer

JOHN C. KEPHART & CO.
GRAND JUNCTION LABORATORIES

435 NORTH AVENUE ♦ PHONE: (970) 242-7618 ♦ FAX: (970) 243-7235 ♦ GRAND JUNCTION, COLORADO 81501

— ANALYTICAL REPORT —

Received from:

Cordilleran Compliance
Tim Dobransky
826 - 21-1/2 Road
Grand Jct., CO 81505
(970)263-7800, FAX 263-7456
8142

water

Customer No. _____ Laboratory No. _____ Sample _____

Date Received 3/13/09 Date Reported 3/24/09

Lab number:

8142

Sample ID:

HAWK 2 3/13/09 13:10

Iron Related Bacteria

present, approximately 500 CFU/ml

Sulfate Reducing Bacteria

present, approximately 18,000 CFU/ml,
combination of aerobic and anaerobic
Sulfate Reducing Bacteria

Slime Forming Bacteria

present, approximately 66,500 CFU/ml

Director: B. Bauer

Hawkins Ranch 10-9 (HR 10-9) site
photos taken August 31, 2010.
Note that no evidence of impacts to
vegetation.
(Remediation No. 4453)



Access road to HR 10-9 pad. Direction of view is N/NW.



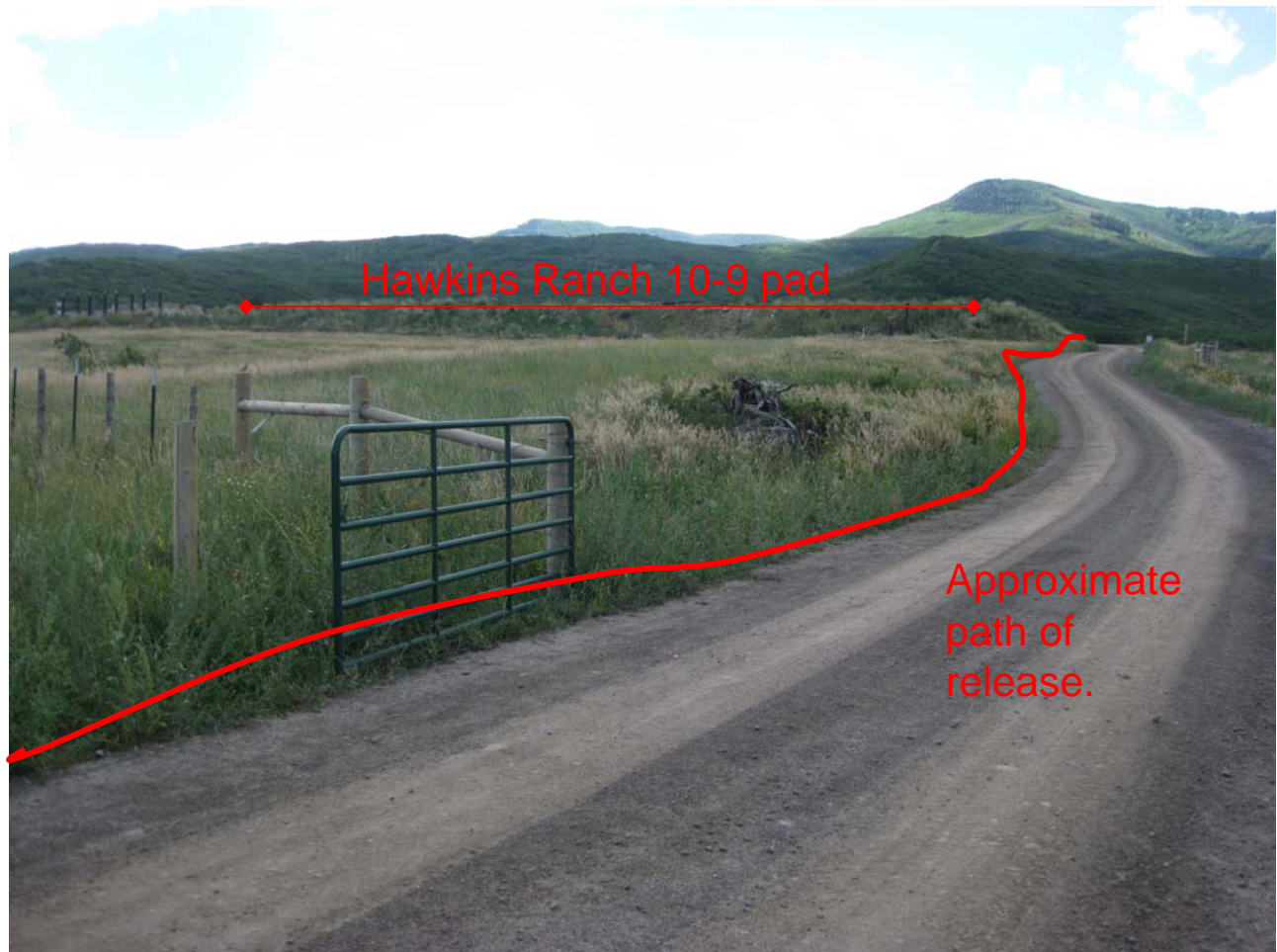
Approximate location of where release leaves the HR 10-9 pad. Direction of view is SE.



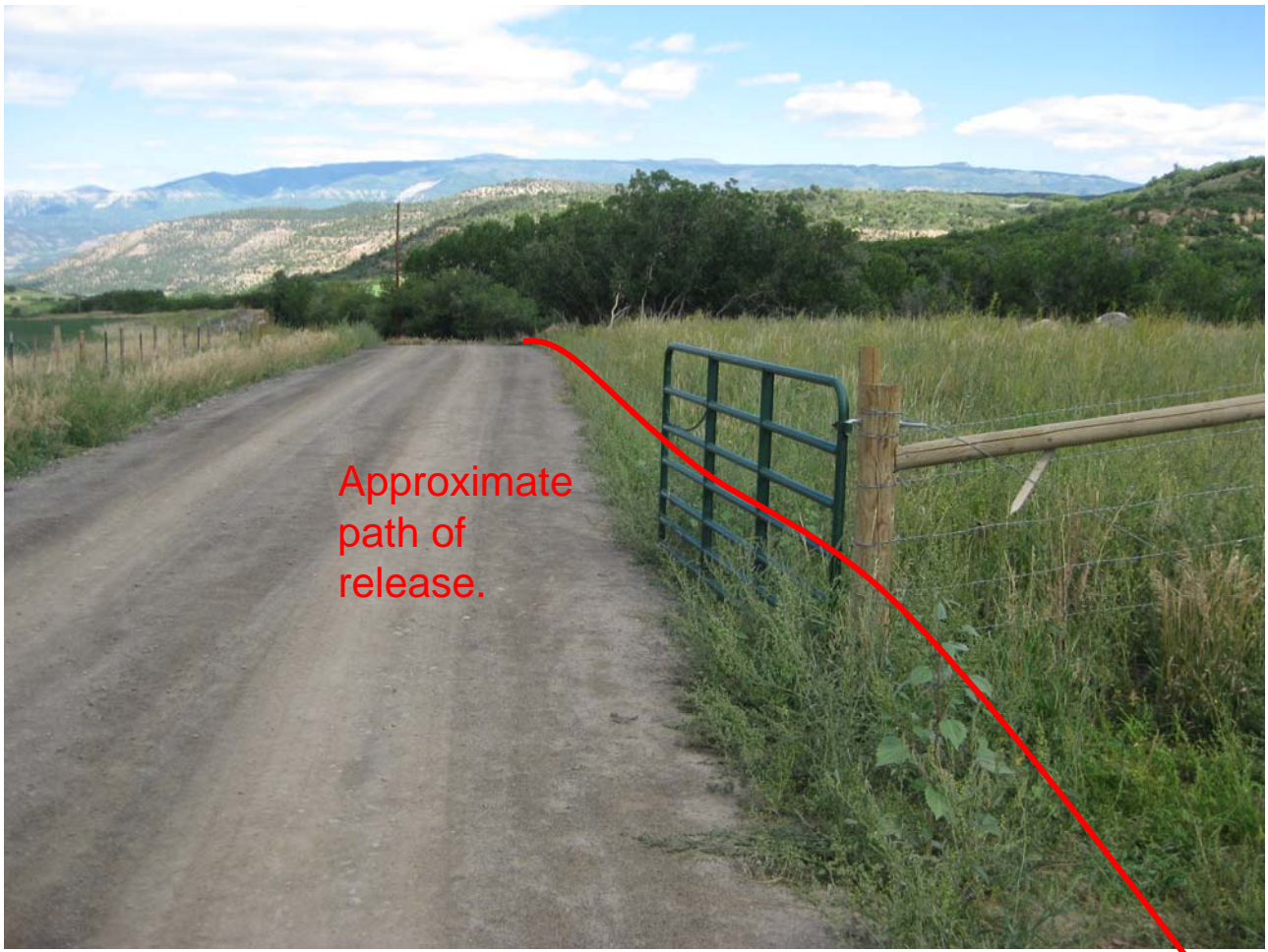
Bar ditch of access road to HR 10-9 pad.
Direction of view is NW.



Edge of access road leading to HR 10-9 pad. Direction of view is SE.



Edge of access road to HR 10-9 pad.
Direction of view is NW.

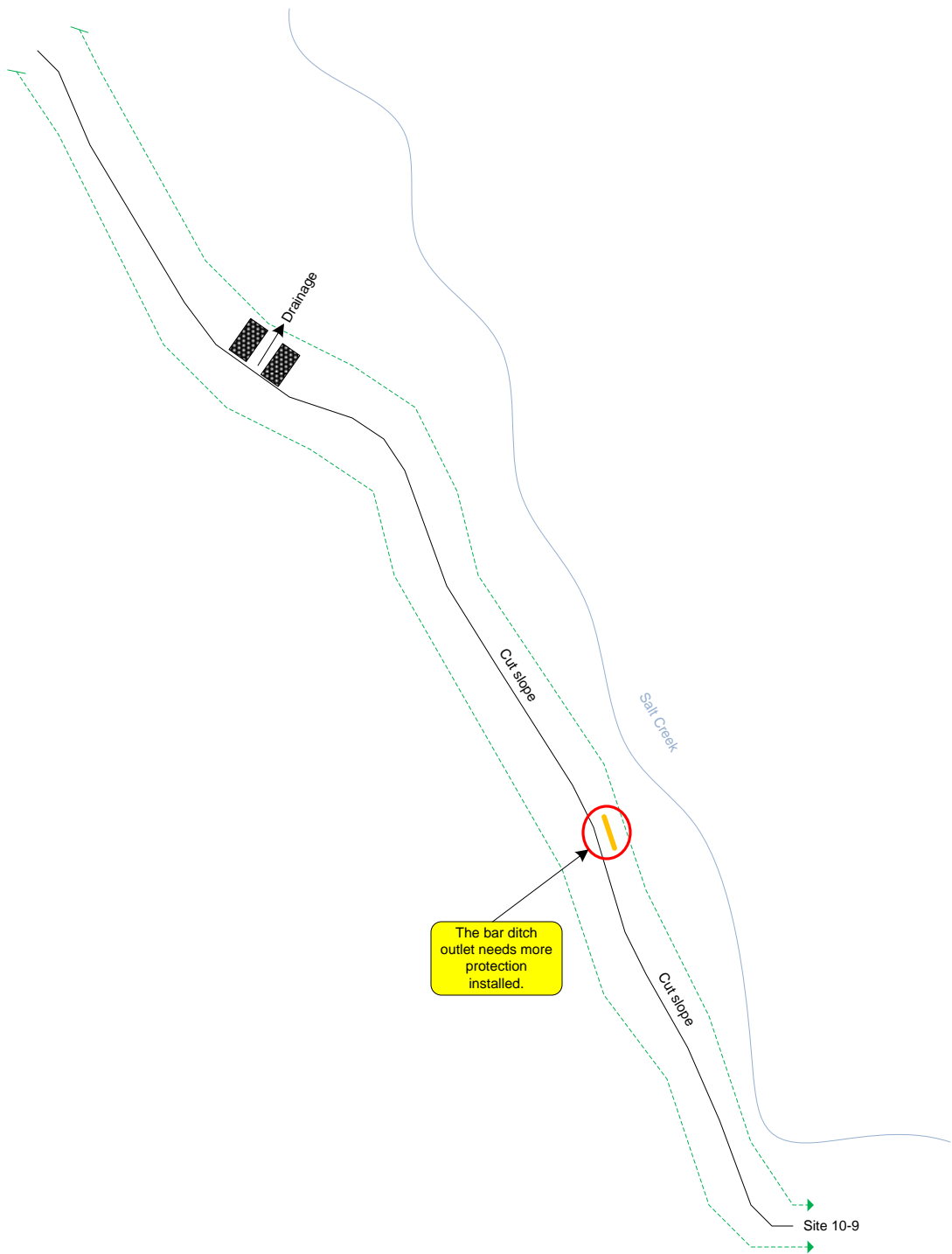


Bar ditch for access road to HR 10-9 pad.
Direction of view is N.



Bar ditch for access road to HR 10-9 pad.
Direction of view is N.





The access road construction site boundaries will include all ground surface disturbances and approximately 10 feet beyond perimeter erosion controls except where restricted. It is subject to change at any time for expansion, maintenance and additions of BMP structures.

LEGEND

- Wattle
- Riprap
- Site boundary

SITE MAP
HAWKINS RANCH 10-9 ACCESS
PLAINS EXPLORATION & PRODUCTION COMPANY
MESA COUNTY, COLORADO

14 DAY INSPECTION

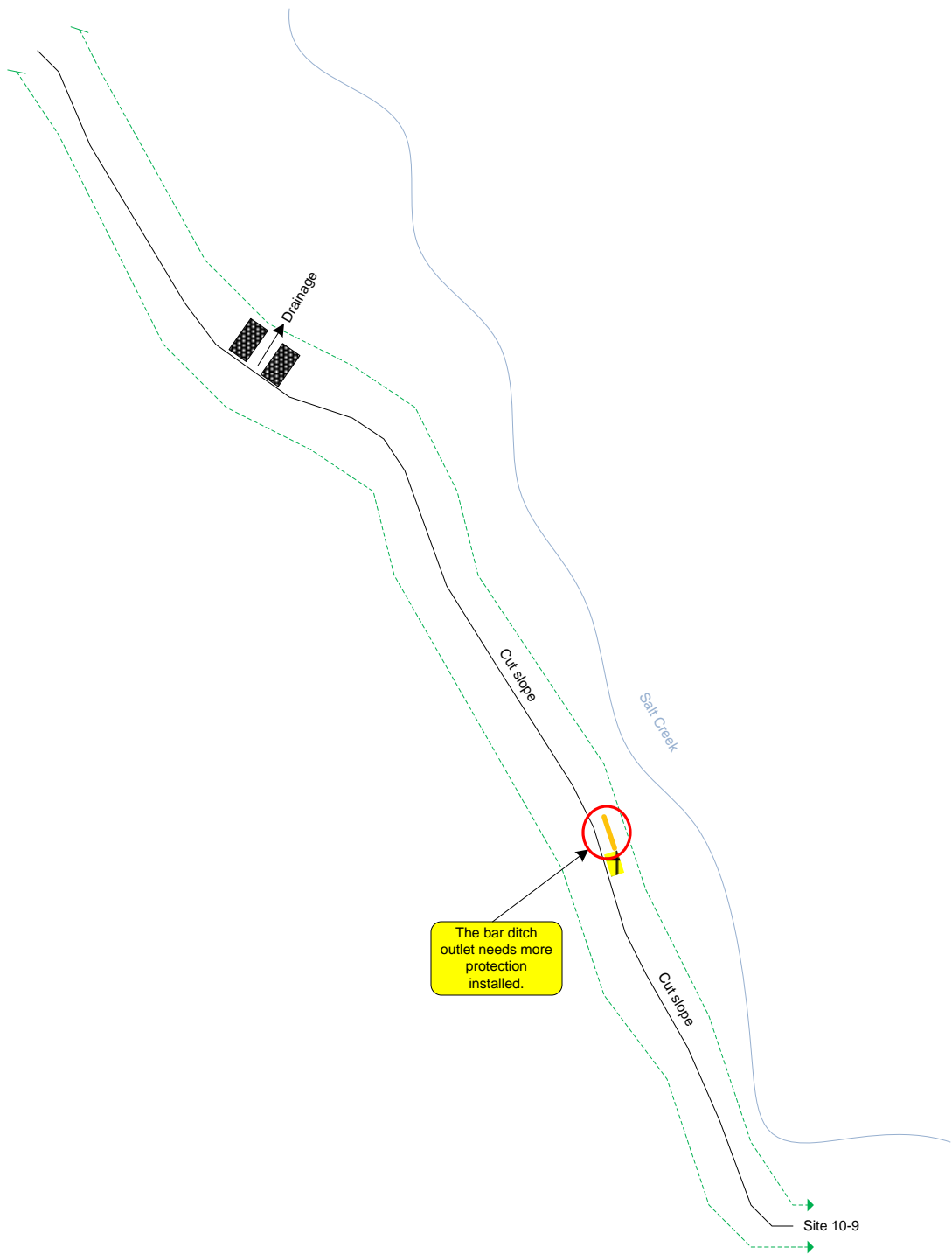
11.13.08

NOT TO SCALE

INSPECTION DONE BY:
AARON STACY/INSPECTOR



Site location: Sections -, Township -, Range -



The access road construction site boundaries will include all ground surface disturbances and approximately 10 feet beyond perimeter erosion controls except where restricted. It is subject to change at any time for expansion, maintenance and additions of BMP structures.

LEGEND

- Wattle
- Riprap
- Matting
- Site boundary

SITE MAP
HAWKINS RANCH 10-9 ACCESS
PLAINS EXPLORATION & PRODUCTION COMPANY
MESA COUNTY, COLORADO

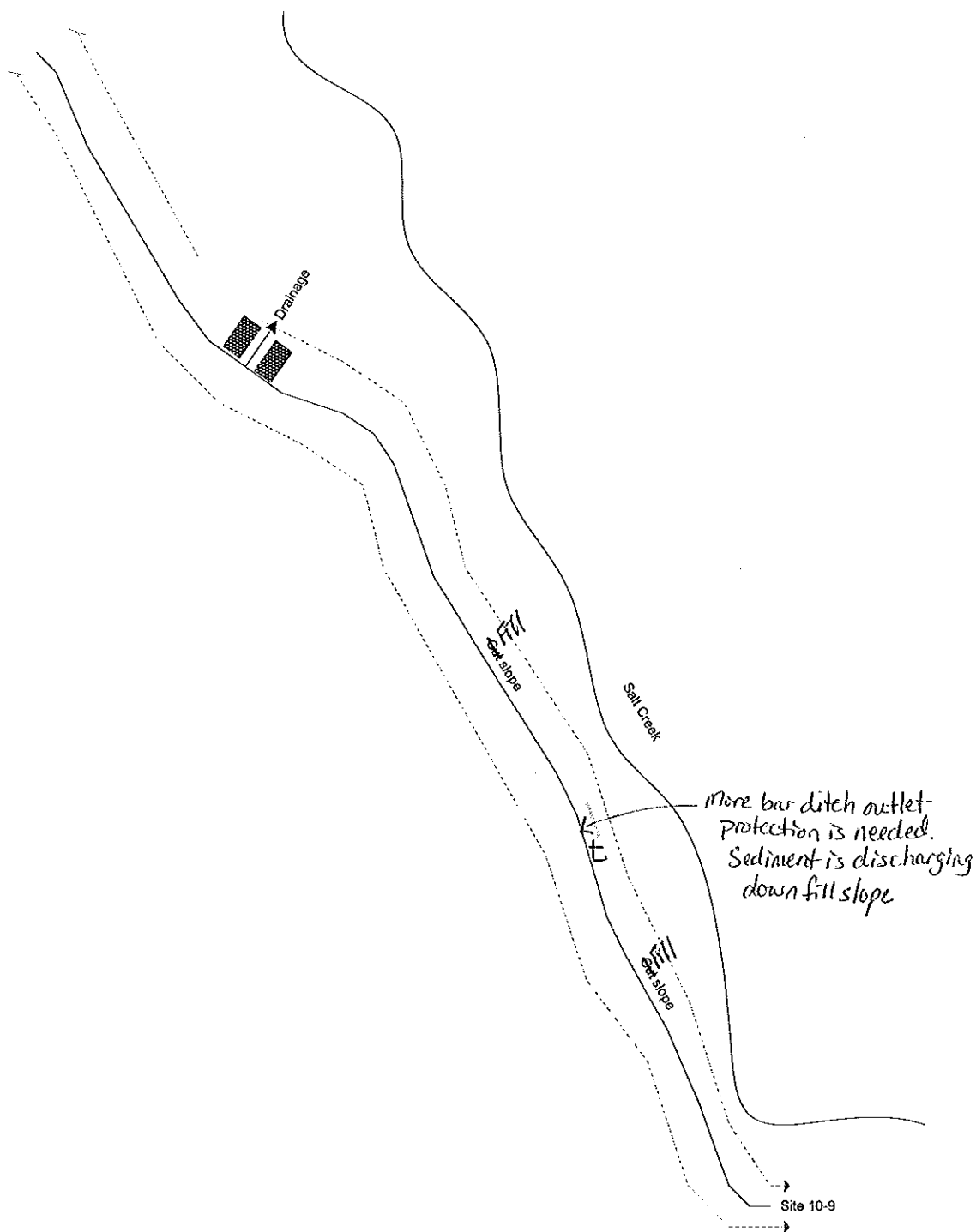
14 DAY INSPECTION

11.26.08

NOT TO SCALE

INSPECTION DONE BY:
AARON STACY/INSPECTOR





The access road construction site boundaries will include all ground surface disturbances and approximately 10 feet beyond perimeter erosion controls except where restricted. It is subject to change at any time for expansion, maintenance and additions of BMP structures.

LEGEND

- Wattle
- ▨ Riprap
- +++ Matting
- ←---→ Site boundary

SITE MAP
HAWKINS 10-9 ACCESS
OXY USA, INC.
MESA COUNTY, COLORADO
Section 10, Township 10S, Range 94W

14 DAY INSPECTION

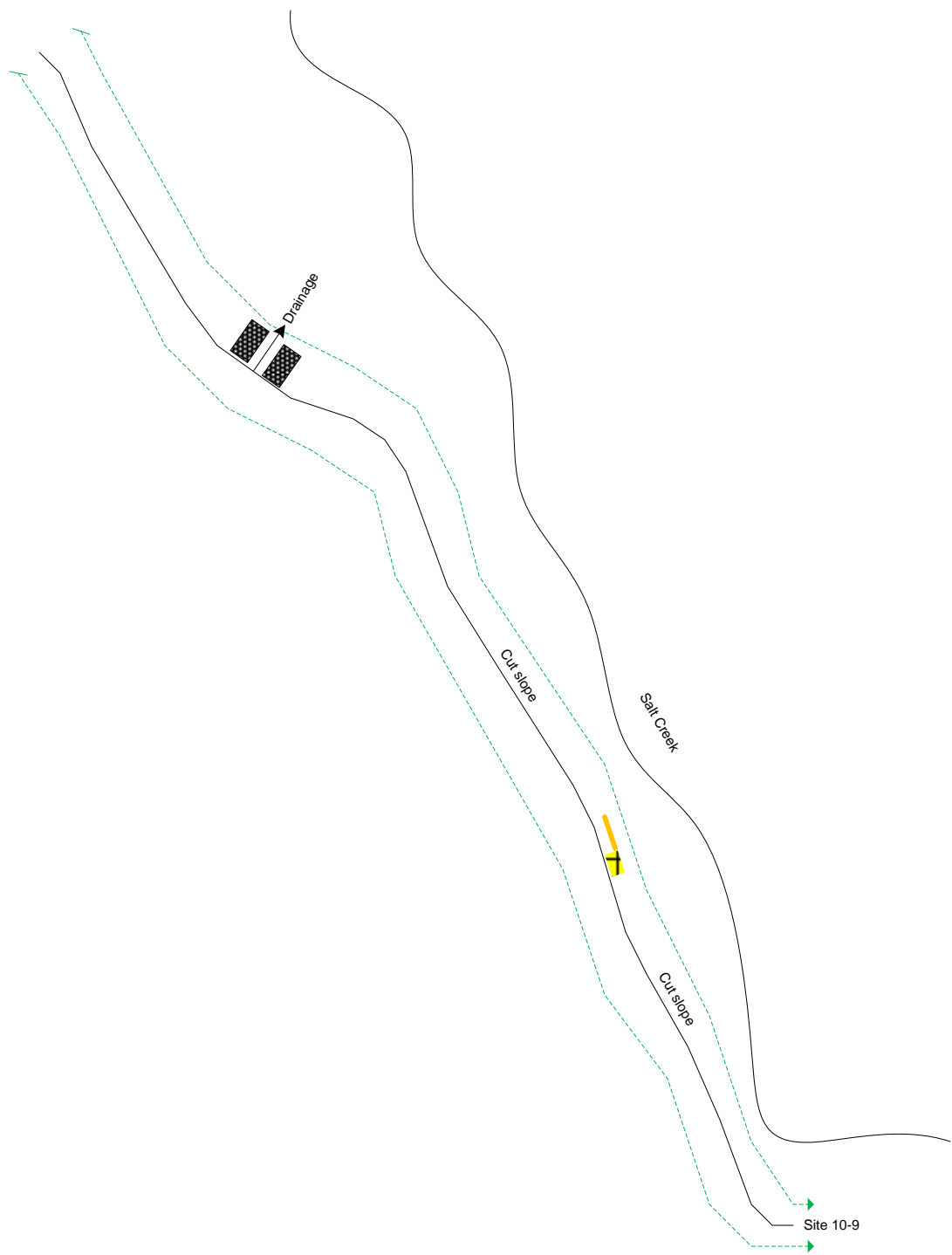
04-14-09

NOT TO SCALE

INSPECTOR: Aaron Stacy, Associate Scientist
☐ To the best of my knowledge, this site was in compliance at the time and date of this inspection.
SIGNATURE:







☒ The site was not in compliance with the CDPHE permit.



The access road construction site boundaries will include all ground surface disturbances and approximately 10 feet beyond perimeter erosion controls except where restricted. It is subject to change at any time for expansion, maintenance and additions of BMP structures.

LEGEND

-  Wattle
-  Riprap
-  Matting
-  Site boundary

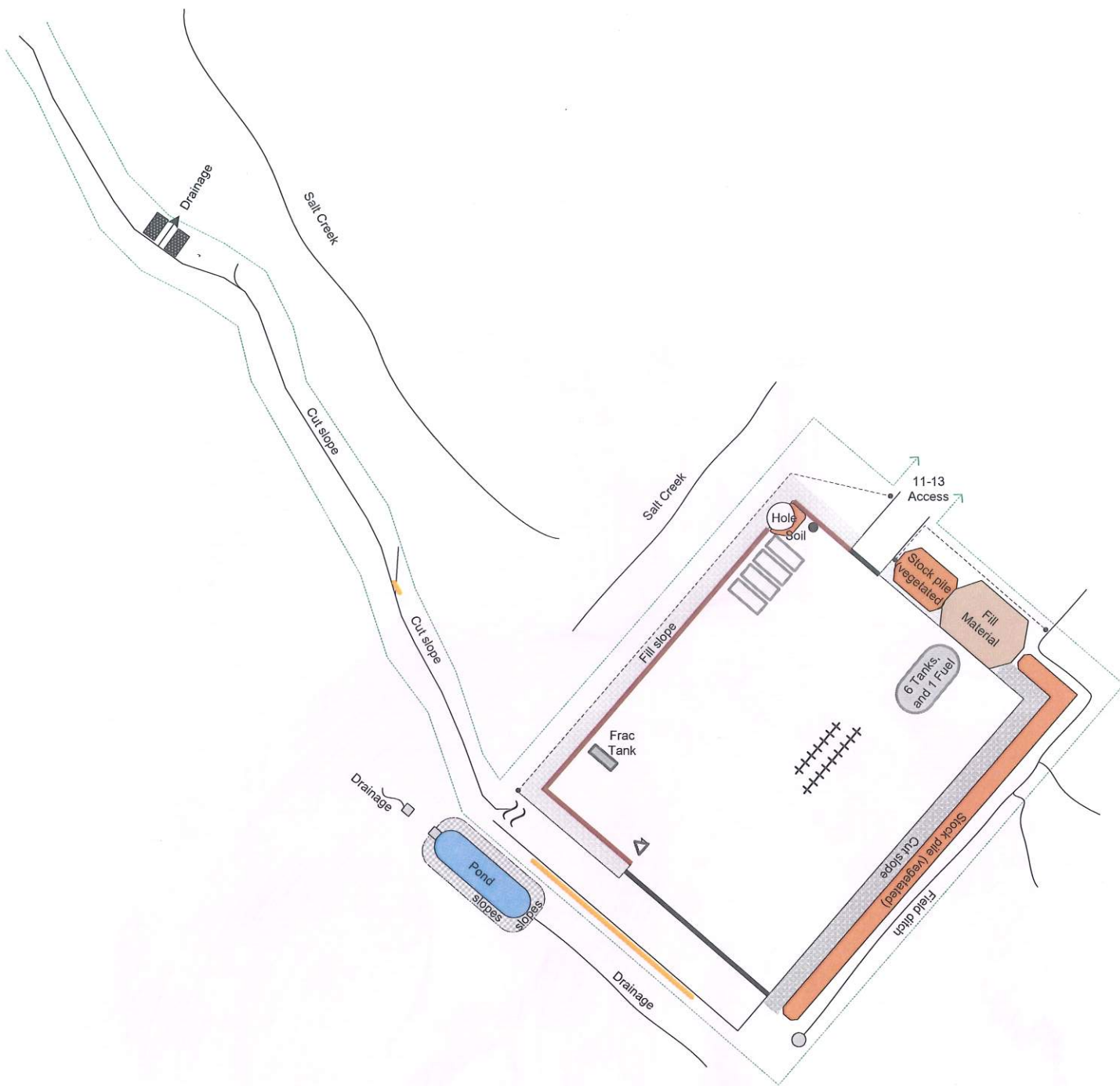
SITE MAP
HAWKINS 10-9 ACCESS
OXY USA, INC.
MESA COUNTY, COLORADO
Section 10, Township 10S, Range 94W

14 DAY INSPECTION	04-14-09	NOT TO SCALE
-------------------	----------	--------------

INSPECTOR: Aaron Stacy, Associate Scientist
☐ To the best of my knowledge, this site was in compliance at the time and date of this inspection.
SIGNATURE:



☐ The site was not in compliance with the CDPHE permit.



The construction site boundary will include all ground surface disturbances and approximately 10 feet beyond perimeter erosion controls except where restricted. It is subject to change at any time for expansion, maintenance, or addition of BMP structures.

LEGEND

- | | | |
|---------------|---------------------------|---------------|
| Wattle | Silt fence | Sediment trap |
| Riprap | Water bar | Latrine |
| Matting | Tank w/ steel containment | Wellhead |
| Site boundary | Separator | Flare |
| | Earthen berm | |
| | Culvert | |



OLSSON ASSOCIATES

SITE MAP
 HAWKINS 10-9
 OXY USA, INC.
 MESA COUNTY, COLORADO
 Section 10, Township 10S, Range 94W

14 DAY INSPECTION	7-13-16	NOT TO SCALE
-------------------	----------------	--------------

INSPECTOR:
☒ To the best of my knowledge, this site was in compliance at the time and date of this inspection.
 SIGNATURE *DeBail*
☐ The site was not in compliance with the CDPHE permit.

All Sampling Results by Date

Sample Date	Sample ID	Matrix	Benzene	Toluene	Ethyl- benzene	Xylenes	GRO (Gas TVH)	TDS	EC	pH	Temp
	MCL	Water	0.005	1.00	0.700	10.0	NA	NA	<4 mmhos/cm	6-9	NA
01/21/2009	Creek Crossing	Water	0.011	BDL	0.0016	BDL	BDL	520			
02/11/2009	2 Upstream West Creek	Water	BDL	BDL	BDL	BDL	BDL	NA			
02/11/2009	3 Upstream East Creek	Water	BDL	BDL	BDL	BDL	BDL	NA			
02/11/2009	Creek Crossing	Water	BDL	BDL	BDL	BDL	BDL	530			
02/12/2009	2 Upstream West Creek	Water	BDL	BDL	BDL	BDL	BDL	350			
02/12/2009	3 Upstream East Creek	Water	BDL	BDL	BDL	BDL	BDL	600			
02/19/2009	Creek Crossing	Water	BDL	BDL	BDL	BDL	BDL	520			
02/19/2009	2 Upstream West Creek	Water	BDL	BDL	BDL	BDL	BDL	340			
02/19/2009	3 Upstream East Creek	Water	BDL	BDL	BDL	BDL	BDL	590			
03/04/2009	Creek Crossing	Water	BDL	BDL	BDL	0.0022	BDL	500			
03/10/2009	Creek Crossing	Water	BDL	BDL	BDL	BDL	BDL	NA			
03/10/2009	2 Upstream West Creek	Water	BDL	BDL	BDL	BDL	BDL	NA			
03/10/2009	3 Upstream East Creek	Water	BDL	BDL	BDL	BDL	BDL	NA			
03/10/2009	4 Upstream 10-9	Water	BDL	BDL	BDL	BDL	BDL	NA			
03/27/2009	Creek Crossing	Water	BDL	BDL	BDL	BDL	BDL	520			
03/27/2009	2 Upstream West Creek	Water	BDL	BDL	BDL	BDL	BDL	360			
03/27/2009	3 Upstream East Creek	Water	BDL	BDL	BDL	BDL	BDL	NA			
03/27/2009	4 Upstream 10-9	Water	BDL	BDL	BDL	BDL	BDL	350			
04/23/2009	Creek Crossing	Water	BDL	BDL	BDL	BDL	BDL	289	0.550	8.6	53.8
04/23/2009	2 Upstream West Creek	Water	BDL	BDL	BDL	BDL	BDL	278	0.545	8.58	53.6
04/23/2009	3 Upstream East Creek	Water	BDL	BDL	BDL	BDL	BDL	343	0.649	8.6	53.8
04/23/2009	4 Upstream 10-9	Water	BDL	BDL	BDL	BDL	BDL	285	0.554	8.5	58.8
06/04/2009	4 Upstream 10-9	Water	BDL	BDL	BDL	BDL	BDL	142	0.280	8.6	56.3
06/04/2009	2 Upstream W Creek	Water	BDL	BDL	BDL	BDL	BDL	142	0.280	8.58	55.2
06/04/2009	3 Upstream E Creek	Water	BDL	BDL	BDL	BDL	BDL	91	0.183	8.3	53.5
06/04/2009	Creek Crossing	Water	BDL	BDL	BDL	BDL	BDL	105	0.206	8.42	54.1
07/24/2009	Creek Crossing 0 - 6"	Water	BDL	BDL	BDL	BDL	BDL	136	0.272	8.39	60.5
07/24/2009	2 Upstream 0 - 6"	Water	BDL	BDL	BDL	BDL	BDL	250	0.50	8.44	57.1
07/24/2009	3 Upstream E Creek 0 - 6"	Water	BDL	BDL	BDL	BDL	BDL	122	0.242	8.32	59.2
07/24/2009	4 Upstream 10-9 0 - 6"	Water	BDL	BDL	BDL	BDL	BDL	90	0.169	8.4	57.9
08/25/2009	Upstream 10-9	BDL	BDL	BDL	BDL	BDL	BDL	373	0.749	8.38	56.3
08/25/2009	Upstream West Creek	BDL	BDL	BDL	BDL	BDL	BDL	203	0.408	8.31	53.2
08/25/2009	Upstream East Creek	BDL	BDL	BDL	BDL	BDL	BDL	123	0.251	8.33	57.0
08/25/2009	Creek Crossing	BDL	BDL	BDL	BDL	BDL	BDL	145	0.290	8.4	56.6
09/29/2009	Upstream West Creek	BDL	0.00063	BDL	BDL	BDL	BDL	312	0.625	8.3	48.4
09/29/2009	Creek Crossing	BDL	0.00028	BDL	BDL	BDL	BDL	404	0.808	8.49	50.5
10/01/2009	2 Upstream 0 - 6"	Water	BDL	0.00063	BDL	BDL	BDL	NA			
10/01/2009	Creek Crossing 0 - 6"	Water	BDL	0.00028	BDL	BDL	BDL	NA			

MCL = Maximum Contaminant Level (per COGCC and CDPHE)



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

Grand Junction, CO 81506

Report Summary

Wednesday January 28, 2009

Report Number: L384720

Samples Received: 01/22/09

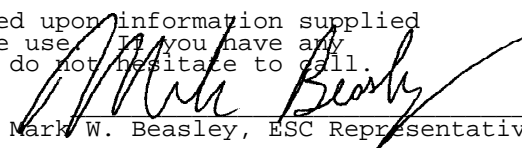
Client Project:

Description: Hawkins 10-9

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, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

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REPORT OF ANALYSIS

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

January 28, 2009

Date Received : January 22, 2009
Description : Hawkins 10-9

Sample ID : CREEK CROSSING

Collected By : Brett Kennedy
Collection Date : 01/21/09 14:25

ESC Sample # : L384720-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dissolved Solids	520	10.	mg/l	2540C	01/28/09	1
Benzene	0.011	0.00050	mg/l	8021/8015	01/28/09	1
Toluene	BDL	0.0050	mg/l	8021/8015	01/28/09	1
Ethylbenzene	0.0016	0.00050	mg/l	8021/8015	01/28/09	1
Total Xylene	BDL	0.0015	mg/l	8021/8015	01/28/09	1
TPH (GC/FID) Low Fraction	BDL	0.10	mg/l	GRO	01/28/09	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	95.7		% Rec.	8021/8015	01/28/09	1
a,a,a-Trifluorotoluene(PID)	103.		% Rec.	8021/8015	01/28/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Reported: 01/28/09 17:03 Printed: 01/28/09 17:04

Summary of Remarks For Samples Printed
01/28/09 at 17:04:01

TSR Signing Reports: 134
R5 - Desired TAT

expect MSA

Sample: L384720-01 Account: OXYGJCO Received: 01/22/09 10:30 Due Date: 01/29/09 00:00 RPT Date: 01/28/09 17:03

Company Name/Address: OXY USA - Grand Junction, CO 2754 Compass Dr.. Ste. 170 Grand Junction.CO 81506				Alternate billing information:				Analysis/Container/Preservative				Chain of Custody Page <u>1</u> of <u>1</u> Prepared by: C071  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>Hawkins 10-9</u>				City/State Collected: <u> </u>									
Phone: <u>(970) 263-3601</u>		Client Project #:		ESC Key:									
FAX:													
Collected by: <u>Brett Kennedy</u>		Site/Facility ID#:		P.O.#:									
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:		No. of Cntrs		<u>BTEX/6RO</u> <u>TDS</u>					
Immediately Packed on Ice N <u> </u> Y <u> </u>				Email? <u> </u> No <u> </u> Yes									
FAX? <u> </u> No <u> </u> Yes													
Sample ID		Comp/Grab	Matrix*	Depth	Date	Time							
<u>Creek Crossing</u>		<u>grab</u>	<u>SW</u>	<u>—</u>	<u>01/11/09</u>	<u>1435</u>	<u>3</u>	<u>✓</u>	<u>✓</u>				

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

Remarks: 463262520340 Flow Other

Relinquished by: (Signature) <u>Brett Kennedy</u>		Date: <u>01/11/09</u>	Time: <u>1630</u>	Received by: (Signature) <u>[Signature]</u>		Samples returned via: <input checked="" type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier <input type="checkbox"/> <u> </u>		Condition <u> </u> (lab use only)	
Relinquished by: (Signature) <u>[Signature]</u>		Date: <u> </u>	Time: <u> </u>	Received by: (Signature) <u>[Signature]</u>		Temp: <u>4.0</u>		Bottles Received: <u>3</u>	
Relinquished by: (Signature) <u>[Signature]</u>		Date: <u> </u>	Time: <u> </u>	Received for lab by: (Signature) <u>[Signature]</u>		Date: <u>1/22/09</u>		Time: <u>10:30</u>	
						pH Checked: <u> </u>		NCF: <u> </u>	



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

Grand Junction, CO 81506

Report Summary

Friday February 13, 2009

Report Number: L387941

Samples Received: 02/13/09

Client Project:

Description: Hawkins 10-9

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
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6 Samples Reported: Printed: 02/13/09 14:27
Page 1 of 10



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REPORT OF ANALYSIS

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

February 13, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : CREEK CROSSING

Collected By : Brett Kennedy
Collection Date : 02/11/09 18:20

ESC Sample # : L387941-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	02/13/09	1
Acrolein	BDL	0.050	mg/l	8260B	02/13/09	1
Acrylonitrile	BDL	0.010	mg/l	8260B	02/13/09	1
Benzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromoform	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromomethane	BDL	0.0050	mg/l	8260B	02/13/09	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	02/13/09	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Chloroethane	BDL	0.0050	mg/l	8260B	02/13/09	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	02/13/09	1
Chloroform	BDL	0.0050	mg/l	8260B	02/13/09	1
Chloromethane	BDL	0.0025	mg/l	8260B	02/13/09	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	02/13/09	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Dibromomethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	02/13/09	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	02/13/09	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	02/13/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

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

February 13, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : CREEK CROSSING

Collected By : Brett Kennedy
Collection Date : 02/11/09 18:20

ESC Sample # : L387941-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	02/13/09	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	02/13/09	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	02/13/09	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	02/13/09	1
Naphthalene	BDL	0.0050	mg/l	8260B	02/13/09	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Styrene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	02/13/09	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
Toluene	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Trichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	02/13/09	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	02/13/09	1
Surrogate Recovery						
Toluene-d8	99.9		% Rec.	8260B	02/13/09	1
Dibromofluoromethane	106.		% Rec.	8260B	02/13/09	1
4-Bromofluorobenzene	94.7		% Rec.	8260B	02/13/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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REPORT OF ANALYSIS

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

February 13, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : ADJACENT 10-4

Collected By : Brett Kennedy
Collection Date : 02/11/09 17:32

ESC Sample # : L387941-02

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	02/13/09	1
Acrolein	BDL	0.050	mg/l	8260B	02/13/09	1
Acrylonitrile	BDL	0.010	mg/l	8260B	02/13/09	1
Benzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromoform	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromomethane	BDL	0.0050	mg/l	8260B	02/13/09	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	02/13/09	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Chloroethane	BDL	0.0050	mg/l	8260B	02/13/09	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	02/13/09	1
Chloroform	BDL	0.0050	mg/l	8260B	02/13/09	1
Chloromethane	BDL	0.0025	mg/l	8260B	02/13/09	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	02/13/09	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Dibromomethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	02/13/09	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	02/13/09	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	02/13/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)



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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

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

February 13, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : ADJACENT 10-4

Collected By : Brett Kennedy
Collection Date : 02/11/09 17:32

ESC Sample # : L387941-02

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	02/13/09	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	02/13/09	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	02/13/09	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	02/13/09	1
Naphthalene	BDL	0.0050	mg/l	8260B	02/13/09	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Styrene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	02/13/09	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
Toluene	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Trichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	02/13/09	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	02/13/09	1
Surrogate Recovery						
Toluene-d8	97.4		% Rec.	8260B	02/13/09	1
Dibromofluoromethane	105.		% Rec.	8260B	02/13/09	1
4-Bromofluorobenzene	93.0		% Rec.	8260B	02/13/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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REPORT OF ANALYSIS

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

February 13, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4
Sample ID : FENCE CROSSING-DOWNSTREAM
Collected By : Brett Kennedy
Collection Date : 02/11/09 17:50

ESC Sample # : L387941-03

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	02/13/09	1
Acrolein	BDL	0.050	mg/l	8260B	02/13/09	1
Acrylonitrile	BDL	0.010	mg/l	8260B	02/13/09	1
Benzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromoform	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromomethane	BDL	0.0050	mg/l	8260B	02/13/09	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	02/13/09	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Chloroethane	BDL	0.0050	mg/l	8260B	02/13/09	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	02/13/09	1
Chloroform	BDL	0.0050	mg/l	8260B	02/13/09	1
Chloromethane	BDL	0.0025	mg/l	8260B	02/13/09	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	02/13/09	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Dibromomethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	02/13/09	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	02/13/09	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	02/13/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

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

February 13, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4
Sample ID : FENCE CROSSING-DOWNSTREAM
Collected By : Brett Kennedy
Collection Date : 02/11/09 17:50

ESC Sample # : L387941-03

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	02/13/09	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	02/13/09	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	02/13/09	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	02/13/09	1
Naphthalene	BDL	0.0050	mg/l	8260B	02/13/09	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Styrene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	02/13/09	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
Toluene	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Trichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	02/13/09	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	02/13/09	1
Surrogate Recovery						
Toluene-d8	99.3		% Rec.	8260B	02/13/09	1
Dibromofluoromethane	104.		% Rec.	8260B	02/13/09	1
4-Bromofluorobenzene	92.3		% Rec.	8260B	02/13/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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REPORT OF ANALYSIS

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

February 13, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : CREEK CROSSING

Collected By : Brett Kennedy
Collection Date : 02/11/09 18:20

ESC Sample # : L387941-04

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Alkalinity	330	10.	mg/l	2320B	02/13/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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REPORT OF ANALYSIS

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

February 13, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4
Sample ID : ADJUACENT 10-4
Collected By : Brett Kennedy
Collection Date : 02/11/09 17:32

ESC Sample # : L387941-05

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Alkalinity	340	10.	mg/l	2320B	02/13/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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REPORT OF ANALYSIS

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

February 13, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4
Sample ID : FENCE CROSSING-DOWNSTREAM
Collected By : Brett Kennedy
Collection Date : 02/11/09 17:50

ESC Sample # : L387941-06

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Alkalinity	300	10.	mg/l	2320B	02/13/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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Reported: Printed: 02/13/09 14:27

Summary of Remarks For Samples Printed
02/13/09 at 14:27:25

TSR Signing Reports: 134
R1 - Rush: Sameday

expect MSA

Sample: L387941-01 Account: OXYGJCO Received: 02/13/09 09:00 Due Date: 02/13/09 00:00 RPT Date:

Sample: L387941-02 Account: OXYGJCO Received: 02/13/09 09:00 Due Date: 02/13/09 00:00 RPT Date:

Sample: L387941-03 Account: OXYGJCO Received: 02/13/09 09:00 Due Date: 02/13/09 00:00 RPT Date:

Sample: L387941-04 Account: OXYGJCO Received: 02/13/09 09:00 Due Date: 02/16/09 00:00 RPT Date:
RSK175 is for methane only

Sample: L387941-05 Account: OXYGJCO Received: 02/13/09 09:00 Due Date: 02/16/09 00:00 RPT Date:
RSK175 is for methane only

Sample: L387941-06 Account: OXYGJCO Received: 02/13/09 09:00 Due Date: 02/16/09 00:00 RPT Date:
RSK175 is for methane only



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

Grand Junction, CO 81506

Report Summary

Monday February 16, 2009

Report Number: L387941

Samples Received: 02/13/09

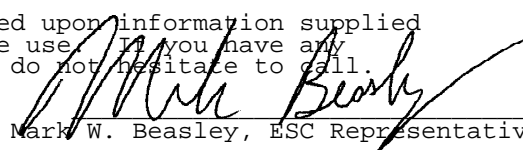
Client Project:

Description: Hawkins 10-9

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, 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

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

February 16, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : CREEK CROSSING

Collected By : Brett Kennedy
Collection Date : 02/11/09 18:20

ESC Sample # : L387941-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	02/13/09	1
Acrolein	BDL	0.050	mg/l	8260B	02/13/09	1
Acrylonitrile	BDL	0.010	mg/l	8260B	02/13/09	1
Benzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromoform	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromomethane	BDL	0.0050	mg/l	8260B	02/13/09	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	02/13/09	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Chloroethane	BDL	0.0050	mg/l	8260B	02/13/09	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	02/13/09	1
Chloroform	BDL	0.0050	mg/l	8260B	02/13/09	1
Chloromethane	BDL	0.0025	mg/l	8260B	02/13/09	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	02/13/09	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Dibromomethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	02/13/09	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	02/13/09	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	02/13/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

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

February 16, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : CREEK CROSSING

Collected By : Brett Kennedy
Collection Date : 02/11/09 18:20

ESC Sample # : L387941-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	02/13/09	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	02/13/09	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	02/13/09	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	02/13/09	1
Naphthalene	BDL	0.0050	mg/l	8260B	02/13/09	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Styrene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	02/13/09	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
Toluene	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Trichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	02/13/09	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	02/13/09	1
Surrogate Recovery						
Toluene-d8	99.9		% Rec.	8260B	02/13/09	1
Dibromofluoromethane	106.		% Rec.	8260B	02/13/09	1
4-Bromofluorobenzene	94.7		% Rec.	8260B	02/13/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Est. 1970

REPORT OF ANALYSIS

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

February 16, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : ADJACENT 10-4

Collected By : Brett Kennedy
Collection Date : 02/11/09 17:32

ESC Sample # : L387941-02

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	02/13/09	1
Acrolein	BDL	0.050	mg/l	8260B	02/13/09	1
Acrylonitrile	BDL	0.010	mg/l	8260B	02/13/09	1
Benzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromoform	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromomethane	BDL	0.0050	mg/l	8260B	02/13/09	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	02/13/09	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Chloroethane	BDL	0.0050	mg/l	8260B	02/13/09	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	02/13/09	1
Chloroform	BDL	0.0050	mg/l	8260B	02/13/09	1
Chloromethane	BDL	0.0025	mg/l	8260B	02/13/09	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	02/13/09	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Dibromomethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	02/13/09	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	02/13/09	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	02/13/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

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

February 16, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : ADJACENT 10-4

Collected By : Brett Kennedy
Collection Date : 02/11/09 17:32

ESC Sample # : L387941-02

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	02/13/09	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	02/13/09	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	02/13/09	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	02/13/09	1
Naphthalene	BDL	0.0050	mg/l	8260B	02/13/09	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Styrene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	02/13/09	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
Toluene	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Trichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	02/13/09	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	02/13/09	1
Surrogate Recovery						
Toluene-d8	97.4		% Rec.	8260B	02/13/09	1
Dibromofluoromethane	105.		% Rec.	8260B	02/13/09	1
4-Bromofluorobenzene	93.0		% Rec.	8260B	02/13/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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REPORT OF ANALYSIS

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

February 16, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4
Sample ID : FENCE CROSSING-DOWNSTREAM
Collected By : Brett Kennedy
Collection Date : 02/11/09 17:50

ESC Sample # : L387941-03

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	02/13/09	1
Acrolein	BDL	0.050	mg/l	8260B	02/13/09	1
Acrylonitrile	BDL	0.010	mg/l	8260B	02/13/09	1
Benzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromoform	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromomethane	BDL	0.0050	mg/l	8260B	02/13/09	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	02/13/09	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Chloroethane	BDL	0.0050	mg/l	8260B	02/13/09	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	02/13/09	1
Chloroform	BDL	0.0050	mg/l	8260B	02/13/09	1
Chloromethane	BDL	0.0025	mg/l	8260B	02/13/09	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	02/13/09	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Dibromomethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	02/13/09	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	02/13/09	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	02/13/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

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

February 16, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4
Sample ID : FENCE CROSSING-DOWNSTREAM
Collected By : Brett Kennedy
Collection Date : 02/11/09 17:50

ESC Sample # : L387941-03

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	02/13/09	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	02/13/09	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	02/13/09	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	02/13/09	1
Naphthalene	BDL	0.0050	mg/l	8260B	02/13/09	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Styrene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	02/13/09	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
Toluene	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Trichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	02/13/09	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	02/13/09	1
Surrogate Recovery						
Toluene-d8	99.3		% Rec.	8260B	02/13/09	1
Dibromofluoromethane	104.		% Rec.	8260B	02/13/09	1
4-Bromofluorobenzene	92.3		% Rec.	8260B	02/13/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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REPORT OF ANALYSIS

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

February 16, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : CREEK CROSSING

Collected By : Brett Kennedy
Collection Date : 02/11/09 18:20

ESC Sample # : L387941-04

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	5.4	1.0	mg/l	9056	02/13/09	1
Fluoride	0.21	0.10	mg/l	9056	02/13/09	1
Nitrate	BDL	0.10	mg/l	9056	02/13/09	1
Nitrite	BDL	0.10	mg/l	9056	02/13/09	1
Sulfate	140	5.0	mg/l	9056	02/13/09	1
Alkalinity	330	10.	mg/l	2320B	02/13/09	1
Methane	BDL	0.010	mg/l	3810/RSK175	02/13/09	1
Ethane	BDL	0.013	mg/l	3810/RSK175	02/13/09	1
Ethene	BDL	0.013	mg/l	3810/RSK175	02/13/09	1
pH	8.2		su	9040C	02/14/09	1
Dissolved Solids	530	10.	mg/l	2540C	02/16/09	1
Mercury	BDL	0.00020	mg/l	7470A	02/14/09	1
Arsenic	BDL	0.020	mg/l	6010B	02/14/09	1
Barium	0.10	0.0050	mg/l	6010B	02/14/09	1
Cadmium	BDL	0.0050	mg/l	6010B	02/14/09	1
Calcium	88.	0.50	mg/l	6010B	02/14/09	1
Chromium	BDL	0.010	mg/l	6010B	02/14/09	1
Lead	0.0057	0.0050	mg/l	6010B	02/14/09	1
Magnesium	33.	0.10	mg/l	6010B	02/14/09	1
Potassium	1.6	0.50	mg/l	6010B	02/14/09	1
Selenium	BDL	0.020	mg/l	6010B	02/14/09	1
Silver	BDL	0.010	mg/l	6010B	02/14/09	1
Sodium	56.	0.50	mg/l	6010B	02/14/09	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.010	mg/l	8270C	02/16/09	1
Acenaphthylene	BDL	0.010	mg/l	8270C	02/16/09	1
Anthracene	BDL	0.010	mg/l	8270C	02/16/09	1
Benzidine	BDL	0.050	mg/l	8270C	02/16/09	1
Benzo(a)anthracene	BDL	0.010	mg/l	8270C	02/16/09	1
Benzo(b)fluoranthene	BDL	0.010	mg/l	8270C	02/16/09	1
Benzo(k)fluoranthene	BDL	0.010	mg/l	8270C	02/16/09	1
Benzo(g,h,i)perylene	BDL	0.010	mg/l	8270C	02/16/09	1
Benzo(a)pyrene	BDL	0.010	mg/l	8270C	02/16/09	1
Bis(2-chlorethoxy)methane	BDL	0.010	mg/l	8270C	02/16/09	1
Bis(2-chloroethyl)ether	BDL	0.010	mg/l	8270C	02/16/09	1
Bis(2-chloroisopropyl)ether	BDL	0.010	mg/l	8270C	02/16/09	1
4-Bromophenyl-phenylether	BDL	0.010	mg/l	8270C	02/16/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L387941-04 (PH) - 8.2@19.7c



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REPORT OF ANALYSIS

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

February 16, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : CREEK CROSSING

Collected By : Brett Kennedy
Collection Date : 02/11/09 18:20

ESC Sample # : L387941-04

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Chloronaphthalene	BDL	0.010	mg/l	8270C	02/16/09	1
4-Chlorophenyl-phenylether	BDL	0.010	mg/l	8270C	02/16/09	1
Chrysene	BDL	0.010	mg/l	8270C	02/16/09	1
Dibenz(a,h)anthracene	BDL	0.010	mg/l	8270C	02/16/09	1
3,3-Dichlorobenzidine	BDL	0.010	mg/l	8270C	02/16/09	1
2,4-Dinitrotoluene	BDL	0.010	mg/l	8270C	02/16/09	1
2,6-Dinitrotoluene	BDL	0.010	mg/l	8270C	02/16/09	1
Fluoranthene	BDL	0.010	mg/l	8270C	02/16/09	1
Fluorene	BDL	0.010	mg/l	8270C	02/16/09	1
Hexachlorobenzene	BDL	0.010	mg/l	8270C	02/16/09	1
Hexachloro-1,3-butadiene	BDL	0.010	mg/l	8270C	02/16/09	1
Hexachlorocyclopentadiene	BDL	0.010	mg/l	8270C	02/16/09	1
Hexachloroethane	BDL	0.010	mg/l	8270C	02/16/09	1
Indeno(1,2,3-cd)pyrene	BDL	0.010	mg/l	8270C	02/16/09	1
Isophorone	BDL	0.010	mg/l	8270C	02/16/09	1
Naphthalene	BDL	0.010	mg/l	8270C	02/16/09	1
Nitrobenzene	BDL	0.010	mg/l	8270C	02/16/09	1
n-Nitrosodimethylamine	BDL	0.050	mg/l	8270C	02/16/09	1
n-Nitrosodiphenylamine	BDL	0.010	mg/l	8270C	02/16/09	1
n-Nitrosodi-n-propylamine	BDL	0.010	mg/l	8270C	02/16/09	1
Phenanthrene	BDL	0.010	mg/l	8270C	02/16/09	1
Benzylbutyl phthalate	BDL	0.010	mg/l	8270C	02/16/09	1
Bis(2-ethylhexyl)phthalate	BDL	0.010	mg/l	8270C	02/16/09	1
Di-n-butyl phthalate	BDL	0.010	mg/l	8270C	02/16/09	1
Diethyl phthalate	BDL	0.010	mg/l	8270C	02/16/09	1
Dimethyl phthalate	BDL	0.010	mg/l	8270C	02/16/09	1
Di-n-octyl phthalate	BDL	0.010	mg/l	8270C	02/16/09	1
Pyrene	BDL	0.010	mg/l	8270C	02/16/09	1
1,2,4-Trichlorobenzene	BDL	0.010	mg/l	8270C	02/16/09	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.010	mg/l	8270C	02/16/09	1
2-Chlorophenol	BDL	0.010	mg/l	8270C	02/16/09	1
2,4-Dichlorophenol	BDL	0.010	mg/l	8270C	02/16/09	1
2,4-Dimethylphenol	BDL	0.010	mg/l	8270C	02/16/09	1
4,6-Dinitro-2-methylphenol	BDL	0.010	mg/l	8270C	02/16/09	1
2,4-Dinitrophenol	BDL	0.010	mg/l	8270C	02/16/09	1
2-Nitrophenol	BDL	0.010	mg/l	8270C	02/16/09	1
4-Nitrophenol	BDL	0.010	mg/l	8270C	02/16/09	1
Pentachlorophenol	BDL	0.010	mg/l	8270C	02/16/09	1
Phenol	BDL	0.010	mg/l	8270C	02/16/09	1
2,4,6-Trichlorophenol	BDL	0.010	mg/l	8270C	02/16/09	1
Surrogate Recovery						
2-Fluorophenol	39.6		% Rec.	8270C	02/16/09	1
Phenol-d5	26.5		% Rec.	8270C	02/16/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L387941-04 (PH) - 8.2@19.7c



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Est. 1970

REPORT OF ANALYSIS

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

February 16, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : CREEK CROSSING

Collected By : Brett Kennedy
Collection Date : 02/11/09 18:20

ESC Sample # : L387941-04

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Nitrobenzene-d5	71.8		% Rec.	8270C	02/16/09	1
2-Fluorobiphenyl	98.5		% Rec.	8270C	02/16/09	1
2,4,6-Tribromophenol	109.		% Rec.	8270C	02/16/09	1
p-Terphenyl-d14	123.		% Rec.	8270C	02/16/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 02/16/09 17:30 Printed: 02/16/09 17:30
L387941-04 (PH) - 8.2@19.7c



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REPORT OF ANALYSIS

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

February 16, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : ADJACENT 10-4

Collected By : Brett Kennedy
Collection Date : 02/11/09 17:32

ESC Sample # : L387941-05

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	6.4	1.0	mg/l	9056	02/13/09	1
Fluoride	0.25	0.10	mg/l	9056	02/13/09	1
Nitrate	0.11	0.10	mg/l	9056	02/13/09	1
Nitrite	BDL	0.10	mg/l	9056	02/13/09	1
Sulfate	140	5.0	mg/l	9056	02/13/09	1
Alkalinity	340	10.	mg/l	2320B	02/13/09	1
Methane	BDL	0.010	mg/l	3810/RSK175	02/13/09	1
Ethane	BDL	0.013	mg/l	3810/RSK175	02/13/09	1
Ethene	BDL	0.013	mg/l	3810/RSK175	02/13/09	1
pH	8.3		su	9040C	02/14/09	1
Dissolved Solids	740	10.	mg/l	2540C	02/16/09	1
Mercury	BDL	0.00020	mg/l	7470A	02/14/09	1
Arsenic	BDL	0.020	mg/l	6010B	02/14/09	1
Barium	0.094	0.0050	mg/l	6010B	02/14/09	1
Cadmium	BDL	0.0050	mg/l	6010B	02/14/09	1
Calcium	87.	0.50	mg/l	6010B	02/14/09	1
Chromium	BDL	0.010	mg/l	6010B	02/14/09	1
Lead	BDL	0.0050	mg/l	6010B	02/14/09	1
Magnesium	33.	0.10	mg/l	6010B	02/14/09	1
Potassium	1.7	0.50	mg/l	6010B	02/14/09	1
Selenium	BDL	0.020	mg/l	6010B	02/14/09	1
Silver	BDL	0.010	mg/l	6010B	02/14/09	1
Sodium	63.	0.50	mg/l	6010B	02/14/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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L387941-05 (PH) - 8.3@20.0c



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REPORT OF ANALYSIS

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

February 16, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4
Sample ID : FENCE CROSSING-DOWNSTREAM
Collected By : Brett Kennedy
Collection Date : 02/11/09 17:50

ESC Sample # : L387941-06

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	6.6	1.0	mg/l	9056	02/13/09	1
Fluoride	0.26	0.10	mg/l	9056	02/13/09	1
Nitrate	0.13	0.10	mg/l	9056	02/13/09	1
Nitrite	BDL	0.10	mg/l	9056	02/13/09	1
Sulfate	140	5.0	mg/l	9056	02/13/09	1
Alkalinity	300	10.	mg/l	2320B	02/13/09	1
Methane	BDL	0.010	mg/l	3810/RSK175	02/13/09	1
Ethane	BDL	0.013	mg/l	3810/RSK175	02/13/09	1
Ethene	BDL	0.013	mg/l	3810/RSK175	02/13/09	1
pH	8.3		su	9040C	02/14/09	1
Dissolved Solids	550	10.	mg/l	2540C	02/16/09	1
Mercury	BDL	0.00020	mg/l	7470A	02/14/09	1
Arsenic	BDL	0.020	mg/l	6010B	02/14/09	1
Barium	0.090	0.0050	mg/l	6010B	02/14/09	1
Cadmium	BDL	0.0050	mg/l	6010B	02/14/09	1
Calcium	85.	0.50	mg/l	6010B	02/14/09	1
Chromium	BDL	0.010	mg/l	6010B	02/14/09	1
Lead	BDL	0.0050	mg/l	6010B	02/14/09	1
Magnesium	35.	0.10	mg/l	6010B	02/14/09	1
Potassium	1.6	0.50	mg/l	6010B	02/14/09	1
Selenium	BDL	0.020	mg/l	6010B	02/14/09	1
Silver	BDL	0.010	mg/l	6010B	02/14/09	1
Sodium	66.	0.50	mg/l	6010B	02/14/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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L387941-06 (PH) - 8.3@19.9c

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L387941-04	WG407315	SAMP	pH	R633051	T8
	WG407402	SAMP	4-Bromophenyl-phenylether	R633966	J4
	WG407402	SAMP	4-Chlorophenyl-phenylether	R633966	J4
	WG407402	SAMP	2,4-Dimethylphenol	R633966	J4
	WG407196	SAMP	Fluoride	R632125	P1
L387941-05	WG407315	SAMP	pH	R633051	T8
L387941-06	WG407315	SAMP	pH	R633051	T8

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J4	The associated batch QC was outside the established quality control range for accuracy.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
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
02/16/09 at 17:30:51

TSR Signing Reports: 134
R1 - Rush: Sameday

Sample: L387941-01 Account: OXYGJCO Received: 02/13/09 09:00 Due Date: 02/13/09 00:00 RPT Date: 02/16/09 17:30
Sample: L387941-02 Account: OXYGJCO Received: 02/13/09 09:00 Due Date: 02/13/09 00:00 RPT Date: 02/16/09 17:30
Sample: L387941-03 Account: OXYGJCO Received: 02/13/09 09:00 Due Date: 02/13/09 00:00 RPT Date: 02/16/09 17:30
Sample: L387941-04 Account: OXYGJCO Received: 02/13/09 09:00 Due Date: 02/16/09 00:00 RPT Date: 02/16/09 17:30
RSK175 is for methane only
Sample: L387941-05 Account: OXYGJCO Received: 02/13/09 09:00 Due Date: 02/16/09 00:00 RPT Date: 02/16/09 17:30
RSK175 is for methane only
Sample: L387941-06 Account: OXYGJCO Received: 02/13/09 09:00 Due Date: 02/16/09 00:00 RPT Date: 02/16/09 17:30
RSK175 is for methane only

Company Name/Address: OXY USA - Grand Junction, CO 2754 Compass Dr., Ste. 170 Grand Junction, CO 81506				Alternate billing information:				Analysis/Container/Preservative <div style="display: flex; justify-content: space-between; font-size: small;"> *Same Day * 8260-VOC's *Same Day * </div> <div style="display: flex; justify-content: space-between; font-size: small;"> RCA 8 metals Ca, K, Mg, Na pH </div> <div style="display: flex; justify-content: space-between; font-size: small;"> 8270-Semi VOC chloride, nitrates, nitrites, sulfates, alkalinity TDS </div> <div style="display: flex; justify-content: space-between; font-size: small;"> Fluoride, methane </div>				Chain of Custody ge 1 of 1 D019 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>Hawkins 10-9 and 10-4</u>				City/State Collected: <u>-</u>											
Phone: (970) 263-3601		Client Project #:		ESC Key:											
FAX:				P.O. #:											
Collected by: <u>Brett Kennedy</u>		Site/Facility ID#:		P.O. #:											
Collected by (signature): <u>Brett Kennedy</u> Immediately Packed on Ice N <u>Y</u> <input checked="" type="checkbox"/>		Rush? (Lab MUST Be Notified) <input checked="" type="checkbox"/> Same Day.....200% <input checked="" type="checkbox"/> Next Day.....100% <input type="checkbox"/> Two Day.....50% <input type="checkbox"/> 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		CaCode: OXYGJCO (lab use only) Template/Prelogin Shipped Via:							
Sample ID	Comp/Grab	Matrix*	Depth	Date	Time										
Creek Crossing	Grab	SW	-	02/11/09	1820	98	✓	✓	✓	✓	✓	✓	✓	24 hr. TAT	1387991-01/04
Adjacent 10-4	Grab	SW	-	↓	1732	10	✓	✓	✓	✓	✓	✓	✓	↓	02/05
Fence Crossing-Downstream	Grab	SW	-	↓	1750	10	✓	✓	✓	✓	✓	✓	✓	↓	03/06

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

Remarks: Surface Water Flow _____ Other _____

Relinquished by: (Signature) <u>Brett Kennedy</u>	Date: <u>02/11/09</u>	Time: <u>1500</u>	Received by: (Signature) <u>[Signature]</u>	Samples returned via: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier	Condition: (lab use only)
	Date:	Time:	Received by: (Signature)	Temp: <u>3.8</u>	Bottles Received: <u>26</u>
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date: <u>2/13/09</u>	Time: <u>0900</u>
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) <u>C. Jones</u>	pH Checked: <u>8.2</u>	NCF: <input checked="" type="checkbox"/>

ENVIRONMENTAL SCIENCE CORP.

SAMPLE NON-CONFORMANCE FORM

Sample No. : L387941

Date: 2-13-09

Evaluated by: C. Jones

Client: Q Oxy USA - Grand Junction, CO

Non-Conformance (check applicable items)

- | | | | |
|-------------------------------------|------------------------------------------------------|--------------------------|---------------------------------------------------------------------------|
| <input type="checkbox"/> | Chain of Custody is missing | <input type="checkbox"/> | Login Clarification Needed |
| <input type="checkbox"/> | Improper container type | <input type="checkbox"/> | Improper preservation |
| <input type="checkbox"/> | Chain of custody is incomplete | <input type="checkbox"/> | Container lid not intact |
| <input type="checkbox"/> | Parameter(s) past holding time | <input type="checkbox"/> | Improper temperature |
| <input checked="" type="checkbox"/> | Broken container(s) see below | <input type="checkbox"/> | Broken container: sufficient sample volume remains for analysis requested |
| <input type="checkbox"/> | Insufficient packing material around container | | |
| <input checked="" type="checkbox"/> | Insufficient packing material inside cooler | | |
| <input type="checkbox"/> | Improper handling by carrier (FedEx / UPS / Courier) | | |
| <input type="checkbox"/> | Sample was frozen | | |

Comments: received Amber liters broken for Adjacent 10.4 and
Fence Crossing Downstream

Login Instructions:

TSR Initials: MB

Client informed by call ☒ email / fax / voice mail date: 2/13/09 time: 1030

Client contact: Brett K.

- client notified



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

Grand Junction, CO 81506

Report Summary

Friday February 13, 2009

Report Number: L387947

Samples Received: 02/13/09

Client Project:

Description: Hawkins 10-9

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, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

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6 Samples Reported: Printed: 02/13/09 14:27
Page 1 of 7



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REPORT OF ANALYSIS

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

February 13, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4
Sample ID : 1 DOWNSTREAM HAWKINS 10-9
Collected By : Alonzo Hernandez
Collection Date : 02/12/09 14:19

ESC Sample # : L387947-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	02/13/09	1
Acrolein	BDL	0.050	mg/l	8260B	02/13/09	1
Acrylonitrile	BDL	0.010	mg/l	8260B	02/13/09	1
Benzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromoform	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromomethane	BDL	0.0050	mg/l	8260B	02/13/09	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	02/13/09	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Chloroethane	BDL	0.0050	mg/l	8260B	02/13/09	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	02/13/09	1
Chloroform	BDL	0.0050	mg/l	8260B	02/13/09	1
Chloromethane	BDL	0.0025	mg/l	8260B	02/13/09	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	02/13/09	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Dibromomethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	02/13/09	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	02/13/09	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	02/13/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)



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Est. 1970

REPORT OF ANALYSIS

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

February 13, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4
Sample ID : 1 DOWNSTREAM HAWKINS 10-9
Collected By : Alonzo Hernandez
Collection Date : 02/12/09 14:19

ESC Sample # : L387947-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	02/13/09	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	02/13/09	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	02/13/09	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	02/13/09	1
Naphthalene	BDL	0.0050	mg/l	8260B	02/13/09	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Styrene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	02/13/09	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
Toluene	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Trichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	02/13/09	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	02/13/09	1
Surrogate Recovery						
Toluene-d8	95.8		% Rec.	8260B	02/13/09	1
Dibromofluoromethane	102.		% Rec.	8260B	02/13/09	1
4-Bromofluorobenzene	91.0		% Rec.	8260B	02/13/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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REPORT OF ANALYSIS

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

February 13, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : 2 UPSTREAM WEST CREEK

Collected By : Alonzo Hernandez
Collection Date : 02/12/09 14:37

ESC Sample # : L387947-02

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	02/13/09	1
Acrolein	BDL	0.050	mg/l	8260B	02/13/09	1
Acrylonitrile	BDL	0.010	mg/l	8260B	02/13/09	1
Benzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromoform	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromomethane	BDL	0.0050	mg/l	8260B	02/13/09	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	02/13/09	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Chloroethane	BDL	0.0050	mg/l	8260B	02/13/09	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	02/13/09	1
Chloroform	BDL	0.0050	mg/l	8260B	02/13/09	1
Chloromethane	BDL	0.0025	mg/l	8260B	02/13/09	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	02/13/09	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Dibromomethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	02/13/09	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	02/13/09	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	02/13/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

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

February 13, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : 2 UPSTREAM WEST CREEK

Collected By : Alonzo Hernandez
Collection Date : 02/12/09 14:37

ESC Sample # : L387947-02

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	02/13/09	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	02/13/09	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	02/13/09	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	02/13/09	1
Naphthalene	BDL	0.0050	mg/l	8260B	02/13/09	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Styrene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	02/13/09	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
Toluene	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Trichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	02/13/09	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	02/13/09	1
Surrogate Recovery						
Toluene-d8	95.6		% Rec.	8260B	02/13/09	1
Dibromofluoromethane	103.		% Rec.	8260B	02/13/09	1
4-Bromofluorobenzene	93.0		% Rec.	8260B	02/13/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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REPORT OF ANALYSIS

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

February 13, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : 3 UPSTREAM EAST CREEK

Collected By : Alonzo Hernandez
Collection Date : 02/12/09 15:00

ESC Sample # : L387947-03

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	02/13/09	1
Acrolein	BDL	0.050	mg/l	8260B	02/13/09	1
Acrylonitrile	BDL	0.010	mg/l	8260B	02/13/09	1
Benzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromoform	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromomethane	BDL	0.0050	mg/l	8260B	02/13/09	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	02/13/09	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Chloroethane	BDL	0.0050	mg/l	8260B	02/13/09	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	02/13/09	1
Chloroform	BDL	0.0050	mg/l	8260B	02/13/09	1
Chloromethane	BDL	0.0025	mg/l	8260B	02/13/09	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	02/13/09	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Dibromomethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	02/13/09	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	02/13/09	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	02/13/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

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

February 13, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : 3 UPSTREAM EAST CREEK

Collected By : Alonzo Hernandez
Collection Date : 02/12/09 15:00

ESC Sample # : L387947-03

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	02/13/09	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	02/13/09	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	02/13/09	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	02/13/09	1
Naphthalene	BDL	0.0050	mg/l	8260B	02/13/09	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Styrene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	02/13/09	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
Toluene	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Trichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	02/13/09	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	02/13/09	1
Surrogate Recovery						
Toluene-d8	97.0		% Rec.	8260B	02/13/09	1
Dibromofluoromethane	106.		% Rec.	8260B	02/13/09	1
4-Bromofluorobenzene	94.1		% Rec.	8260B	02/13/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Summary of Remarks For Samples Printed
02/13/09 at 14:27:28

TSR Signing Reports: 134
R1 - Rush: Sameday

expect MSA

Sample: L387947-01 Account: OXYGJCO Received: 02/13/09 09:00 Due Date: 02/13/09 00:00 RPT Date:

Sample: L387947-02 Account: OXYGJCO Received: 02/13/09 09:00 Due Date: 02/13/09 00:00 RPT Date:

Sample: L387947-03 Account: OXYGJCO Received: 02/13/09 09:00 Due Date: 02/13/09 00:00 RPT Date:



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Est. 1970

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

Grand Junction, CO 81506

Report Summary

Monday February 16, 2009

Report Number: L387947

Samples Received: 02/13/09

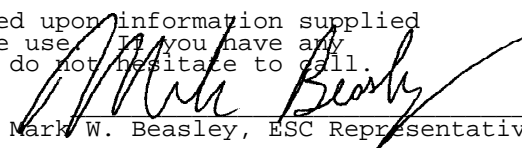
Client Project:

Description: Hawkins 10-9

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, 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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Est. 1970

REPORT OF ANALYSIS

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

February 16, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4
Sample ID : 1 DOWNSTREAM HAWKINS 10-9
Collected By : Alonzo Hernandez
Collection Date : 02/12/09 14:19

ESC Sample # : L387947-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	02/13/09	1
Acrolein	BDL	0.050	mg/l	8260B	02/13/09	1
Acrylonitrile	BDL	0.010	mg/l	8260B	02/13/09	1
Benzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromoform	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromomethane	BDL	0.0050	mg/l	8260B	02/13/09	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	02/13/09	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Chloroethane	BDL	0.0050	mg/l	8260B	02/13/09	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	02/13/09	1
Chloroform	BDL	0.0050	mg/l	8260B	02/13/09	1
Chloromethane	BDL	0.0025	mg/l	8260B	02/13/09	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	02/13/09	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Dibromomethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	02/13/09	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	02/13/09	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	02/13/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)



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Est. 1970

REPORT OF ANALYSIS

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

February 16, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4
Sample ID : 1 DOWNSTREAM HAWKINS 10-9
Collected By : Alonzo Hernandez
Collection Date : 02/12/09 14:19

ESC Sample # : L387947-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	02/13/09	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	02/13/09	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	02/13/09	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	02/13/09	1
Naphthalene	BDL	0.0050	mg/l	8260B	02/13/09	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Styrene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	02/13/09	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
Toluene	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Trichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	02/13/09	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	02/13/09	1
Surrogate Recovery						
Toluene-d8	95.8		% Rec.	8260B	02/13/09	1
Dibromofluoromethane	102.		% Rec.	8260B	02/13/09	1
4-Bromofluorobenzene	91.0		% Rec.	8260B	02/13/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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REPORT OF ANALYSIS

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

February 16, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : 2 UPSTREAM WEST CREEK

Collected By : Alonzo Hernandez
Collection Date : 02/12/09 14:37

ESC Sample # : L387947-02

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	02/13/09	1
Acrolein	BDL	0.050	mg/l	8260B	02/13/09	1
Acrylonitrile	BDL	0.010	mg/l	8260B	02/13/09	1
Benzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromoform	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromomethane	BDL	0.0050	mg/l	8260B	02/13/09	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	02/13/09	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Chloroethane	BDL	0.0050	mg/l	8260B	02/13/09	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	02/13/09	1
Chloroform	BDL	0.0050	mg/l	8260B	02/13/09	1
Chloromethane	BDL	0.0025	mg/l	8260B	02/13/09	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	02/13/09	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Dibromomethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	02/13/09	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	02/13/09	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	02/13/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

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

February 16, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : 2 UPSTREAM WEST CREEK

Collected By : Alonzo Hernandez
Collection Date : 02/12/09 14:37

ESC Sample # : L387947-02

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	02/13/09	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	02/13/09	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	02/13/09	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	02/13/09	1
Naphthalene	BDL	0.0050	mg/l	8260B	02/13/09	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Styrene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	02/13/09	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
Toluene	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Trichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	02/13/09	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	02/13/09	1
Surrogate Recovery						
Toluene-d8	95.6		% Rec.	8260B	02/13/09	1
Dibromofluoromethane	103.		% Rec.	8260B	02/13/09	1
4-Bromofluorobenzene	93.0		% Rec.	8260B	02/13/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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REPORT OF ANALYSIS

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

February 16, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : 3 UPSTREAM EAST CREEK

Collected By : Alonzo Hernandez
Collection Date : 02/12/09 15:00

ESC Sample # : L387947-03

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	02/13/09	1
Acrolein	BDL	0.050	mg/l	8260B	02/13/09	1
Acrylonitrile	BDL	0.010	mg/l	8260B	02/13/09	1
Benzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromoform	BDL	0.0010	mg/l	8260B	02/13/09	1
Bromomethane	BDL	0.0050	mg/l	8260B	02/13/09	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	02/13/09	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Chloroethane	BDL	0.0050	mg/l	8260B	02/13/09	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	02/13/09	1
Chloroform	BDL	0.0050	mg/l	8260B	02/13/09	1
Chloromethane	BDL	0.0025	mg/l	8260B	02/13/09	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	02/13/09	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Dibromomethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	02/13/09	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	02/13/09	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	02/13/09	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	02/13/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

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

February 16, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : 3 UPSTREAM EAST CREEK

Collected By : Alonzo Hernandez
Collection Date : 02/12/09 15:00

ESC Sample # : L387947-03

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	02/13/09	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	02/13/09	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	02/13/09	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	02/13/09	1
Naphthalene	BDL	0.0050	mg/l	8260B	02/13/09	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Styrene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	02/13/09	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
Toluene	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	02/13/09	1
Trichloroethene	BDL	0.0010	mg/l	8260B	02/13/09	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	02/13/09	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/13/09	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	02/13/09	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	02/13/09	1
Surrogate Recovery						
Toluene-d8	97.0		% Rec.	8260B	02/13/09	1
Dibromofluoromethane	106.		% Rec.	8260B	02/13/09	1
4-Bromofluorobenzene	94.1		% Rec.	8260B	02/13/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Est. 1970

REPORT OF ANALYSIS

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

February 16, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4
Sample ID : 1 DOWNSTREAM HAWKINS 10-9
Collected By : Alonzo Hernandez
Collection Date : 02/12/09 14:19

ESC Sample # : L387947-04

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	5.6	1.0	mg/l	9056	02/13/09	1
Fluoride	0.23	0.10	mg/l	9056	02/13/09	1
Nitrate	BDL	0.10	mg/l	9056	02/13/09	1
Nitrite	BDL	0.10	mg/l	9056	02/13/09	1
Sulfate	140	5.0	mg/l	9056	02/13/09	1
Alkalinity	370	10.	mg/l	2320B	02/16/09	1
Methane	BDL	0.010	mg/l	3810/RSK175	02/13/09	1
Ethane	BDL	0.013	mg/l	3810/RSK175	02/13/09	1
Ethene	BDL	0.013	mg/l	3810/RSK175	02/13/09	1
pH	8.3		su	9040C	02/14/09	1
Dissolved Solids	550	10.	mg/l	2540C	02/16/09	1
Mercury	BDL	0.00020	mg/l	7470A	02/14/09	1
Arsenic	BDL	0.020	mg/l	6010B	02/14/09	1
Barium	0.10	0.0050	mg/l	6010B	02/14/09	1
Cadmium	BDL	0.0050	mg/l	6010B	02/14/09	1
Calcium	90.	0.50	mg/l	6010B	02/14/09	1
Chromium	BDL	0.010	mg/l	6010B	02/14/09	1
Lead	BDL	0.0050	mg/l	6010B	02/14/09	1
Magnesium	34.	0.10	mg/l	6010B	02/14/09	1
Potassium	1.8	0.50	mg/l	6010B	02/14/09	1
Selenium	0.025	0.020	mg/l	6010B	02/14/09	1
Silver	BDL	0.010	mg/l	6010B	02/14/09	1
Sodium	58.	0.50	mg/l	6010B	02/14/09	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.010	mg/l	8270C	02/16/09	1
Acenaphthylene	BDL	0.010	mg/l	8270C	02/16/09	1
Anthracene	BDL	0.010	mg/l	8270C	02/16/09	1
Benzidine	BDL	0.050	mg/l	8270C	02/16/09	1
Benzo(a)anthracene	BDL	0.010	mg/l	8270C	02/16/09	1
Benzo(b)fluoranthene	BDL	0.010	mg/l	8270C	02/16/09	1
Benzo(k)fluoranthene	BDL	0.010	mg/l	8270C	02/16/09	1
Benzo(g,h,i)perylene	BDL	0.010	mg/l	8270C	02/16/09	1
Benzo(a)pyrene	BDL	0.010	mg/l	8270C	02/16/09	1
Bis(2-chlorethoxy)methane	BDL	0.010	mg/l	8270C	02/16/09	1
Bis(2-chloroethyl)ether	BDL	0.010	mg/l	8270C	02/16/09	1
Bis(2-chloroisopropyl)ether	BDL	0.010	mg/l	8270C	02/16/09	1
4-Bromophenyl-phenylether	BDL	0.010	mg/l	8270C	02/16/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L387947-04 (PH) - 8.3@19.6c



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REPORT OF ANALYSIS

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

February 16, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4
Sample ID : 1 DOWNSTREAM HAWKINS 10-9
Collected By : Alonzo Hernandez
Collection Date : 02/12/09 14:19

ESC Sample # : L387947-04

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Chloronaphthalene	BDL	0.010	mg/l	8270C	02/16/09	1
4-Chlorophenyl-phenylether	BDL	0.010	mg/l	8270C	02/16/09	1
Chrysene	BDL	0.010	mg/l	8270C	02/16/09	1
Dibenz(a,h)anthracene	BDL	0.010	mg/l	8270C	02/16/09	1
3,3-Dichlorobenzidine	BDL	0.010	mg/l	8270C	02/16/09	1
2,4-Dinitrotoluene	BDL	0.010	mg/l	8270C	02/16/09	1
2,6-Dinitrotoluene	BDL	0.010	mg/l	8270C	02/16/09	1
Fluoranthene	BDL	0.010	mg/l	8270C	02/16/09	1
Fluorene	BDL	0.010	mg/l	8270C	02/16/09	1
Hexachlorobenzene	BDL	0.010	mg/l	8270C	02/16/09	1
Hexachloro-1,3-butadiene	BDL	0.010	mg/l	8270C	02/16/09	1
Hexachlorocyclopentadiene	BDL	0.010	mg/l	8270C	02/16/09	1
Hexachloroethane	BDL	0.010	mg/l	8270C	02/16/09	1
Indeno(1,2,3-cd)pyrene	BDL	0.010	mg/l	8270C	02/16/09	1
Isophorone	BDL	0.010	mg/l	8270C	02/16/09	1
Naphthalene	BDL	0.010	mg/l	8270C	02/16/09	1
Nitrobenzene	BDL	0.010	mg/l	8270C	02/16/09	1
n-Nitrosodimethylamine	BDL	0.050	mg/l	8270C	02/16/09	1
n-Nitrosodiphenylamine	BDL	0.010	mg/l	8270C	02/16/09	1
n-Nitrosodi-n-propylamine	BDL	0.010	mg/l	8270C	02/16/09	1
Phenanthrene	BDL	0.010	mg/l	8270C	02/16/09	1
Benzylbutyl phthalate	BDL	0.010	mg/l	8270C	02/16/09	1
Bis(2-ethylhexyl)phthalate	BDL	0.010	mg/l	8270C	02/16/09	1
Di-n-butyl phthalate	BDL	0.010	mg/l	8270C	02/16/09	1
Diethyl phthalate	BDL	0.010	mg/l	8270C	02/16/09	1
Dimethyl phthalate	BDL	0.010	mg/l	8270C	02/16/09	1
Di-n-octyl phthalate	BDL	0.010	mg/l	8270C	02/16/09	1
Pyrene	BDL	0.010	mg/l	8270C	02/16/09	1
1,2,4-Trichlorobenzene	BDL	0.010	mg/l	8270C	02/16/09	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.010	mg/l	8270C	02/16/09	1
2-Chlorophenol	BDL	0.010	mg/l	8270C	02/16/09	1
2,4-Dichlorophenol	BDL	0.010	mg/l	8270C	02/16/09	1
2,4-Dimethylphenol	BDL	0.010	mg/l	8270C	02/16/09	1
4,6-Dinitro-2-methylphenol	BDL	0.010	mg/l	8270C	02/16/09	1
2,4-Dinitrophenol	BDL	0.010	mg/l	8270C	02/16/09	1
2-Nitrophenol	BDL	0.010	mg/l	8270C	02/16/09	1
4-Nitrophenol	BDL	0.010	mg/l	8270C	02/16/09	1
Pentachlorophenol	BDL	0.010	mg/l	8270C	02/16/09	1
Phenol	BDL	0.010	mg/l	8270C	02/16/09	1
2,4,6-Trichlorophenol	BDL	0.010	mg/l	8270C	02/16/09	1
Surrogate Recovery						
2-Fluorophenol	29.9		% Rec.	8270C	02/16/09	1
Phenol-d5	20.0		% Rec.	8270C	02/16/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L387947-04 (PH) - 8.3@19.6c



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REPORT OF ANALYSIS

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

February 16, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4
Sample ID : 1 DOWNSTREAM HAWKINS 10-9
Collected By : Alonzo Hernandez
Collection Date : 02/12/09 14:19

ESC Sample # : L387947-04

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Nitrobenzene-d5	34.3		% Rec.	8270C	02/16/09	1
2-Fluorobiphenyl	59.3		% Rec.	8270C	02/16/09	1
2,4,6-Tribromophenol	85.8		% Rec.	8270C	02/16/09	1
p-Terphenyl-d14	103.		% Rec.	8270C	02/16/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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REPORT OF ANALYSIS

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

February 16, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : 2 UPSTREAM WEST CREEK

Collected By : Alonzo Hernandez
Collection Date : 02/12/09 14:37

ESC Sample # : L387947-05

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	2.3	1.0	mg/l	9056	02/13/09	1
Fluoride	0.20	0.10	mg/l	9056	02/13/09	1
Nitrate	BDL	0.10	mg/l	9056	02/13/09	1
Nitrite	BDL	0.10	mg/l	9056	02/13/09	1
Sulfate	37.	5.0	mg/l	9056	02/13/09	1
Alkalinity	310	10.	mg/l	2320B	02/16/09	1
Methane	BDL	0.010	mg/l	3810/RSK175	02/13/09	1
Ethane	BDL	0.013	mg/l	3810/RSK175	02/13/09	1
Ethene	BDL	0.013	mg/l	3810/RSK175	02/13/09	1
pH	8.3		su	9040C	02/14/09	1
Dissolved Solids	350	10.	mg/l	2540C	02/16/09	1
Mercury	BDL	0.00020	mg/l	7470A	02/14/09	1
Arsenic	BDL	0.020	mg/l	6010B	02/14/09	1
Barium	0.10	0.0050	mg/l	6010B	02/14/09	1
Cadmium	BDL	0.0050	mg/l	6010B	02/14/09	1
Calcium	70.	0.50	mg/l	6010B	02/14/09	1
Chromium	BDL	0.010	mg/l	6010B	02/14/09	1
Lead	BDL	0.0050	mg/l	6010B	02/14/09	1
Magnesium	27.	0.10	mg/l	6010B	02/14/09	1
Potassium	1.1	0.50	mg/l	6010B	02/14/09	1
Selenium	BDL	0.020	mg/l	6010B	02/14/09	1
Silver	BDL	0.010	mg/l	6010B	02/14/09	1
Sodium	20.	0.50	mg/l	6010B	02/14/09	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.010	mg/l	8270C	02/16/09	1
Acenaphthylene	BDL	0.010	mg/l	8270C	02/16/09	1
Anthracene	BDL	0.010	mg/l	8270C	02/16/09	1
Benzidine	BDL	0.050	mg/l	8270C	02/16/09	1
Benzo(a)anthracene	BDL	0.010	mg/l	8270C	02/16/09	1
Benzo(b)fluoranthene	BDL	0.010	mg/l	8270C	02/16/09	1
Benzo(k)fluoranthene	BDL	0.010	mg/l	8270C	02/16/09	1
Benzo(g,h,i)perylene	BDL	0.010	mg/l	8270C	02/16/09	1
Benzo(a)pyrene	BDL	0.010	mg/l	8270C	02/16/09	1
Bis(2-chlorethoxy)methane	BDL	0.010	mg/l	8270C	02/16/09	1
Bis(2-chloroethyl)ether	BDL	0.010	mg/l	8270C	02/16/09	1
Bis(2-chloroisopropyl)ether	BDL	0.010	mg/l	8270C	02/16/09	1
4-Bromophenyl-phenylether	BDL	0.010	mg/l	8270C	02/16/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L387947-05 (PH) - 8.3@19.5c



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

February 16, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : 2 UPSTREAM WEST CREEK

Collected By : Alonzo Hernandez
Collection Date : 02/12/09 14:37

ESC Sample # : L387947-05

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Chloronaphthalene	BDL	0.010	mg/l	8270C	02/16/09	1
4-Chlorophenyl-phenylether	BDL	0.010	mg/l	8270C	02/16/09	1
Chrysene	BDL	0.010	mg/l	8270C	02/16/09	1
Dibenz(a,h)anthracene	BDL	0.010	mg/l	8270C	02/16/09	1
3,3-Dichlorobenzidine	BDL	0.010	mg/l	8270C	02/16/09	1
2,4-Dinitrotoluene	BDL	0.010	mg/l	8270C	02/16/09	1
2,6-Dinitrotoluene	BDL	0.010	mg/l	8270C	02/16/09	1
Fluoranthene	BDL	0.010	mg/l	8270C	02/16/09	1
Fluorene	BDL	0.010	mg/l	8270C	02/16/09	1
Hexachlorobenzene	BDL	0.010	mg/l	8270C	02/16/09	1
Hexachloro-1,3-butadiene	BDL	0.010	mg/l	8270C	02/16/09	1
Hexachlorocyclopentadiene	BDL	0.010	mg/l	8270C	02/16/09	1
Hexachloroethane	BDL	0.010	mg/l	8270C	02/16/09	1
Indeno(1,2,3-cd)pyrene	BDL	0.010	mg/l	8270C	02/16/09	1
Isophorone	BDL	0.010	mg/l	8270C	02/16/09	1
Naphthalene	BDL	0.010	mg/l	8270C	02/16/09	1
Nitrobenzene	BDL	0.010	mg/l	8270C	02/16/09	1
n-Nitrosodimethylamine	BDL	0.050	mg/l	8270C	02/16/09	1
n-Nitrosodiphenylamine	BDL	0.010	mg/l	8270C	02/16/09	1
n-Nitrosodi-n-propylamine	BDL	0.010	mg/l	8270C	02/16/09	1
Phenanthrene	BDL	0.010	mg/l	8270C	02/16/09	1
Benzylbutyl phthalate	BDL	0.010	mg/l	8270C	02/16/09	1
Bis(2-ethylhexyl)phthalate	BDL	0.010	mg/l	8270C	02/16/09	1
Di-n-butyl phthalate	BDL	0.010	mg/l	8270C	02/16/09	1
Diethyl phthalate	BDL	0.010	mg/l	8270C	02/16/09	1
Dimethyl phthalate	BDL	0.010	mg/l	8270C	02/16/09	1
Di-n-octyl phthalate	BDL	0.010	mg/l	8270C	02/16/09	1
Pyrene	BDL	0.010	mg/l	8270C	02/16/09	1
1,2,4-Trichlorobenzene	BDL	0.010	mg/l	8270C	02/16/09	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.010	mg/l	8270C	02/16/09	1
2-Chlorophenol	BDL	0.010	mg/l	8270C	02/16/09	1
2,4-Dichlorophenol	BDL	0.010	mg/l	8270C	02/16/09	1
2,4-Dimethylphenol	BDL	0.010	mg/l	8270C	02/16/09	1
4,6-Dinitro-2-methylphenol	BDL	0.010	mg/l	8270C	02/16/09	1
2,4-Dinitrophenol	BDL	0.010	mg/l	8270C	02/16/09	1
2-Nitrophenol	BDL	0.010	mg/l	8270C	02/16/09	1
4-Nitrophenol	BDL	0.010	mg/l	8270C	02/16/09	1
Pentachlorophenol	BDL	0.010	mg/l	8270C	02/16/09	1
Phenol	BDL	0.010	mg/l	8270C	02/16/09	1
2,4,6-Trichlorophenol	BDL	0.010	mg/l	8270C	02/16/09	1
Surrogate Recovery						
2-Fluorophenol	37.1		% Rec.	8270C	02/16/09	1
Phenol-d5	25.7		% Rec.	8270C	02/16/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L387947-05 (PH) - 8.3@19.5c



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REPORT OF ANALYSIS

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

February 16, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : 2 UPSTREAM WEST CREEK

Collected By : Alonzo Hernandez
Collection Date : 02/12/09 14:37

ESC Sample # : L387947-05

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Nitrobenzene-d5	48.4		% Rec.	8270C	02/16/09	1
2-Fluorobiphenyl	79.5		% Rec.	8270C	02/16/09	1
2,4,6-Tribromophenol	101.		% Rec.	8270C	02/16/09	1
p-Terphenyl-d14	123.		% Rec.	8270C	02/16/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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

February 16, 2009

Date Received : February 13, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : 3 UPSTREAM EAST CREEK

Collected By : Alonzo Hernandez
Collection Date : 02/12/09 15:00

ESC Sample # : L387947-06

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	6.4	1.0	mg/l	9056	02/13/09	1
Fluoride	0.21	0.10	mg/l	9056	02/13/09	1
Nitrate	BDL	0.10	mg/l	9056	02/13/09	1
Nitrite	BDL	0.10	mg/l	9056	02/13/09	1
Sulfate	170	5.0	mg/l	9056	02/13/09	1
Alkalinity	360	10.	mg/l	2320B	02/16/09	1
Methane	BDL	0.010	mg/l	3810/RSK175	02/13/09	1
Ethane	BDL	0.013	mg/l	3810/RSK175	02/13/09	1
Ethene	BDL	0.013	mg/l	3810/RSK175	02/13/09	1
pH	8.3		su	9040C	02/14/09	1
Dissolved Solids	600	10.	mg/l	2540C	02/16/09	1
Mercury	BDL	0.00020	mg/l	7470A	02/14/09	1
Arsenic	BDL	0.020	mg/l	6010B	02/14/09	1
Barium	0.097	0.0050	mg/l	6010B	02/14/09	1
Cadmium	BDL	0.0050	mg/l	6010B	02/14/09	1
Calcium	97.	0.50	mg/l	6010B	02/14/09	1
Chromium	BDL	0.010	mg/l	6010B	02/14/09	1
Lead	BDL	0.0050	mg/l	6010B	02/14/09	1
Magnesium	35.	0.10	mg/l	6010B	02/14/09	1
Potassium	1.8	0.50	mg/l	6010B	02/14/09	1
Selenium	BDL	0.020	mg/l	6010B	02/14/09	1
Silver	BDL	0.010	mg/l	6010B	02/14/09	1
Sodium	65.	0.50	mg/l	6010B	02/14/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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L387947-06 (PH) - 8.3@19.5c

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L387947-04	WG407315	SAMP	pH	R633051	T8
	WG407402	SAMP	4-Bromophenyl-phenylether	R633966	J4
	WG407402	SAMP	4-Chlorophenyl-phenylether	R633966	J4
	WG407402	SAMP	2,4-Dimethylphenol	R633966	J4
L387947-05	WG407315	SAMP	pH	R633051	T8
	WG407402	SAMP	4-Bromophenyl-phenylether	R633966	J4
	WG407402	SAMP	4-Chlorophenyl-phenylether	R633966	J4
	WG407402	SAMP	2,4-Dimethylphenol	R633966	J4
L387947-06	WG407315	SAMP	pH	R633051	T8

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J4	The associated batch QC was outside the established quality control range for accuracy.
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
02/16/09 at 17:31:52

TSR Signing Reports: 134
R1 - Rush: Sameday

Sample: L387947-01 Account: OXYGJCO Received: 02/13/09 09:00 Due Date: 02/13/09 00:00 RPT Date: 02/16/09 17:31
Sample: L387947-02 Account: OXYGJCO Received: 02/13/09 09:00 Due Date: 02/13/09 00:00 RPT Date: 02/16/09 17:31
Sample: L387947-03 Account: OXYGJCO Received: 02/13/09 09:00 Due Date: 02/13/09 00:00 RPT Date: 02/16/09 17:31
Sample: L387947-04 Account: OXYGJCO Received: 02/13/09 09:00 Due Date: 02/16/09 00:00 RPT Date: 02/16/09 17:31
Sample: L387947-05 Account: OXYGJCO Received: 02/13/09 09:00 Due Date: 02/16/09 00:00 RPT Date: 02/16/09 17:31
Sample: L387947-06 Account: OXYGJCO Received: 02/13/09 09:00 Due Date: 02/16/09 00:00 RPT Date: 02/16/09 17:31

Company Name/Address: OXY USA - Grand Junction, CO 760 Horizon Dr., Ste. 170 Grand Junction, CO 81506				Alternate billing information:				Analysis/Container/Preservative <div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);"> * Same Day B260 VOC's PCMH 8 metals Ca, K, mg, N pH 8270 semi VOC chloride, nitrate, nitrite, sulfates, alkalinity PDS Fluoride, methane </div> </div>				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 C127			
Report to: Brett Kenney				Email to: brett@kenneyoxy.com											
Project Description: Hawkins 10-9 and 10-4				City/State Collected: —											
Phone: (970) 263-3601		Client Project #:		ESC Key:											
FAX: —				P.O. #:											
Collected by: Alonso Hernandez		Site/Facility ID#:		P.O. #:											
Collected by (signature): A.H. Hernandez		<input checked="" type="checkbox"/> Rush? (Lab MUST Be Notified) * <input checked="" type="checkbox"/> Same Day 200% <input checked="" type="checkbox"/> Next Day 100% <input type="checkbox"/> Two Day 50% <input type="checkbox"/> Three Day 25%		Date Results Needed: Email? <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Yes FAX? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		No. of Cntrs									
Immediately Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/>															
Sample ID	<input checked="" type="checkbox"/> Grab	Matrix*	Depth	Date	Time	No. of Cntrs									
*1 Downstream Hawkins 10-9	<input checked="" type="checkbox"/>	SW	—	2-12-09	2:19 PM	9									
*2 Upstream West Creek	<input checked="" type="checkbox"/>	SW	—	2-12-09	2:37 PM	9									
*3 Upstream East Creek	<input checked="" type="checkbox"/>	SW	—	2-12-09	3:00 PM	8									

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

Remarks: surface water Flow _____ Other _____

Relinquished by: (Signature) A.H. Hernandez	Date: 2-12-09	Time: 5:15 PM	Received by: (Signature) [Signature]	Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier	Condition: (lab use only)
Relinquished by: (Signature) [Signature]	Date:	Time:	Received by: (Signature) [Signature]	Temp: 37°C	Bottles Received: 26
Relinquished by: (Signature) [Signature]	Date:	Time:	Received for lab by: (Signature) [Signature]	Date: 2/13/09	Time: 0900
				pH Checked: L2	NCF: <input checked="" type="checkbox"/>

ENVIRONMENTAL SCIENCE CORP.

SAMPLE NON-CONFORMANCE FORM

Sample No. : L387947

Date: 2.13.09

Evaluated by: [Signature]

Client: OXYGENCO

Non-Conformance (check applicable items)

- | | |
|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> Chain of Custody is missing | <input checked="" type="checkbox"/> Login Clarification Needed |
| <input type="checkbox"/> Improper container type | <input type="checkbox"/> Improper preservation |
| <input type="checkbox"/> Chain of custody is incomplete | <input type="checkbox"/> Container lid not intact |
| <input type="checkbox"/> Parameter(s) past holding time | <input type="checkbox"/> Improper temperature |
| <input checked="" type="checkbox"/> Broken container(s) see below | <input type="checkbox"/> Broken container: sufficient sample volume remains for analysis requested |
| <input type="checkbox"/> Insufficient packing material around container | |
| <input type="checkbox"/> Insufficient packing material inside cooler | |
| <input type="checkbox"/> Improper handling by carrier (FedEx / UPS / Courier) | |
| <input type="checkbox"/> Sample was frozen | |

Comments: Received one 1 liter Amber, for sample #3 upstream, broken.

Login Instructions:

TSR Initials: MB

Client informed by call ☒ email / fax / voice mail date: 2/13/09 time: 1030

Client contact: Brett K.

- client notified



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Tax I.D. 62-0814289

Est. 1970

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

Grand Junction, CO 81506

Report Summary

Monday February 23, 2009

Report Number: L388866

Samples Received: 02/19/09

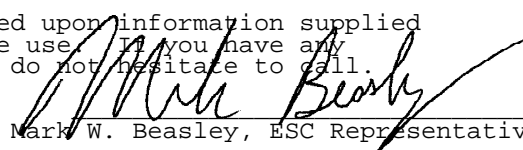
Client Project:

Description: Hawkins 10-9 and 10-4

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, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

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in laboratory standard operating procedures: 060302, 060303, and 060304.



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REPORT OF ANALYSIS

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

February 23, 2009

Date Received : February 19, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : CREEK CROSSING

Collected By : Brett Kennedy
Collection Date : 02/18/09 13:20

ESC Sample # : L388866-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dissolved Solids	520	10.	mg/l	2540C	02/21/09	1
Benzene	BDL	0.00050	mg/l	8021/8015	02/19/09	1
Toluene	BDL	0.0050	mg/l	8021/8015	02/19/09	1
Ethylbenzene	BDL	0.00050	mg/l	8021/8015	02/19/09	1
Total Xylene	BDL	0.0015	mg/l	8021/8015	02/19/09	1
TPH (GC/FID) Low Fraction	BDL	0.10	mg/l	GRO	02/19/09	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	99.6		% Rec.	8021/8015	02/19/09	1
a,a,a-Trifluorotoluene(PID)	104.		% Rec.	8021/8015	02/19/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 02/23/09 10:08 Printed: 02/23/09 10:09



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REPORT OF ANALYSIS

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

February 23, 2009

Date Received : February 19, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : ADJACENT 10-4

Collected By : Brett Kennedy
Collection Date : 02/18/09 13:35

ESC Sample # : L388866-02

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dissolved Solids	520	10.	mg/l	2540C	02/21/09	1
Benzene	BDL	0.00050	mg/l	8021/8015	02/19/09	1
Toluene	BDL	0.0050	mg/l	8021/8015	02/19/09	1
Ethylbenzene	BDL	0.00050	mg/l	8021/8015	02/19/09	1
Total Xylene	BDL	0.0015	mg/l	8021/8015	02/19/09	1
TPH (GC/FID) Low Fraction	BDL	0.10	mg/l	GRO	02/19/09	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	101.		% Rec.	8021/8015	02/19/09	1
a,a,a-Trifluorotoluene(PID)	104.		% Rec.	8021/8015	02/19/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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REPORT OF ANALYSIS

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

February 23, 2009

Date Received : February 19, 2009
Description : Hawkins 10-9 and 10-4
Sample ID : FENCE CROSSING DOWNSTREAM
Collected By : Brett Kennedy
Collection Date : 02/18/09 13:50

ESC Sample # : L388866-03

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.00050	mg/l	8021/8015	02/19/09	1
Toluene	BDL	0.0050	mg/l	8021/8015	02/19/09	1
Ethylbenzene	BDL	0.00050	mg/l	8021/8015	02/19/09	1
Total Xylene	BDL	0.0015	mg/l	8021/8015	02/19/09	1
TPH (GC/FID) Low Fraction	BDL	0.10	mg/l	GRO	02/19/09	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	101.		% Rec.	8021/8015	02/19/09	1
a,a,a-Trifluorotoluene(PID)	104.		% Rec.	8021/8015	02/19/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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REPORT OF ANALYSIS

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

February 23, 2009

Date Received : February 19, 2009
Description : Hawkins 10-9 and 10-4
Sample ID : 1 DOWNSTREAM HAWKINS 10-9
Collected By : Brett Kennedy
Collection Date : 02/18/09 13:10

ESC Sample # : L388866-04

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dissolved Solids	510	10.	mg/l	2540C	02/21/09	1
Benzene	BDL	0.00050	mg/l	8021/8015	02/19/09	1
Toluene	BDL	0.0050	mg/l	8021/8015	02/19/09	1
Ethylbenzene	BDL	0.00050	mg/l	8021/8015	02/19/09	1
Total Xylene	BDL	0.0015	mg/l	8021/8015	02/19/09	1
TPH (GC/FID) Low Fraction	BDL	0.10	mg/l	GRO	02/19/09	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	101.		% Rec.	8021/8015	02/19/09	1
a,a,a-Trifluorotoluene(PID)	104.		% Rec.	8021/8015	02/19/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Reported: 02/23/09 10:08 Printed: 02/23/09 10:09



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REPORT OF ANALYSIS

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

February 23, 2009

Date Received : February 19, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : 2 UPSTREAM WEST CREEK

Collected By : Brett Kennedy
Collection Date : 02/18/09 12:20

ESC Sample # : L388866-05

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dissolved Solids	340	10.	mg/l	2540C	02/21/09	1
Benzene	BDL	0.00050	mg/l	8021/8015	02/19/09	1
Toluene	BDL	0.0050	mg/l	8021/8015	02/19/09	1
Ethylbenzene	BDL	0.00050	mg/l	8021/8015	02/19/09	1
Total Xylene	BDL	0.0015	mg/l	8021/8015	02/19/09	1
TPH (GC/FID) Low Fraction	BDL	0.10	mg/l	GRO	02/19/09	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	101.		% Rec.	8021/8015	02/19/09	1
a,a,a-Trifluorotoluene(PID)	104.		% Rec.	8021/8015	02/19/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 02/23/09 10:08 Printed: 02/23/09 10:09



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REPORT OF ANALYSIS

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

February 23, 2009

Date Received : February 19, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : 3 UPSTREAM EAST CREEK

Collected By : Brett Kennedy
Collection Date : 02/18/09 12:05

ESC Sample # : L388866-06

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dissolved Solids	590	10.	mg/l	2540C	02/21/09	1
Benzene	BDL	0.00050	mg/l	8021/8015	02/19/09	1
Toluene	BDL	0.0050	mg/l	8021/8015	02/19/09	1
Ethylbenzene	BDL	0.00050	mg/l	8021/8015	02/19/09	1
Total Xylene	BDL	0.0015	mg/l	8021/8015	02/19/09	1
TPH (GC/FID) Low Fraction	BDL	0.10	mg/l	GRO	02/19/09	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	101.		% Rec.	8021/8015	02/19/09	1
a,a,a-Trifluorotoluene(PID)	104.		% Rec.	8021/8015	02/19/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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: 02/23/09 10:08 Printed: 02/23/09 10:09

Summary of Remarks For Samples Printed
02/23/09 at 10:09:05

TSR Signing Reports: 134
R4 - Rush: Three Day

Sample: L388866-01 Account: OXYGJCO Received: 02/19/09 09:00 Due Date: 02/24/09 00:00 RPT Date: 02/23/09 10:08
Sample: L388866-02 Account: OXYGJCO Received: 02/19/09 09:00 Due Date: 02/24/09 00:00 RPT Date: 02/23/09 10:08
Sample: L388866-03 Account: OXYGJCO Received: 02/19/09 09:00 Due Date: 02/24/09 00:00 RPT Date: 02/23/09 10:08
Sample: L388866-04 Account: OXYGJCO Received: 02/19/09 09:00 Due Date: 02/24/09 00:00 RPT Date: 02/23/09 10:08
Sample: L388866-05 Account: OXYGJCO Received: 02/19/09 09:00 Due Date: 02/24/09 00:00 RPT Date: 02/23/09 10:08
Sample: L388866-06 Account: OXYGJCO Received: 02/19/09 09:00 Due Date: 02/24/09 00:00 RPT Date: 02/23/09 10:08

Company Name/Address: OXY USA - Grand Junction, CO 2754 Compass Dr., Ste. 170 Grand Junction, CO 81506			Alternate billing information:			Analysis/Container/Preservative			Chain of Custody Page 1 of 1 Prepared by: A118 ENVIRONMENTAL SCIENCE CORP. 12065 Lebanon Road Mt. Juliet, TN 37122 Phone (615) 758-5858 Phone (800) 767-5859 FAX (615) 758-5859		
Report to: Brett Kennedy			Email to: brett.kennedy@oxy.com								
Project Description: Hawkins 10-9 and 10-4			City/State Collected: -								
Phone: (970) 263-3601		Client Project #: -		ESC Key: -							
FAX: -											
Collected by: Brett Kennedy		Site/Facility ID#: -		P.O.#: -							
Collected by (signature): Brett Kennedy		<input checked="" type="checkbox"/> Rush? (Lab MUST Be Notified) Same Day.....200% Next Day.....100% Two Day.....50% <input checked="" type="checkbox"/> 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 BTEX 16 RO TDS			CoCode: OXYGJCO (lab use only) Template/Prelogin Shipped Via:		
Immediately Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/>											
Sample ID	Comp/Grab	Matrix*	Depth	Date	Time				Remarks/Contaminant	Sample # (lab only)	
Creek Crossing	Grab	SW	-	2/18/09	1320	3					1388866-01
Adjacent 10-4			-		1335	3					-02
Fence Crossing - Downstream			-		1350	2					-03
#1 Downstream Hawkins 10-9			-		1310	3					-04
#2 Upstream West Creek			-		1200	3					-05
#3 Upstream East Creek			-		1205	3					-06

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

Remarks: Surface Water Flow _____ Other _____

Relinquished by: (Signature) Brett Kennedy	Date: 2/18/09	Time: 1635	Received by: (Signature) _____	Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier <input type="checkbox"/> _____	Condition: (lab use only) OK
Relinquished by: (Signature) _____	Date: _____	Time: _____	Received by: (Signature) _____	Temp: 4.2°	Bottles Received: 17
Relinquished by: (Signature) _____	Date: _____	Time: _____	Received for lab by: (Signature) Kim Weller	Date: 2/19/09	Time: 0900
				pH Checked: _____	NCF: _____



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Tax I.D. 62-0814289

Est. 1970

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

Grand Junction, CO 81506

Report Summary

Friday March 06, 2009

Report Number: L391106

Samples Received: 03/05/09

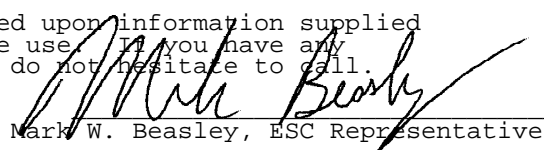
Client Project:

Description: Hawkins 10-9 and 10-7

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, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

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Est. 1970

REPORT OF ANALYSIS

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

March 06, 2009

Date Received : March 05, 2009
Description : Hawkins 10-9 and 10-7

Sample ID : CREEK CROSSING

Collected By : Brett Kennedy
Collection Date : 03/04/09 11:40

ESC Sample # : L391106-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dissolved Solids	500	10.	mg/l	2540C	03/06/09	1
Benzene	BDL	0.00050	mg/l	8021/8015	03/05/09	1
Toluene	BDL	0.0050	mg/l	8021/8015	03/05/09	1
Ethylbenzene	BDL	0.00050	mg/l	8021/8015	03/05/09	1
Total Xylene	0.0022	0.0015	mg/l	8021/8015	03/05/09	1
TPH (GC/FID) Low Fraction	BDL	0.10	mg/l	GRO	03/05/09	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	94.0		% Rec.	8021/8015	03/05/09	1
a,a,a-Trifluorotoluene(PID)	100.		% Rec.	8021/8015	03/05/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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REPORT OF ANALYSIS

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

March 06, 2009

Date Received : March 05, 2009
Description : Hawkins 10-9 and 10-7

Sample ID : ADJACENT 10-4

Collected By : Brett Kennedy
Collection Date : 03/04/09 11:30

ESC Sample # : L391106-02

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dissolved Solids	500	10.	mg/l	2540C	03/06/09	1
Benzene	BDL	0.00050	mg/l	8021/8015	03/05/09	1
Toluene	BDL	0.0050	mg/l	8021/8015	03/05/09	1
Ethylbenzene	BDL	0.00050	mg/l	8021/8015	03/05/09	1
Total Xylene	0.0024	0.0015	mg/l	8021/8015	03/05/09	1
TPH (GC/FID) Low Fraction	BDL	0.10	mg/l	GRO	03/05/09	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	93.7		% Rec.	8021/8015	03/05/09	1
a,a,a-Trifluorotoluene(PID)	100.		% Rec.	8021/8015	03/05/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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REPORT OF ANALYSIS

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

March 06, 2009

Date Received : March 05, 2009
Description : Hawkins 10-9 and 10-7
Sample ID : FENCE CROSSING-DOWNSTREAM
Collected By : Brett Kennedy
Collection Date : 03/04/09 11:20

ESC Sample # : L391106-03

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dissolved Solids	510	10.	mg/l	2540C	03/06/09	1
Benzene	0.00056	0.00050	mg/l	8021/8015	03/05/09	1
Toluene	BDL	0.0050	mg/l	8021/8015	03/05/09	1
Ethylbenzene	BDL	0.00050	mg/l	8021/8015	03/05/09	1
Total Xylene	0.0024	0.0015	mg/l	8021/8015	03/05/09	1
TPH (GC/FID) Low Fraction	BDL	0.10	mg/l	GRO	03/05/09	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	93.5		% Rec.	8021/8015	03/05/09	1
a,a,a-Trifluorotoluene(PID)	99.9		% Rec.	8021/8015	03/05/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Summary of Remarks For Samples Printed
03/06/09 at 15:09:08

TSR Signing Reports: 134
R2 - Rush: Next Day

Sample: L391106-01 Account: OXYGJCO Received: 03/05/09 09:00 Due Date: 03/06/09 00:00 RPT Date: 03/06/09 15:08

Sample: L391106-02 Account: OXYGJCO Received: 03/05/09 09:00 Due Date: 03/06/09 00:00 RPT Date: 03/06/09 15:08

Sample: L391106-03 Account: OXYGJCO Received: 03/05/09 09:00 Due Date: 03/06/09 00:00 RPT Date: 03/06/09 15:08



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

Quality Assurance Report Level II

Grand Junction, CO 81506

L391106

March 06, 2009

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Benzene	< .0005	mg/l			WG410479	03/05/09 14:55
Ethylbenzene	< .0005	mg/l			WG410479	03/05/09 14:55
Toluene	< .005	mg/l			WG410479	03/05/09 14:55
TPH (GC/FID) Low Fraction	< .1	mg/l			WG410479	03/05/09 14:55
a,a,a-Trifluorotoluene(FID)		% Rec.	94.00	62-128	WG410479	03/05/09 14:55
a,a,a-Trifluorotoluene(PID)		% Rec.	101.0	54.8-121.7	WG410479	03/05/09 14:55
Dissolved Solids	< 10	mg/l			WG410491	03/06/09 14:16

Analyte	Units	Duplicate		RPD	Limit	Ref Samp	Batch
		Result	Duplicate				
Dissolved Solids	mg/l	491.	500.	1.82	5	L391106-01	WG410491

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Benzene	mg/l	.05	0.0469	93.8	79-114	WG410479
Ethylbenzene	mg/l	.05	0.0451	90.2	80-116	WG410479
Toluene	mg/l	.05	0.0444	88.7	79-112	WG410479
a,a,a-Trifluorotoluene(PID)				100.1	54.8-121.7	WG410479
TPH (GC/FID) Low Fraction	mg/l	5.5	5.07	92.2	70-124	WG410479
a,a,a-Trifluorotoluene(FID)				111.3	62-128	WG410479
Dissolved Solids	mg/l	8800	8570	97.4	85-115	WG410491

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Benzene	mg/l	0.0472	0.0469	94.0	79-114	0.626	20	WG410479
Ethylbenzene	mg/l	0.0451	0.0451	90.0	80-116	0.0348	20	WG410479
Toluene	mg/l	0.0438	0.0444	88.0	79-112	1.30	20	WG410479
a,a,a-Trifluorotoluene(PID)				100.2	54.8-121.7			WG410479
TPH (GC/FID) Low Fraction	mg/l	4.93	5.07	90.0	70-124	2.80	20	WG410479
a,a,a-Trifluorotoluene(FID)				111.6	62-128			WG410479
Dissolved Solids	mg/l	8620	8570	98.0	85-115	0.558	20	WG410491

Analyte	Units	Matrix Spike			% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res	TV				
Benzene	mg/l	0.0492	0.00	.05	98.4	35-147	L391106-02	WG410479
Ethylbenzene	mg/l	0.0470	0.00	.05	93.9	39-141	L391106-02	WG410479
Toluene	mg/l	0.0458	0.00	.05	91.5	35-148	L391106-02	WG410479
a,a,a-Trifluorotoluene(PID)					99.92	54.8-121.7		WG410479
TPH (GC/FID) Low Fraction	mg/l	4.72	0.00	5.5	85.9	58-122	L391106-02	WG410479
a,a,a-Trifluorotoluene(FID)					110.4	62-128		WG410479

Analyte	Units	Matrix Spike Duplicate			Limit	RPD	Limit	Ref Samp	Batch
		MSD	Ref	%Rec					
Benzene	mg/l	0.0486	0.0492	97.2	35-147	1.20	20	L391106-02	WG410479
Ethylbenzene	mg/l	0.0462	0.0470	92.5	39-141	1.52	20	L391106-02	WG410479
Toluene	mg/l	0.0451	0.0458	90.3	35-148	1.40	20	L391106-02	WG410479
a,a,a-Trifluorotoluene(PID)				99.75	54.8-121.7				WG410479

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

Quality Assurance Report Level II

Grand Junction, CO 81506

L391106

March 06, 2009

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
TPH (GC/FID) Low Fraction	mg/l	4.75	4.72	86.4	58-122	0.601	20	L391106-02	WG410479
a,a,a-Trifluorotoluene(FID)				110.0	62-128				WG410479

Batch number /Run number / Sample number cross reference

WG410479: R660645: L391106-01 02 03

WG410491: R661068: L391106-01 02 03

* * 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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Brett Kennedy
760 Horizon Dr., Ste. 101

Quality Assurance Report Level II

Grand Junction, CO 81506

L391106

March 06, 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. 170 Grand Junction, CO 81506				Alternate billing information:				Analysis/Container/Preservative				Chain of Custody Page 1 of 1 Pr A007 ENVIRONMENTAL SCIENCE CORP. 12065 Lebanon Road Mt. Juliet, TN 37122 Phone (615) 758-5858 Phone (800) 767-5859 FAX (615) 758-5859	
Report to: Brett Kennedy				Email to: brett.kennedy@oay.com									
Project Description: Hawkins 10-9 and 10-4				City/State Collected: —									
Phone: (970) 263-3601		Client Project #: —		ESC Key: —									
FAX: —													
Collected by: Brett Kennedy		Site/Facility ID#: —		P.O.#: —									
Collected by (signature): <i>Brett Kennedy</i> Immediately Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/>		Rush? (Lab MUST Be Notified) <input checked="" type="checkbox"/> Same Day.....200% <input checked="" type="checkbox"/> Next Day.....100% <input type="checkbox"/> Two Day.....50% <input type="checkbox"/> 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		BTEx/610 TDS		CoCode: OXYGJCO (lab use only) Template/Prelogin Shipped Via:			
Sample ID	Comp/Grab	Matrix*	Depth	Date	Time							Remarks/Contaminant	Sample # (lab only)
Rock Crossing	Grab	SAJ	—	3/4/09	1140	3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					639110601
Adjacent 10-4	↓	↓	—	↓	1130	3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					02
Fence Crossing - Downstream	↓	↓	—	↓	1120	3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					03

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

Remarks: **Surface Water** Flow _____ Other _____

Relinquished by: (Signature) <i>Brett Kennedy</i>	Date: 3/4/09	Time: 1215	Received by: (Signature)	Samples returned via: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier	Condition: (lab use only) OK
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.7°	Bottles Received: 9
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) <i>Deborah</i>	Date: 03-05-09	Time: 09:00
				pH Checked:	NCF:

9632-6252-0318



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

Grand Junction, CO 81506

Report Summary

Friday March 13, 2009

Report Number: L392168

Samples Received: 03/12/09

Client Project:

Description: Hawkins 10-9 and 10-4

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:

T. Alan Harvill, 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, 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
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6 Samples Reported: 03/13/09 12:31 Printed: 03/13/09 12:31

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REPORT OF ANALYSIS

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

March 13, 2009

Date Received : March 12, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : CREEK CROSSING

Collected By : Brett Kennedy
Collection Date : 03/11/09 11:05

ESC Sample # : L392168-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.00050	mg/l	8021/8015	03/12/09	1
Toluene	BDL	0.0050	mg/l	8021/8015	03/12/09	1
Ethylbenzene	BDL	0.00050	mg/l	8021/8015	03/12/09	1
Total Xylene	BDL	0.0015	mg/l	8021/8015	03/12/09	1
TPH (GC/FID) Low Fraction	BDL	0.10	mg/l	GRO	03/12/09	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	96.7		% Rec.	8021/8015	03/12/09	1
a,a,a-Trifluorotoluene(PID)	107.		% Rec.	8021/8015	03/12/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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REPORT OF ANALYSIS

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

March 13, 2009

Date Received : March 12, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : ADJACENT 10-4

Collected By : Brett Kennedy
Collection Date : 03/11/09 11:18

ESC Sample # : L392168-02

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.00050	mg/l	8021/8015	03/12/09	1
Toluene	BDL	0.0050	mg/l	8021/8015	03/12/09	1
Ethylbenzene	BDL	0.00050	mg/l	8021/8015	03/12/09	1
Total Xylene	BDL	0.0015	mg/l	8021/8015	03/12/09	1
TPH (GC/FID) Low Fraction	BDL	0.10	mg/l	GRO	03/12/09	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	95.0		% Rec.	8021/8015	03/12/09	1
a,a,a-Trifluorotoluene(PID)	107.		% Rec.	8021/8015	03/12/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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REPORT OF ANALYSIS

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

March 13, 2009

Date Received : March 12, 2009
Description : Hawkins 10-9 and 10-4
Sample ID : FENCE CROSSING DOWNSTREAM
Collected By : Brett Kennedy
Collection Date : 03/11/09 11:28

ESC Sample # : L392168-03

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.00050	mg/l	8021/8015	03/12/09	1
Toluene	BDL	0.0050	mg/l	8021/8015	03/12/09	1
Ethylbenzene	BDL	0.00050	mg/l	8021/8015	03/12/09	1
Total Xylene	BDL	0.0015	mg/l	8021/8015	03/12/09	1
TPH (GC/FID) Low Fraction	BDL	0.10	mg/l	GRO	03/12/09	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	95.0		% Rec.	8021/8015	03/12/09	1
a,a,a-Trifluorotoluene(PID)	106.		% Rec.	8021/8015	03/12/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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REPORT OF ANALYSIS

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

March 13, 2009

Date Received : March 12, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : 2 UPSTREAM WEST CREEK

Collected By : Brett Kennedy
Collection Date : 03/11/09 10:42

ESC Sample # : L392168-04

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.00050	mg/l	8021/8015	03/12/09	1
Toluene	BDL	0.0050	mg/l	8021/8015	03/12/09	1
Ethylbenzene	BDL	0.00050	mg/l	8021/8015	03/12/09	1
Total Xylene	BDL	0.0015	mg/l	8021/8015	03/12/09	1
TPH (GC/FID) Low Fraction	BDL	0.10	mg/l	GRO	03/12/09	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	94.5		% Rec.	8021/8015	03/12/09	1
a,a,a-Trifluorotoluene(PID)	105.		% Rec.	8021/8015	03/12/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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REPORT OF ANALYSIS

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

March 13, 2009

Date Received : March 12, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : 3 UPSTREAM EAST CREEK

Collected By : Brett Kennedy
Collection Date : 03/11/09 10:50

ESC Sample # : L392168-05

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.00050	mg/l	8021/8015	03/12/09	1
Toluene	BDL	0.0050	mg/l	8021/8015	03/12/09	1
Ethylbenzene	BDL	0.00050	mg/l	8021/8015	03/12/09	1
Total Xylene	BDL	0.0015	mg/l	8021/8015	03/12/09	1
TPH (GC/FID) Low Fraction	BDL	0.10	mg/l	GRO	03/12/09	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	93.7		% Rec.	8021/8015	03/12/09	1
a,a,a-Trifluorotoluene(PID)	103.		% Rec.	8021/8015	03/12/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

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

March 13, 2009

Date Received : March 12, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : 4 UPSTREAM 10-9

Collected By : Brett Kennedy
Collection Date : 03/11/09 10:25

ESC Sample # : L392168-06

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.00050	mg/l	8021/8015	03/12/09	1
Toluene	BDL	0.0050	mg/l	8021/8015	03/12/09	1
Ethylbenzene	BDL	0.00050	mg/l	8021/8015	03/12/09	1
Total Xylene	BDL	0.0015	mg/l	8021/8015	03/12/09	1
TPH (GC/FID) Low Fraction	BDL	0.10	mg/l	GRO	03/12/09	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	94.9		% Rec.	8021/8015	03/12/09	1
a,a,a-Trifluorotoluene(PID)	105.		% Rec.	8021/8015	03/12/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Reported: 03/13/09 12:31 Printed: 03/13/09 12:32

Summary of Remarks For Samples Printed
03/13/09 at 12:32:06

TSR Signing Reports: 134
R2 - Rush: Next Day

Sample: L392168-01 Account: OXYGJCO Received: 03/12/09 09:00 Due Date: 03/13/09 00:00 RPT Date: 03/13/09 12:31
Sample: L392168-02 Account: OXYGJCO Received: 03/12/09 09:00 Due Date: 03/13/09 00:00 RPT Date: 03/13/09 12:31
Sample: L392168-03 Account: OXYGJCO Received: 03/12/09 09:00 Due Date: 03/13/09 00:00 RPT Date: 03/13/09 12:31
Sample: L392168-04 Account: OXYGJCO Received: 03/12/09 09:00 Due Date: 03/13/09 00:00 RPT Date: 03/13/09 12:31
Sample: L392168-05 Account: OXYGJCO Received: 03/12/09 09:00 Due Date: 03/13/09 00:00 RPT Date: 03/13/09 12:31
Sample: L392168-06 Account: OXYGJCO Received: 03/12/09 09:00 Due Date: 03/13/09 00:00 RPT Date: 03/13/09 12:31



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

Quality Assurance Report Level II

Grand Junction, CO 81506

L392168

March 13, 2009

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Benzene	< .0005	mg/l			WG411416	03/12/09 05:40
Ethylbenzene	< .0005	mg/l			WG411416	03/12/09 05:40
Toluene	< .005	mg/l			WG411416	03/12/09 05:40
TPH (GC/FID) Low Fraction	< .1	mg/l			WG411416	03/12/09 05:40
a,a,a-Trifluorotoluene(FID)		% Rec.	93.97	62-128	WG411416	03/12/09 05:40
a,a,a-Trifluorotoluene(PID)		% Rec.	102.6	54.8-121.7	WG411416	03/12/09 05:40

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Benzene	mg/l	.05	0.0457	91.5	79-114	WG411416
Ethylbenzene	mg/l	.05	0.0437	87.5	80-116	WG411416
Toluene	mg/l	.05	0.0491	98.3	79-112	WG411416
a,a,a-Trifluorotoluene(PID)				103.6	54.8-121.7	WG411416
TPH (GC/FID) Low Fraction	mg/l	5.5	4.93	89.6	70-124	WG411416
a,a,a-Trifluorotoluene(FID)				117.2	62-128	WG411416

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Benzene	mg/l	0.0467	0.0457	93.0	79-114	2.03	20	WG411416
Ethylbenzene	mg/l	0.0450	0.0437	90.0	80-116	2.80	20	WG411416
Toluene	mg/l	0.0504	0.0491	101.	79-112	2.54	20	WG411416
a,a,a-Trifluorotoluene(PID)				104.0	54.8-121.7			WG411416
TPH (GC/FID) Low Fraction	mg/l	4.74	4.93	86.0	70-124	3.97	20	WG411416
a,a,a-Trifluorotoluene(FID)				116.3	62-128			WG411416

Analyte	Units	Matrix Spike				Limit	Ref Samp	Batch
		MS Res	Ref Res	TV	% Rec			
Benzene	mg/l	0.0451	0.00	.05	90.1	35-147	L392061-22	WG411416
Ethylbenzene	mg/l	0.0432	0.00	.05	86.3	39-141	L392061-22	WG411416
Toluene	mg/l	0.0483	0.00	.05	96.7	35-148	L392061-22	WG411416
a,a,a-Trifluorotoluene(PID)					102.1	54.8-121.7		WG411416
TPH (GC/FID) Low Fraction	mg/l	4.49	0.00	5.5	81.6	55-109	L392061-22	WG411416
a,a,a-Trifluorotoluene(FID)					114.4	62-128		WG411416

Analyte	Units	Matrix Spike Duplicate			Limit	RPD	Limit	Ref Samp	Batch
		MSD	Ref	%Rec					
Benzene	mg/l	0.0461	0.0451	92.1	35-147	2.19	20	L392061-22	WG411416
Ethylbenzene	mg/l	0.0445	0.0432	88.9	39-141	3.00	20	L392061-22	WG411416
Toluene	mg/l	0.0503	0.0483	101.	35-148	3.97	20	L392061-22	WG411416
a,a,a-Trifluorotoluene(PID)				106.1	54.8-121.7				WG411416
TPH (GC/FID) Low Fraction	mg/l	4.51	4.49	81.9	55-109	0.462	20	L392061-22	WG411416
a,a,a-Trifluorotoluene(FID)				115.4	62-128				WG411416

Batch number /Run number / Sample number cross reference

WG411416: R670547: L392168-01 02 03 04 05 06

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

Quality Assurance Report Level II

Grand Junction, CO 81506

L392168

March 13, 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 2754 Compass Dr., Ste. 170 Grand Junction, CO 81506				Alternate billing information:				Analysis/Container/Preservative				Chain of Custody Page 1 of 1 E112 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>Hawkins 10-9 and 10-4</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): <u>Brett Kennedy</u> Immediately Packed on Ice N <u> </u> Y <u> </u>		<input checked="" type="checkbox"/> Rush? (Lab MUST Be Notified) <input type="checkbox"/> Same Day.....200% <input checked="" type="checkbox"/> Next Day.....100% <input type="checkbox"/> Two Day.....50% <input 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									
<u>Creek Crossing</u>		<u>Grab</u>	<u>SW</u>	<u>—</u>	<u>3/11/09</u>	<u>1105</u>	<u>2</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>
<u>Adjacent 10-4</u>		<u>↓</u>	<u>↓</u>	<u>—</u>	<u>↓</u>	<u>1118</u>	<u>2</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>
<u>Fence Crossing - Downstream</u>		<u>↓</u>	<u>↓</u>	<u>—</u>	<u>↓</u>	<u>1128</u>	<u>2</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>
<u>#2 hpsstream West Creek</u>		<u>↓</u>	<u>↓</u>	<u>—</u>	<u>↓</u>	<u>1042</u>	<u>2</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>
<u>#3 hpsstream East Creek</u>		<u>↓</u>	<u>↓</u>	<u>—</u>	<u>↓</u>	<u>1050</u>	<u>2</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>
<u>#4 hpsstream 10-9</u>		<u>↓</u>	<u>↓</u>	<u>—</u>	<u>↓</u>	<u>1045</u>	<u>2</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>

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

Remarks: 9632 6259 3666 Flow Other

Relinquished by: (Signature) <u>Brett Kennedy</u>		Date: <u>3/11/09</u>	Time: <u>1730</u>	Received by: (Signature) <u>Chris Jones</u>		Samples returned via: <input checked="" type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier		Condition: (lab use only) <u> </u>	
Relinquished by: (Signature) <u> </u>		Date: <u> </u>	Time: <u> </u>	Received by: (Signature) <u> </u>		Temp: <u>3.5</u>		Bottles Received: <u>12</u>	
Relinquished by: (Signature) <u> </u>		Date: <u> </u>	Time: <u> </u>	Received for lab by: (Signature) <u> </u>		Date: <u>3.12.09</u>		Time: <u>0900</u>	
						CoC Seals Intact <u> </u> Y <u> </u> N <u> </u> NA <u> </u>		pH Checked: <u> </u> NCF: <u> </u>	



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

Grand Junction, CO 81506

Report Summary

Tuesday March 31, 2009

Report Number: L394971

Samples Received: 03/28/09

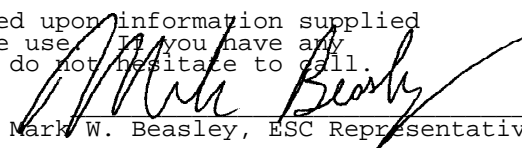
Client Project:

Description: Hawkins 10-9 and 10-4

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, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

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REPORT OF ANALYSIS

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

March 31, 2009

Date Received : March 28, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : CREEK CROSSING

Collected By : Brett Kennedy
Collection Date : 03/27/09 13:10

ESC Sample # : L394971-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dissolved Solids	520	10.	mg/l	2540C	03/31/09	1
Benzene	BDL	0.00050	mg/l	8021/8015	03/30/09	1
Toluene	BDL	0.0050	mg/l	8021/8015	03/30/09	1
Ethylbenzene	BDL	0.00050	mg/l	8021/8015	03/30/09	1
Total Xylene	BDL	0.0015	mg/l	8021/8015	03/30/09	1
TPH (GC/FID) Low Fraction	BDL	0.10	mg/l	GRO	03/30/09	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	99.6		% Rec.	8021/8015	03/30/09	1
a,a,a-Trifluorotoluene(PID)	106.		% Rec.	8021/8015	03/30/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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REPORT OF ANALYSIS

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

March 31, 2009

Date Received : March 28, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : ADJACENT 10-4

Collected By : Brett Kennedy
Collection Date : 03/27/09 13:20

ESC Sample # : L394971-02

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dissolved Solids	510	10.	mg/l	2540C	03/31/09	1
Benzene	BDL	0.00050	mg/l	8021/8015	03/30/09	1
Toluene	BDL	0.0050	mg/l	8021/8015	03/30/09	1
Ethylbenzene	BDL	0.00050	mg/l	8021/8015	03/30/09	1
Total Xylene	BDL	0.0015	mg/l	8021/8015	03/30/09	1
TPH (GC/FID) Low Fraction	BDL	0.10	mg/l	GRO	03/30/09	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	99.5		% Rec.	8021/8015	03/30/09	1
a,a,a-Trifluorotoluene(PID)	106.		% Rec.	8021/8015	03/30/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

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

March 31, 2009

Date Received : March 28, 2009
Description : Hawkins 10-9 and 10-4
Sample ID : FENCE CROSSING-DOWNSTREAM
Collected By : Brett Kennedy
Collection Date : 03/27/09 13:30

ESC Sample # : L394971-03

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dissolved Solids	510	10.	mg/l	2540C	03/31/09	1
Benzene	BDL	0.00050	mg/l	8021/8015	03/31/09	1
Toluene	BDL	0.0050	mg/l	8021/8015	03/31/09	1
Ethylbenzene	BDL	0.00050	mg/l	8021/8015	03/31/09	1
Total Xylene	BDL	0.0015	mg/l	8021/8015	03/31/09	1
TPH (GC/FID) Low Fraction	BDL	0.10	mg/l	GRO	03/31/09	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	99.4		% Rec.	8021/8015	03/31/09	1
a,a,a-Trifluorotoluene(PID)	107.		% Rec.	8021/8015	03/31/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

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

March 31, 2009

Date Received : March 28, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : 2 UPSTREAM WEST CREEK

Collected By : Brett Kennedy
Collection Date : 03/27/09 12:30

ESC Sample # : L394971-04

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dissolved Solids	360	10.	mg/l	2540C	03/31/09	1
Benzene	BDL	0.00050	mg/l	8021/8015	03/30/09	1
Toluene	BDL	0.0050	mg/l	8021/8015	03/30/09	1
Ethylbenzene	BDL	0.00050	mg/l	8021/8015	03/30/09	1
Total Xylene	BDL	0.0015	mg/l	8021/8015	03/30/09	1
TPH (GC/FID) Low Fraction	BDL	0.10	mg/l	GRO	03/30/09	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	87.0		% Rec.	8021/8015	03/30/09	1
a,a,a-Trifluorotoluene(PID)	96.2		% Rec.	8021/8015	03/30/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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REPORT OF ANALYSIS

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

March 31, 2009

Date Received : March 28, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : 3 UPSTREAM EAST CREEK

Collected By : Brett Kennedy
Collection Date : 03/27/09 12:35

ESC Sample # : L394971-05

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.00050	mg/l	8021/8015	03/30/09	1
Toluene	BDL	0.0050	mg/l	8021/8015	03/30/09	1
Ethylbenzene	BDL	0.00050	mg/l	8021/8015	03/30/09	1
Total Xylene	BDL	0.0015	mg/l	8021/8015	03/30/09	1
TPH (GC/FID) Low Fraction	BDL	0.10	mg/l	GRO	03/30/09	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	92.3		% Rec.	8021/8015	03/30/09	1
a,a,a-Trifluorotoluene(PID)	103.		% Rec.	8021/8015	03/30/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Reported: 03/31/09 13:48 Printed: 03/31/09 13:48



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REPORT OF ANALYSIS

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

March 31, 2009

Date Received : March 28, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : 4 UPSTREAM 10-9

Collected By : Brett Kennedy
Collection Date : 03/27/09 12:15

ESC Sample # : L394971-06

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dissolved Solids	350	10.	mg/l	2540C	03/31/09	1
Benzene	BDL	0.00050	mg/l	8021/8015	03/30/09	1
Toluene	BDL	0.0050	mg/l	8021/8015	03/30/09	1
Ethylbenzene	BDL	0.00050	mg/l	8021/8015	03/30/09	1
Total Xylene	BDL	0.0015	mg/l	8021/8015	03/30/09	1
TPH (GC/FID) Low Fraction	BDL	0.10	mg/l	GRO	03/30/09	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	85.2		% Rec.	8021/8015	03/30/09	1
a,a,a-Trifluorotoluene(PID)	93.7		% Rec.	8021/8015	03/30/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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Summary of Remarks For Samples Printed
03/31/09 at 13:48:38

TSR Signing Reports: 134
R4 - Rush: Three Day

Sample: L394971-01 Account: OXYGJCO Received: 03/28/09 09:00 Due Date: 04/01/09 00:00 RPT Date: 03/31/09 13:48
Sample: L394971-02 Account: OXYGJCO Received: 03/28/09 09:00 Due Date: 04/01/09 00:00 RPT Date: 03/31/09 13:48
Sample: L394971-03 Account: OXYGJCO Received: 03/28/09 09:00 Due Date: 04/01/09 00:00 RPT Date: 03/31/09 13:48
Sample: L394971-04 Account: OXYGJCO Received: 03/28/09 09:00 Due Date: 04/01/09 00:00 RPT Date: 03/31/09 13:48
Sample: L394971-05 Account: OXYGJCO Received: 03/28/09 09:00 Due Date: 04/01/09 00:00 RPT Date: 03/31/09 13:48
Sample: L394971-06 Account: OXYGJCO Received: 03/28/09 09:00 Due Date: 04/01/09 00:00 RPT Date: 03/31/09 13:48



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Brett Kennedy
760 Horizon Dr., Ste. 101

Quality Assurance Report Level II

Grand Junction, CO 81506

L394971

March 31, 2009

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Benzene	< .0005	mg/l			WG414320	03/30/09 13:15
Ethylbenzene	< .0005	mg/l			WG414320	03/30/09 13:15
Toluene	< .005	mg/l			WG414320	03/30/09 13:15
TPH (GC/FID) Low Fraction	< .1	mg/l			WG414320	03/30/09 13:15
a,a,a-Trifluorotoluene(FID)		% Rec.	99.10	62-128	WG414320	03/30/09 13:15
a,a,a-Trifluorotoluene(PID)		% Rec.	106.2	54.8-121.7	WG414320	03/30/09 13:15
Benzene	< .0005	mg/l			WG414333	03/30/09 14:00
Ethylbenzene	< .0005	mg/l			WG414333	03/30/09 14:00
Toluene	< .005	mg/l			WG414333	03/30/09 14:00
TPH (GC/FID) Low Fraction	< .1	mg/l			WG414333	03/30/09 14:00
a,a,a-Trifluorotoluene(FID)		% Rec.	86.68	62-128	WG414333	03/30/09 14:00
a,a,a-Trifluorotoluene(PID)		% Rec.	96.85	54.8-121.7	WG414333	03/30/09 14:00
Dissolved Solids	< 10	mg/l			WG414204	03/31/09 12:11

Analyte	Units	Duplicate		RPD	Limit	Ref Samp	Batch
		Result	Duplicate				
Dissolved Solids	mg/l	427.	430.	0.700	5	L394619-14	WG414204

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Benzene	mg/l	.05	0.0536	107.	79-114	WG414320
Ethylbenzene	mg/l	.05	0.0512	102.	80-116	WG414320
Toluene	mg/l	.05	0.0511	102.	79-112	WG414320
a,a,a-Trifluorotoluene(PID)				105.4	54.8-121.7	WG414320
TPH (GC/FID) Low Fraction	mg/l	5.5	5.07	92.2	70-124	WG414320
a,a,a-Trifluorotoluene(FID)				116.4	62-128	WG414320
Benzene	mg/l	.05	0.0458	91.7	79-114	WG414333
Ethylbenzene	mg/l	.05	0.0452	90.4	80-116	WG414333
Toluene	mg/l	.05	0.0509	102.	79-112	WG414333
a,a,a-Trifluorotoluene(PID)				103.7	54.8-121.7	WG414333
TPH (GC/FID) Low Fraction	mg/l	5.5	5.73	104.	70-124	WG414333
a,a,a-Trifluorotoluene(FID)				115.0	62-128	WG414333
Dissolved Solids	mg/l	8800	8540	97.1	85-115	WG414204

Analyte	Units	Laboratory Control Sample Duplicate		Limit	RPD	Limit	Batch	
		Result	Ref %Rec					
Benzene	mg/l	0.0543	0.0536	109.	79-114	1.22	20	WG414320
Ethylbenzene	mg/l	0.0513	0.0512	103.	80-116	0.0844	20	WG414320
Toluene	mg/l	0.0513	0.0511	103.	79-112	0.286	20	WG414320
a,a,a-Trifluorotoluene(PID)				104.9	54.8-121.7			WG414320
TPH (GC/FID) Low Fraction	mg/l	5.10	5.07	93.0	70-124	0.554	20	WG414320
a,a,a-Trifluorotoluene(FID)				117.0	62-128			WG414320
TPH (GC/FID) Low Fraction	mg/l	5.38	5.73	98.0	70-124	6.33	20	WG414333
a,a,a-Trifluorotoluene(FID)				110.5	62-128			WG414333
Benzene	mg/l	0.0479	0.0458	96.0	79-114	4.44	20	WG414333

* 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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Brett Kennedy
760 Horizon Dr., Ste. 101

Quality Assurance Report Level II

Grand Junction, CO 81506

March 31, 2009

L394971

Analyte	Units	Laboratory Control		Sample Duplicate		Limit	RPD	Limit	Batch
		Result	Ref	%Rec					
Ethylbenzene	mg/l	0.0475	0.0452	95.0		80-116	4.83	20	WG414333
Toluene	mg/l	0.0524	0.0509	105.		79-112	2.92	20	WG414333
a,a,a-Trifluorotoluene(PID)				102.0		54.8-121.7			WG414333
Dissolved Solids	mg/l	8560	8540	97.0		85-115	0.187	20	WG414204

Analyte	Units	Matrix Spike		TV	% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res					
Benzene	mg/l	0.0514	0.00	.05	103.	35-147	L394180-06	WG414320
Ethylbenzene	mg/l	0.0496	0.00	.05	99.2	39-141	L394180-06	WG414320
Toluene	mg/l	0.0492	0.00	.05	98.3	35-148	L394180-06	WG414320
a,a,a-Trifluorotoluene(PID)					106.2	54.8-121.7		WG414320
TPH (GC/FID) Low Fraction	mg/l	4.26	0.00	5.5	77.4	55-109	L394180-06	WG414320
a,a,a-Trifluorotoluene(FID)					113.8	62-128		WG414320
Benzene	mg/l	0.0437	0.00	.05	87.4	35-147	L394180-01	WG414333
Ethylbenzene	mg/l	0.0426	0.00	.05	85.1	39-141	L394180-01	WG414333
Toluene	mg/l	0.0481	0.00	.05	96.1	35-148	L394180-01	WG414333
a,a,a-Trifluorotoluene(PID)					101.5	54.8-121.7		WG414333
TPH (GC/FID) Low Fraction	mg/l	4.29	0.00	5.5	77.9	55-109	L394180-01	WG414333
a,a,a-Trifluorotoluene(FID)					111.5	62-128		WG414333

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
Benzene	mg/l	0.0552	0.0514	110.	35-147	7.09	20	L394180-06	WG414320
Ethylbenzene	mg/l	0.0531	0.0496	106.	39-141	6.85	20	L394180-06	WG414320
Toluene	mg/l	0.0533	0.0492	107.	35-148	8.01	20	L394180-06	WG414320
a,a,a-Trifluorotoluene(PID)				106.1	54.8-121.7				WG414320
TPH (GC/FID) Low Fraction	mg/l	4.79	4.26	87.2	55-109	11.9	20	L394180-06	WG414320
a,a,a-Trifluorotoluene(FID)				115.7	62-128				WG414320
Benzene	mg/l	0.0493	0.0437	98.6	35-147	12.0	20	L394180-01	WG414333
Ethylbenzene	mg/l	0.0485	0.0426	97.1	39-141	13.1	20	L394180-01	WG414333
Toluene	mg/l	0.0544	0.0481	109.	35-148	12.4	20	L394180-01	WG414333
a,a,a-Trifluorotoluene(PID)				99.53	54.8-121.7				WG414333
TPH (GC/FID) Low Fraction	mg/l	5.18	4.29	94.1	55-109	18.8	20	L394180-01	WG414333
a,a,a-Trifluorotoluene(FID)				110.2	62-128				WG414333

Batch number /Run number / Sample number cross reference

WG414320: R688786: L394971-01 02 03
WG414333: R689407: L394971-04 05 06
WG414204: R689476: L394971-01 02 03 04 06

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

Quality Assurance Report Level II

Grand Junction, CO 81506

L394971

March 31, 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 2754 Compass Dr.. Ste. 170 Grand Junction.CO 81506				Alternate billing information:				Analysis/Container/Preservative				Chain of Custody Page <u>1</u> of <u>1</u> E098 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>Hawkins 10-9 and 10-4</u>				City/State Collected: <u> </u>									
Phone: <u>(970) 263-3601</u>		Client Project #: <u> </u>		ESC Key: <u> </u>									
FAX: <u> </u>													
Collected by: <u>Brett Kennedy</u>		Site/Facility ID#: <u> </u>		P.O.#: <u> </u>									
Collected by (signature): <u>Brett Kennedy</u>		<input checked="" type="checkbox"/> 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? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes FAX? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		No. of Cntrs		BTEX/TPH (6KO) TDS					
Immediately Packed on Ice N <u> </u> Y <input checked="" type="checkbox"/>													
Sample ID	Comp/Grab	Matrix*	Depth	Date	Time							Remarks/Contaminant	Sample # (lab only)
Creek Crossing	Grab	SW	-	3/27/09	1310	3	✓	✓					L39457101
Adjacent 10-4	Grab	↓	-	↓	1320	28	✓	✓					L394971
Fence Crossing - Downstream	Grab	↓	-	↓	1330	3	✓	✓					03
#2 Upstream West Creek	Grab	↓	-	↓	1230	3	✓	✓					04
#3 Upstream East Creek	Grab	↓	-	↓	1235	2	✓	✓					05
#4 Upstream 10-9	Grab	↓	-	↓	1215	3	✓	✓					06
													07

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

Remarks:

Surface Water
8657 5534 1356

pH Temp

Flow Other

Relinquished by: (Signature) <u>Brett Kennedy</u>	Date: <u>3/27/09</u>	Time: <u>1200</u>	Received by: (Signature) <u> </u>	Samples returned via: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier	Condition: (lab use only)
	Relinquished by: (Signature) <u> </u>	Date: <u> </u>	Time: <u> </u>	Received by: (Signature) <u> </u>	Temp: <u>3.2°C</u>
Relinquished by: (Signature) <u> </u>	Date: <u> </u>	Time: <u> </u>	Received for lab by: (Signature) <u>Christopher Jones</u>	Date: <u>3-28-09</u>	Time: <u>0900</u> pH Checked: <u> </u> NCF: <u> </u>

Mark Beasley

ENVIRONMENTAL SCIENCE CORP.

SAMPLE NON-CONFORMANCE FORM

Login No. : L394971

Date: 3.28.09

Evaluated by: Chris Jones

Client: ~~OX/6TPG J~~ OXY/6JCO

Non-Conformance (check applicable items)

- | | |
|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> Chain of Custody is missing | <input type="checkbox"/> Login Clarification Needed |
| <input type="checkbox"/> Improper container type | <input type="checkbox"/> Improper preservation |
| <input type="checkbox"/> Chain of custody is incomplete | <input type="checkbox"/> Container lid not intact |
| <input type="checkbox"/> Parameter(s) past holding time | <input type="checkbox"/> Improper temperature |
| <input type="checkbox"/> Broken container(s) see below | <input checked="" type="checkbox"/> Broken container: sufficient sample volume remains for analysis requested |
| <input type="checkbox"/> Insufficient packing material around container | |
| <input type="checkbox"/> Insufficient packing material inside cooler | |
| <input type="checkbox"/> Improper handling by carrier (FedEx / UPS / Courier) | |
| <input type="checkbox"/> Sample was frozen | |

Comments: ^① Received one broken vial for Adjacent 10.4
^② TDS marked for 30Pstream East Creek. no NO Contaminants

Login Instructions:

TSR Initials: MB

Client informed by call / email / fax / voice mail date: 3/30/09 time: 0915

Client contact: Brett K.

- 1) Run from unbroken vial
- 2) Disregard TDS



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

Grand Junction, CO 81506

Report Summary

Wednesday April 29, 2009

Report Number: L399423

Samples Received: 04/25/09

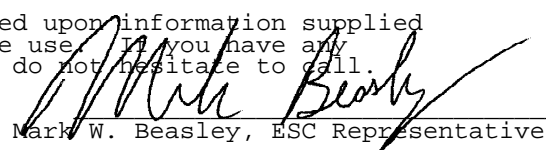
Client Project:

Description: Hawkins 10-9 and 10-7

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, 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
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REPORT OF ANALYSIS

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

April 29, 2009

Date Received : April 25, 2009
Description : Hawkins 10-9 and 10-7

Sample ID : CREEK CROSSING

Collected By : Brett Kennedy
Collection Date : 04/23/09 15:25

ESC Sample # : L399423-01

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00016	0.00050	mg/l		8021/80	04/28/09	1
Toluene	U	0.0016	0.0050	mg/l		8021/80	04/28/09	1
Ethylbenzene	U	0.00016	0.00050	mg/l		8021/80	04/28/09	1
Total Xylene	U	0.00050	0.0015	mg/l		8021/80	04/28/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	04/28/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	90.2			% Rec.		8021/80	04/28/09	1
a,a,a-Trifluorotoluene(PID)	96.2			% Rec.		8021/80	04/28/09	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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Reported: 04/29/09 11:02 Printed: 04/29/09 11:03



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REPORT OF ANALYSIS

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

April 29, 2009

Date Received : April 25, 2009
Description : Hawkins 10-9 and 10-7

Sample ID : ADJACENT 10-4

Collected By : Brett Kennedy
Collection Date : 04/23/09 15:40

ESC Sample # : L399423-02

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00016	0.00050	mg/l		8021/80	04/28/09	1
Toluene	U	0.0016	0.0050	mg/l		8021/80	04/28/09	1
Ethylbenzene	U	0.00016	0.00050	mg/l		8021/80	04/28/09	1
Total Xylene	U	0.00050	0.0015	mg/l		8021/80	04/28/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	04/28/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	98.3			% Rec.		8021/80	04/28/09	1
a,a,a-Trifluorotoluene(PID)	104.			% Rec.		8021/80	04/28/09	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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Reported: 04/29/09 11:02 Printed: 04/29/09 11:03



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REPORT OF ANALYSIS

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

April 29, 2009

Date Received : April 25, 2009
Description : Hawkins 10-9 and 10-7
Sample ID : FENCE CROSSING-DOWNSTREAM
Collected By : Brett Kennedy
Collection Date : 04/23/09 16:35

ESC Sample # : L399423-03

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00016	0.00050	mg/l		8021/80	04/28/09	1
Toluene	U	0.0016	0.0050	mg/l		8021/80	04/28/09	1
Ethylbenzene	U	0.00016	0.00050	mg/l		8021/80	04/28/09	1
Total Xylene	U	0.00050	0.0015	mg/l		8021/80	04/28/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	04/28/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	102.			% Rec.		8021/80	04/28/09	1
a,a,a-Trifluorotoluene(PID)	108.			% Rec.		8021/80	04/28/09	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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Est. 1970

REPORT OF ANALYSIS

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

April 29, 2009

Date Received : April 25, 2009
Description : Hawkins 10-9 and 10-7

Sample ID : 2 UPSTREAM WEST CREEK

Collected By : Brett Kennedy
Collection Date : 04/23/09 13:50

ESC Sample # : L399423-04

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00016	0.00050	mg/l		8021/80	04/28/09	1
Toluene	U	0.0016	0.0050	mg/l		8021/80	04/28/09	1
Ethylbenzene	U	0.00016	0.00050	mg/l		8021/80	04/28/09	1
Total Xylene	U	0.00050	0.0015	mg/l		8021/80	04/28/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	04/28/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	99.7			% Rec.		8021/80	04/28/09	1
a,a,a-Trifluorotoluene(PID)	106.			% Rec.		8021/80	04/28/09	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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REPORT OF ANALYSIS

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

April 29, 2009

Date Received : April 25, 2009
Description : Hawkins 10-9 and 10-7

Sample ID : 3 UPSTREAM EAST CREEK

Collected By : Brett Kennedy
Collection Date : 04/23/09 14:03

ESC Sample # : L399423-05

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00016	0.00050	mg/l		8021/80	04/28/09	1
Toluene	U	0.0016	0.0050	mg/l		8021/80	04/28/09	1
Ethylbenzene	U	0.00016	0.00050	mg/l		8021/80	04/28/09	1
Total Xylene	U	0.00050	0.0015	mg/l		8021/80	04/28/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	04/28/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	99.2			% Rec.		8021/80	04/28/09	1
a,a,a-Trifluorotoluene(PID)	106.			% Rec.		8021/80	04/28/09	1

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MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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REPORT OF ANALYSIS

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

April 29, 2009

Date Received : April 25, 2009
Description : Hawkins 10-9 and 10-7

Sample ID : 4 UPSTREAM 10-9

Collected By : Brett Kennedy
Collection Date : 04/23/09 14:10

ESC Sample # : L399423-06

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00016	0.00050	mg/l		8021/80	04/28/09	1
Toluene	U	0.0016	0.0050	mg/l		8021/80	04/28/09	1
Ethylbenzene	U	0.00016	0.00050	mg/l		8021/80	04/28/09	1
Total Xylene	U	0.00050	0.0015	mg/l		8021/80	04/28/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	04/28/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	103.			% Rec.		8021/80	04/28/09	1
a,a,a-Trifluorotoluene(PID)	109.			% Rec.		8021/80	04/28/09	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

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

April 29, 2009

Date Received : April 25, 2009
Description : Hawkins 10-9 and 10-7

Sample ID : 10-4 SEEP-S

Collected By : Brett Kennedy
Collection Date : 04/23/09 14:30

ESC Sample # : L399423-07

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00016	0.00050	mg/l		8021/80	04/28/09	1
Toluene	U	0.0016	0.0050	mg/l		8021/80	04/28/09	1
Ethylbenzene	U	0.00016	0.00050	mg/l		8021/80	04/28/09	1
Total Xylene	U	0.00050	0.0015	mg/l		8021/80	04/28/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	04/28/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	100.			% Rec.		8021/80	04/28/09	1
a,a,a-Trifluorotoluene(PID)	107.			% Rec.		8021/80	04/28/09	1

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MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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REPORT OF ANALYSIS

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

April 29, 2009

Date Received : April 25, 2009
Description : Hawkins 10-9 and 10-7

Sample ID : 10-4 SPR-NW

Collected By : Brett Kennedy
Collection Date : 04/23/09 14:58

ESC Sample # : L399423-08

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00016	0.00050	mg/l		8021/80	04/28/09	1
Toluene	U	0.0016	0.0050	mg/l		8021/80	04/28/09	1
Ethylbenzene	U	0.00016	0.00050	mg/l		8021/80	04/28/09	1
Total Xylene	0.00066	0.00050	0.0015	mg/l	J	8021/80	04/28/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	04/28/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	99.7			% Rec.		8021/80	04/28/09	1
a,a,a-Trifluorotoluene(PID)	106.			% Rec.		8021/80	04/28/09	1

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MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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REPORT OF ANALYSIS

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

April 29, 2009

Date Received : April 25, 2009
Description : Hawkins 10-9 and 10-7

Sample ID : 10-4 SPR-E-A

Collected By : Brett Kennedy
Collection Date : 04/23/09 15:55

ESC Sample # : L399423-09

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00016	0.00050	mg/l		8021/80	04/28/09	1
Toluene	U	0.0016	0.0050	mg/l		8021/80	04/28/09	1
Ethylbenzene	0.00017	0.00016	0.00050	mg/l	J	8021/80	04/28/09	1
Total Xylene	0.00060	0.00050	0.0015	mg/l	J	8021/80	04/28/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	04/28/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	93.7			% Rec.		8021/80	04/28/09	1
a,a,a-Trifluorotoluene(PID)	99.8			% Rec.		8021/80	04/28/09	1

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REPORT OF ANALYSIS

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

April 29, 2009

Date Received : April 25, 2009
Description : Hawkins 10-9 and 10-7

Sample ID : 10-4 SPR-E BANDC

Collected By : Brett Kennedy
Collection Date : 04/23/09 16:20

ESC Sample # : L399423-10

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00016	0.00050	mg/l		8021/80	04/28/09	1
Toluene	U	0.0016	0.0050	mg/l		8021/80	04/28/09	1
Ethylbenzene	0.00024	0.00016	0.00050	mg/l	J	8021/80	04/28/09	1
Total Xylene	0.0011	0.00050	0.0015	mg/l	J	8021/80	04/28/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	04/28/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	101.			% Rec.		8021/80	04/28/09	1
a,a,a-Trifluorotoluene(PID)	107.			% Rec.		8021/80	04/28/09	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L399423-08	WG418802	SAMP	Total Xylene	R719070	J
L399423-09	WG418802	SAMP	Ethylbenzene	R719070	J
	WG418802	SAMP	Total Xylene	R719070	J
L399423-10	WG418802	SAMP	Ethylbenzene	R719070	J
	WG418802	SAMP	Total Xylene	R719070	J

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
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
04/29/09 at 11:03:12

TSR Signing Reports: 134
R5 - Desired TAT

Sample: L399423-01 Account: OXYGJCO Received: 04/25/09 09:00 Due Date: 05/01/09 00:00 RPT Date: 04/29/09 11:02
Sample: L399423-02 Account: OXYGJCO Received: 04/25/09 09:00 Due Date: 05/01/09 00:00 RPT Date: 04/29/09 11:02
Sample: L399423-03 Account: OXYGJCO Received: 04/25/09 09:00 Due Date: 05/01/09 00:00 RPT Date: 04/29/09 11:02
Sample: L399423-04 Account: OXYGJCO Received: 04/25/09 09:00 Due Date: 05/01/09 00:00 RPT Date: 04/29/09 11:02
Sample: L399423-05 Account: OXYGJCO Received: 04/25/09 09:00 Due Date: 05/01/09 00:00 RPT Date: 04/29/09 11:02
Sample: L399423-06 Account: OXYGJCO Received: 04/25/09 09:00 Due Date: 05/01/09 00:00 RPT Date: 04/29/09 11:02
Sample: L399423-07 Account: OXYGJCO Received: 04/25/09 09:00 Due Date: 05/01/09 00:00 RPT Date: 04/29/09 11:02
Sample: L399423-08 Account: OXYGJCO Received: 04/25/09 09:00 Due Date: 05/01/09 00:00 RPT Date: 04/29/09 11:02
Sample: L399423-09 Account: OXYGJCO Received: 04/25/09 09:00 Due Date: 05/01/09 00:00 RPT Date: 04/29/09 11:02
Sample: L399423-10 Account: OXYGJCO Received: 04/25/09 09:00 Due Date: 05/01/09 00:00 RPT Date: 04/29/09 11:02



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

Quality Assurance Report Level II

Grand Junction, CO 81506

L399423

April 29, 2009

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Benzene	< .0005	mg/l			WG418802	04/28/09 04:40
Ethylbenzene	< .0005	mg/l			WG418802	04/28/09 04:40
Toluene	< .005	mg/l			WG418802	04/28/09 04:40
a,a,a-Trifluorotoluene(FID)		% Rec.	101.1	62-128	WG418802	04/28/09 04:40
a,a,a-Trifluorotoluene(PID)		% Rec.	107.7	54.8-121.7	WG418802	04/28/09 04:40

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Benzene	mg/l	.05	0.0435	87.1	79-114	WG418802
Ethylbenzene	mg/l	.05	0.0426	85.2	80-116	WG418802
Toluene	mg/l	.05	0.0426	85.2	79-112	WG418802
a,a,a-Trifluorotoluene(PID)				105.6	54.8-121.7	WG418802

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Benzene	mg/l	0.0488	0.0435	98.0	79-114	11.3	20	WG418802
Ethylbenzene	mg/l	0.0478	0.0426	96.0	80-116	11.6	20	WG418802
Toluene	mg/l	0.0475	0.0426	95.0	79-112	11.0	20	WG418802
a,a,a-Trifluorotoluene(PID)				102.9	54.8-121.7			WG418802

Analyte	Units	Matrix Spike			% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res	TV				
Benzene	mg/l	0.0436	0.00	.05	87.2	35-147	L399167-11	WG418802
Ethylbenzene	mg/l	0.0438	0.00	.05	87.6	39-141	L399167-11	WG418802
Toluene	mg/l	0.0434	0.00	.05	86.8	35-148	L399167-11	WG418802
a,a,a-Trifluorotoluene(PID)					105.3	54.8-121.7		WG418802

Analyte	Units	Matrix Spike Duplicate			Limit	RPD	Limit	Ref Samp	Batch
		MSD	Ref	%Rec					
Benzene	mg/l	0.0484	0.0436	96.7	35-147	10.4	20	L399167-11	WG418802
Ethylbenzene	mg/l	0.0488	0.0438	97.5	39-141	10.7	20	L399167-11	WG418802
Toluene	mg/l	0.0484	0.0434	96.8	35-148	10.9	20	L399167-11	WG418802
a,a,a-Trifluorotoluene(PID)				103.1	54.8-121.7				WG418802

Batch number /Run number / Sample number cross reference

WG418802: R719070: L399423-01 02 03 04 05 06 07 08 09 10

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

Quality Assurance Report Level II

Grand Junction, CO 81506

L399423

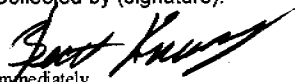
April 29, 2009

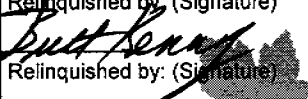


The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the 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 1 of 1 Prepared by: A149 ENVIRONMENTAL SCIENCE CORP. 12065 Lebanon Road Mt. Juliet, TN 37122 Phone (615) 758-5858 Phone (800) 767-5859 FAX (615) 758-5859	
Report to: Brett Kennedy			Email to: brett.kennedy@oxy.com			BTEX 1600					
Project Description: Hawkins 10-9 and 10-7			City/State Collected: —								
Phone: (970) 263-3601		Client Project #:		ESC Key: —							
FAX:		Site/Facility ID#:		P.O.#:							
Collected by: Brett Kennedy											
Collected by (signature): 		<input checked="" type="checkbox"/> Rush? (Lab MUST Be Notified) <input type="checkbox"/> Same Day.....200% <input type="checkbox"/> Next Day.....100% <input type="checkbox"/> Two Day.....50% <input type="checkbox"/> 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		CoCode: OXYGJCO (lab use only) Template/Prelogin Shipped Via:			
Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/>											
Sample ID	Comp/Grab	Matrix*	Depth	Date	Time						
Creek Crossing	Grab	SW	—	4/12/09	1505	2	✓				
Majorant 10-4	↓	↓	—	↓	1540	2	✓				
Fence Crossing Downstream	↓	↓	—	↓	1635	2	✓				
#2 Upstream West Creek	↓	↓	—	↓	1350	2	✓				
#3 Upstream East Creek	↓	↓	—	↓	1403	2	✓				
#4 Upstream 10-9	↓	↓	—	↓	1410	2	✓				
10-4 Soap-S	↓	↓	—	↓	1430	2	✓				
10-4 Spr - NW	↓	↓	—	↓	1458	2	✓				
10-4 Spr - E - A	↓	↓	—	↓	1555	2	✓				
*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other SW								pH _____ Temp _____			
Remarks: Surface Water								8648 48060369 Flow _____ Other _____			

Relinquished by: (Signature) 	Date: 4/12/09	Time: 0855	Received by: (Signature) 	Samples returned via: <input checked="" type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier	Condition: (lab use only) 
Relinquished by: (Signature)	Date:	Time: 1411	Received by: (Signature)	Temp: 4.0°C	Bottles Received: 20
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) Kim Wallace	Date: 4/25/09	Time: 0900
				pH Checked:	NCF:



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Est. 1970

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

Grand Junction, CO 81506

Report Summary

Friday June 12, 2009

Report Number: L406332

Samples Received: 06/06/09

Client Project:

Description: Hawkins 10-9 and 10-4

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


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

10 Samples Reported: 06/12/09 10:13 Printed: 06/12/09 13:08

Page 1 of 11



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REPORT OF ANALYSIS

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

June 12, 2009

Date Received : June 06, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : 4 UPSTREAM 10-9

Collected By : Brett Kennedy
Collection Date : 06/04/09 14:50

ESC Sample # : L406332-01

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00016	0.00050	mg/l		8021/80	06/11/09	1
Toluene	U	0.0016	0.0050	mg/l		8021/80	06/11/09	1
Ethylbenzene	U	0.00016	0.00050	mg/l		8021/80	06/11/09	1
Total Xylene	U	0.00050	0.0015	mg/l		8021/80	06/11/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	06/11/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	93.6			% Rec.		8021/80	06/11/09	1
a,a,a-Trifluorotoluene(PID)	101.			% Rec.		8021/80	06/11/09	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

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

June 12, 2009

Date Received : June 06, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : 2 UPSTREAM W CREEK

Collected By : Brett Kennedy
Collection Date : 06/04/09 15:02

ESC Sample # : L406332-02

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00016	0.00050	mg/l		8021/80	06/12/09	1
Toluene	U	0.0016	0.0050	mg/l		8021/80	06/12/09	1
Ethylbenzene	U	0.00016	0.00050	mg/l		8021/80	06/12/09	1
Total Xylene	U	0.00050	0.0015	mg/l		8021/80	06/12/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	06/12/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	93.2			% Rec.		8021/80	06/12/09	1
a,a,a-Trifluorotoluene(PID)	98.4			% Rec.		8021/80	06/12/09	1

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RDL = Reported Detection Limit = LOQ = PQL = EQL

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REPORT OF ANALYSIS

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

June 12, 2009

Date Received : June 06, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : 3 UPSTREAM E CREEK

Collected By : Brett Kennedy
Collection Date : 06/04/09 15:09

ESC Sample # : L406332-03

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00016	0.00050	mg/l		8021/80	06/12/09	1
Toluene	U	0.0016	0.0050	mg/l		8021/80	06/12/09	1
Ethylbenzene	U	0.00016	0.00050	mg/l		8021/80	06/12/09	1
Total Xylene	U	0.00050	0.0015	mg/l		8021/80	06/12/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	06/12/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	93.6			% Rec.		8021/80	06/12/09	1
a,a,a-Trifluorotoluene(PID)	98.4			% Rec.		8021/80	06/12/09	1

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REPORT OF ANALYSIS

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

June 12, 2009

Date Received : June 06, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : CREEK CROSSING

Collected By : Brett Kennedy
Collection Date : 06/04/09 15:54

ESC Sample # : L406332-04

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00016	0.00050	mg/l		8021/80	06/12/09	1
Toluene	U	0.0016	0.0050	mg/l		8021/80	06/12/09	1
Ethylbenzene	U	0.00016	0.00050	mg/l		8021/80	06/12/09	1
Total Xylene	U	0.00050	0.0015	mg/l		8021/80	06/12/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	06/12/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	93.9			% Rec.		8021/80	06/12/09	1
a,a,a-Trifluorotoluene(PID)	99.6			% Rec.		8021/80	06/12/09	1

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RDL = Reported Detection Limit = LOQ = PQL = EQL

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REPORT OF ANALYSIS

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

June 12, 2009

Date Received : June 06, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : ADJACENT 10-4

Collected By : Brett Kennedy
Collection Date : 06/04/09 16:00

ESC Sample # : L406332-05

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00016	0.00050	mg/l		8021/80	06/12/09	1
Toluene	U	0.0016	0.0050	mg/l		8021/80	06/12/09	1
Ethylbenzene	U	0.00016	0.00050	mg/l		8021/80	06/12/09	1
Total Xylene	U	0.00050	0.0015	mg/l		8021/80	06/12/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	06/12/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	93.4			% Rec.		8021/80	06/12/09	1
a,a,a-Trifluorotoluene(PID)	99.8			% Rec.		8021/80	06/12/09	1

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RDL = Reported Detection Limit = LOQ = PQL = EQL

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REPORT OF ANALYSIS

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

June 12, 2009

Date Received : June 06, 2009
Description : Hawkins 10-9 and 10-4
Sample ID : FENCE CROSSING-DOWNSTREAM
Collected By : Brett Kennedy
Collection Date : 06/04/09 16:15

ESC Sample # : L406332-06

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00016	0.00050	mg/l		8021/80	06/09/09	1
Toluene	U	0.0016	0.0050	mg/l		8021/80	06/09/09	1
Ethylbenzene	U	0.00016	0.00050	mg/l		8021/80	06/09/09	1
Total Xylene	U	0.00050	0.0015	mg/l		8021/80	06/09/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	06/11/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	93.9			% Rec.		8021/80	06/11/09	1
a,a,a-Trifluorotoluene(PID)	102.			% Rec.		8021/80	06/09/09	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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REPORT OF ANALYSIS

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

June 12, 2009

Date Received : June 06, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : 10-4 SEEP-S

Collected By : Brett Kennedy
Collection Date : 06/04/09 15:20

ESC Sample # : L406332-07

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00016	0.00050	mg/l		8021/80	06/09/09	1
Toluene	U	0.0016	0.0050	mg/l		8021/80	06/09/09	1
Ethylbenzene	U	0.00016	0.00050	mg/l		8021/80	06/09/09	1
Total Xylene	U	0.00050	0.0015	mg/l		8021/80	06/09/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	06/11/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	93.2			% Rec.		8021/80	06/11/09	1
a,a,a-Trifluorotoluene(PID)	102.			% Rec.		8021/80	06/09/09	1

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MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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REPORT OF ANALYSIS

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

June 12, 2009

Date Received : June 06, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : 10-4 SPRING-NW

Collected By : Brett Kennedy
Collection Date : 06/04/09 15:40

ESC Sample # : L406332-08

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00016	0.00050	mg/l		8021/80	06/09/09	1
Toluene	U	0.0016	0.0050	mg/l		8021/80	06/09/09	1
Ethylbenzene	U	0.00016	0.00050	mg/l		8021/80	06/09/09	1
Total Xylene	U	0.00050	0.0015	mg/l		8021/80	06/09/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	06/11/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	94.0			% Rec.		8021/80	06/11/09	1
a,a,a-Trifluorotoluene(PID)	101.			% Rec.		8021/80	06/09/09	1

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MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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REPORT OF ANALYSIS

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

June 12, 2009

Date Received : June 06, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : 10-4 SPRING-E-A

Collected By : Brett Kennedy
Collection Date : 06/04/09 16:06

ESC Sample # : L406332-09

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00016	0.00050	mg/l		8021/80	06/09/09	1
Toluene	U	0.0016	0.0050	mg/l		8021/80	06/09/09	1
Ethylbenzene	U	0.00016	0.00050	mg/l		8021/80	06/09/09	1
Total Xylene	U	0.00050	0.0015	mg/l		8021/80	06/09/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	06/09/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	94.9			% Rec.		8021/80	06/09/09	1
a,a,a-Trifluorotoluene(PID)	99.8			% Rec.		8021/80	06/09/09	1

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RDL = Reported Detection Limit = LOQ = PQL = EQL

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REPORT OF ANALYSIS

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

June 12, 2009

Date Received : June 06, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : 10-4 SPRING-E-B AND C

Collected By : Brett Kennedy
Collection Date : 06/04/09 16:12

ESC Sample # : L406332-10

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00016	0.00050	mg/l		8021/80	06/09/09	1
Toluene	U	0.0016	0.0050	mg/l		8021/80	06/09/09	1
Ethylbenzene	U	0.00016	0.00050	mg/l		8021/80	06/09/09	1
Total Xylene	U	0.00050	0.0015	mg/l		8021/80	06/09/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	06/09/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	94.7			% Rec.		8021/80	06/09/09	1
a,a,a-Trifluorotoluene(PID)	102.			% Rec.		8021/80	06/09/09	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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Reported: 06/12/09 10:13 Printed: 06/12/09 13:08

Summary of Remarks For Samples Printed
06/12/09 at 13:08:48

TSR Signing Reports: 134
R5 - Desired TAT

Sample: L406332-01 Account: OXYGJCO Received: 06/06/09 09:00 Due Date: 06/12/09 00:00 RPT Date: 06/12/09 10:13
Sample: L406332-02 Account: OXYGJCO Received: 06/06/09 09:00 Due Date: 06/12/09 00:00 RPT Date: 06/12/09 10:13
Sample: L406332-03 Account: OXYGJCO Received: 06/06/09 09:00 Due Date: 06/12/09 00:00 RPT Date: 06/12/09 10:13
Sample: L406332-04 Account: OXYGJCO Received: 06/06/09 09:00 Due Date: 06/12/09 00:00 RPT Date: 06/12/09 10:13
Sample: L406332-05 Account: OXYGJCO Received: 06/06/09 09:00 Due Date: 06/12/09 00:00 RPT Date: 06/12/09 10:13
Sample: L406332-06 Account: OXYGJCO Received: 06/06/09 09:00 Due Date: 06/12/09 00:00 RPT Date: 06/12/09 10:13
Sample: L406332-07 Account: OXYGJCO Received: 06/06/09 09:00 Due Date: 06/12/09 00:00 RPT Date: 06/12/09 10:13
Sample: L406332-08 Account: OXYGJCO Received: 06/06/09 09:00 Due Date: 06/12/09 00:00 RPT Date: 06/12/09 10:13
Sample: L406332-09 Account: OXYGJCO Received: 06/06/09 09:00 Due Date: 06/12/09 00:00 RPT Date: 06/12/09 10:13
Sample: L406332-10 Account: OXYGJCO Received: 06/06/09 09:00 Due Date: 06/12/09 00:00 RPT Date: 06/12/09 10:13

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>2</u> E101 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>			<div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold;">BTEX 1620</div>						
Project Description: <u>Hawkins 10-9 and 10-4</u>			City/State Collected: <u> </u>									
Phone: (970) 263-3601		Client Project #:		ESC Key:								
FAX:		Site/Facility ID#:		P.O.#:								
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		CoCode: OXYGJCO (lab use only) Template/Prelogin Shipped Via:				
Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/>								Remarks/Contaminant			Sample # (lab only)	
Sample ID	Comp/Grab	Matrix*	Depth	Date	Time							
#4 hpsstream 10-9	Grab	SW	—	6/4/09	1450	2						1406332-01
#2 hpsstream W Creek	↓	↓	—	↓	1502	2						— 02
#3 hpsstream E Creek	↓	↓	—	↓	1509	2						— 03
Creek Crossing	↓	↓	—	↓	1554	2						— 04
Adjacent 10-4	↓	↓	—	↓	1600	2						— 05
Fence Crossing - downstream	↓	↓	—	↓	1615	2						— 06
10-4 Seep - S	↓	↓	—	↓	1520	2						— 07
10-4 Spring - NW	↓	↓	—	↓	1540	2						— 08
10-4 Spring - E - A	↓	↓	—	↓	1606	2						— 09

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

Remarks: 8681 2139 9838 surface water Flow _____ Other _____

Relinquished by: (Signature) <u>Brett Kennedy</u>	Date: <u>6/15/09</u>	Time: <u>1430</u>	Received by: (Signature)	Samples returned via: <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> UPS <input type="checkbox"/> Courier	Condition: (lab use only)
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: <u>38°C</u>	Bottles Received: <u>20✓</u>
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) <u>C. J. [Signature]</u>	Date: <u>6-6-09</u>	Time: <u>0900</u>
				CoC Seals Intact <input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA	pH Checked: NCF:



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

Grand Junction, CO 81506

Report Summary

Friday July 31, 2009

Report Number: L414131

Samples Received: 07/25/09

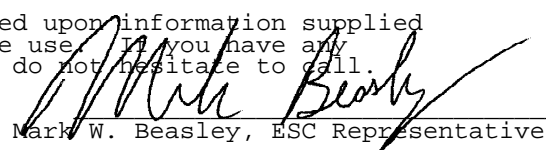
Client Project:

Description: Hawkins 10-9 and 10-4

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
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Where applicable, sampling conducted by ESC is performed per guidance provided
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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 31, 2009

Date Received : July 25, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : CREEK CROSSING 0-6 IN

Collected By : Brett Kennedy
Collection Date : 07/24/09 11:35

ESC Sample # : L414131-01

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00016	0.00050	mg/l		8021/80	07/30/09	1
Toluene	U	0.0016	0.0050	mg/l		8021/80	07/30/09	1
Ethylbenzene	U	0.00016	0.00050	mg/l		8021/80	07/30/09	1
Total Xylene	U	0.00050	0.0015	mg/l		8021/80	07/30/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	07/30/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	97.9			% Rec.		8021/80	07/30/09	1
a,a,a-Trifluorotoluene(PID)	99.0			% Rec.		8021/80	07/30/09	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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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 31, 2009

Date Received : July 25, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : ADJACENT 10-4 0-6 IN

Collected By : Brett Kennedy
Collection Date : 07/24/09 11:52

ESC Sample # : L414131-02

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00016	0.00050	mg/l		8021/80	07/30/09	1
Toluene	U	0.0016	0.0050	mg/l		8021/80	07/30/09	1
Ethylbenzene	U	0.00016	0.00050	mg/l		8021/80	07/30/09	1
Total Xylene	U	0.00050	0.0015	mg/l		8021/80	07/30/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	07/30/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	96.8			% Rec.		8021/80	07/30/09	1
a,a,a-Trifluorotoluene(PID)	97.4			% Rec.		8021/80	07/30/09	1

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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 31, 2009

Date Received : July 25, 2009
Description : Hawkins 10-9 and 10-4
Sample ID : FENCE CROSSING-DOWNSTREAM 0-6 IN
Collected By : Brett Kennedy
Collection Date : 07/24/09 12:15

ESC Sample # : L414131-03

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00016	0.00050	mg/l		8021/80	07/30/09	1
Toluene	U	0.0016	0.0050	mg/l		8021/80	07/30/09	1
Ethylbenzene	U	0.00016	0.00050	mg/l		8021/80	07/30/09	1
Total Xylene	U	0.00050	0.0015	mg/l		8021/80	07/30/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	07/30/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	99.5			% Rec.		8021/80	07/30/09	1
a,a,a-Trifluorotoluene(PID)	97.5			% Rec.		8021/80	07/30/09	1

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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 31, 2009

Date Received : July 25, 2009
Description : Hawkins 10-9 and 10-4
Sample ID : 2 UPSTREAM W CREEK 0-6 IN
Collected By : Brett Kennedy
Collection Date : 07/24/09 10:44

ESC Sample # : L414131-04

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00016	0.00050	mg/l		8021/80	07/30/09	1
Toluene	U	0.0016	0.0050	mg/l		8021/80	07/30/09	1
Ethylbenzene	U	0.00016	0.00050	mg/l		8021/80	07/30/09	1
Total Xylene	U	0.00050	0.0015	mg/l		8021/80	07/30/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	07/30/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	97.8			% Rec.		8021/80	07/30/09	1
a,a,a-Trifluorotoluene(PID)	99.2			% Rec.		8021/80	07/30/09	1

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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 31, 2009

Date Received : July 25, 2009
Description : Hawkins 10-9 and 10-4
Sample ID : 3 UPSTREAM E CREEK 0-6 IN
Collected By : Brett Kennedy
Collection Date : 07/24/09 10:47

ESC Sample # : L414131-05

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00016	0.00050	mg/l		8021/80	07/30/09	1
Toluene	U	0.0016	0.0050	mg/l		8021/80	07/30/09	1
Ethylbenzene	U	0.00016	0.00050	mg/l		8021/80	07/30/09	1
Total Xylene	U	0.00050	0.0015	mg/l		8021/80	07/30/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	07/30/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	98.8			% Rec.		8021/80	07/30/09	1
a,a,a-Trifluorotoluene(PID)	97.6			% Rec.		8021/80	07/30/09	1

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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 31, 2009

Date Received : July 25, 2009
Description : Hawkins 10-9 and 10-4
Sample ID : 4 UPSTREAM 10-9 0-6 IN
Collected By : Brett Kennedy
Collection Date : 07/24/09 10:30

ESC Sample # : L414131-06

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00016	0.00050	mg/l		8021/80	07/30/09	1
Toluene	U	0.0016	0.0050	mg/l		8021/80	07/30/09	1
Ethylbenzene	U	0.00016	0.00050	mg/l		8021/80	07/30/09	1
Total Xylene	U	0.00050	0.0015	mg/l		8021/80	07/30/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	07/30/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	98.9			% Rec.		8021/80	07/30/09	1
a,a,a-Trifluorotoluene(PID)	98.0			% Rec.		8021/80	07/30/09	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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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 31, 2009

Date Received : July 25, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : 10-4 SEEP-S 0-6 IN

Collected By : Brett Kennedy
Collection Date : 07/24/09 11:03

ESC Sample # : L414131-07

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00016	0.00050	mg/l		8021/80	07/30/09	1
Toluene	U	0.0016	0.0050	mg/l		8021/80	07/30/09	1
Ethylbenzene	U	0.00016	0.00050	mg/l		8021/80	07/30/09	1
Total Xylene	U	0.00050	0.0015	mg/l		8021/80	07/30/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	07/30/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	97.5			% Rec.		8021/80	07/30/09	1
a,a,a-Trifluorotoluene(PID)	97.7			% Rec.		8021/80	07/30/09	1

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RDL = Reported Detection Limit = LOQ = PQL = EQL

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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 31, 2009

Date Received : July 25, 2009
Description : Hawkins 10-9 and 10-4
Sample ID : 10-4 SPR-NW-IRR 0-6 IN
Collected By : Brett Kennedy
Collection Date : 07/24/09 11:20

ESC Sample # : L414131-08

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00016	0.00050	mg/l		8021/80	07/30/09	1
Toluene	U	0.0016	0.0050	mg/l		8021/80	07/30/09	1
Ethylbenzene	U	0.00016	0.00050	mg/l		8021/80	07/30/09	1
Total Xylene	U	0.00050	0.0015	mg/l		8021/80	07/30/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	07/30/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	99.4			% Rec.		8021/80	07/30/09	1
a,a,a-Trifluorotoluene(PID)	99.4			% Rec.		8021/80	07/30/09	1

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RDL = Reported Detection Limit = LOQ = PQL = EQL

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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 31, 2009

Date Received : July 25, 2009
Description : Hawkins 10-9 and 10-4
Sample ID : 10-4 SPR-E-A-IRR 0-6 IN
Collected By : Brett Kennedy
Collection Date : 07/24/09 11:55

ESC Sample # : L414131-09

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00016	0.00050	mg/l		8021/80	07/30/09	1
Toluene	U	0.0016	0.0050	mg/l		8021/80	07/30/09	1
Ethylbenzene	U	0.00016	0.00050	mg/l		8021/80	07/30/09	1
Total Xylene	U	0.00050	0.0015	mg/l		8021/80	07/30/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	07/30/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	98.0			% Rec.		8021/80	07/30/09	1
a,a,a-Trifluorotoluene(PID)	97.5			% Rec.		8021/80	07/30/09	1

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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 31, 2009

Date Received : July 25, 2009
Description : Hawkins 10-9 and 10-4
Sample ID : 10-4 SPR-E-BOND C 0-6 IN
Collected By : Brett Kennedy
Collection Date : 07/24/09 12:02

ESC Sample # : L414131-10

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00016	0.00050	mg/l		8021/80	07/30/09	1
Toluene	U	0.0016	0.0050	mg/l		8021/80	07/30/09	1
Ethylbenzene	U	0.00016	0.00050	mg/l		8021/80	07/30/09	1
Total Xylene	U	0.00050	0.0015	mg/l		8021/80	07/30/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	07/30/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	99.9			% Rec.		8021/80	07/30/09	1
a,a,a-Trifluorotoluene(PID)	98.9			% Rec.		8021/80	07/30/09	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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Reported: 07/31/09 13:07 Printed: 07/31/09 13:07

Summary of Remarks For Samples Printed
07/31/09 at 13:07:58

TSR Signing Reports: 134
R5 - Desired TAT

Sample: L414131-01 Account: OXYGJCO Received: 07/25/09 09:00 Due Date: 07/31/09 00:00 RPT Date: 07/31/09 13:07
Sample: L414131-02 Account: OXYGJCO Received: 07/25/09 09:00 Due Date: 07/31/09 00:00 RPT Date: 07/31/09 13:07
Sample: L414131-03 Account: OXYGJCO Received: 07/25/09 09:00 Due Date: 07/31/09 00:00 RPT Date: 07/31/09 13:07
Sample: L414131-04 Account: OXYGJCO Received: 07/25/09 09:00 Due Date: 07/31/09 00:00 RPT Date: 07/31/09 13:07
Sample: L414131-05 Account: OXYGJCO Received: 07/25/09 09:00 Due Date: 07/31/09 00:00 RPT Date: 07/31/09 13:07
Sample: L414131-06 Account: OXYGJCO Received: 07/25/09 09:00 Due Date: 07/31/09 00:00 RPT Date: 07/31/09 13:07
Sample: L414131-07 Account: OXYGJCO Received: 07/25/09 09:00 Due Date: 07/31/09 00:00 RPT Date: 07/31/09 13:07
Sample: L414131-08 Account: OXYGJCO Received: 07/25/09 09:00 Due Date: 07/31/09 00:00 RPT Date: 07/31/09 13:07
Sample: L414131-09 Account: OXYGJCO Received: 07/25/09 09:00 Due Date: 07/31/09 00:00 RPT Date: 07/31/09 13:07
Sample: L414131-10 Account: OXYGJCO Received: 07/25/09 09:00 Due Date: 07/31/09 00:00 RPT Date: 07/31/09 13:07



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

Quality Assurance Report Level II

Grand Junction, CO 81506

L414131

July 31, 2009

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
TPH (GC/FID) Low Fraction	< .1	mg/l			WG433943	07/30/09 12:18
a,a,a-Trifluorotoluene(FID)		% Rec.	98.10	62-128	WG433943	07/30/09 12:18
Benzene	< .0005	mg/l			WG433895	07/30/09 16:17
Ethylbenzene	< .0005	mg/l			WG433895	07/30/09 16:17
Toluene	< .005	mg/l			WG433895	07/30/09 16:17
Total Xylene	< .0015	mg/l			WG433895	07/30/09 16:17
a,a,a-Trifluorotoluene(PID)		% Rec.	100.0	55-122	WG433895	07/30/09 16:17

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
TPH (GC/FID) Low Fraction	mg/l	5.5	4.50	81.7	70-124	WG433943
a,a,a-Trifluorotoluene(FID)				116.6	62-128	WG433943
Benzene	mg/l	.05	0.0510	102.	79-114	WG433895
Ethylbenzene	mg/l	.05	0.0480	95.9	80-116	WG433895
Toluene	mg/l	.05	0.0478	95.6	79-112	WG433895
Total Xylene	mg/l	.15	0.147	97.9	84-118	WG433895
a,a,a-Trifluorotoluene(PID)				98.09	55-122	WG433895

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
TPH (GC/FID) Low Fraction	mg/l	4.55	4.50	83.0	70-124	1.28	20	WG433943
a,a,a-Trifluorotoluene(FID)				115.2	62-128			WG433943
Benzene	mg/l	0.0467	0.0510	93.0	79-114	8.78	20	WG433895
Ethylbenzene	mg/l	0.0436	0.0480	87.0	80-116	9.60	20	WG433895
Toluene	mg/l	0.0437	0.0478	87.0	79-112	8.98	20	WG433895
Total Xylene	mg/l	0.133	0.147	89.0	84-118	9.86	20	WG433895
a,a,a-Trifluorotoluene(PID)				97.49	55-122			WG433895

Analyte	Units	Matrix Spike				Limit	Ref Samp	Batch
		MS Res	Ref Res	TV	% Rec			
TPH (GC/FID) Low Fraction	mg/l	4.48	0.00	5.5	81.5	55-109	L413907-01	WG433943
a,a,a-Trifluorotoluene(FID)					115.9	62-128		WG433943
Benzene	mg/l	0.0479	0.00	.05	95.7	35-147	L414502-03	WG433895
Ethylbenzene	mg/l	0.0455	0.00	.05	91.1	39-141	L414502-03	WG433895
Toluene	mg/l	0.0442	0.00	.05	88.5	35-148	L414502-03	WG433895
Total Xylene	mg/l	0.138	0.00	.15	92.3	33-151	L414502-03	WG433895
a,a,a-Trifluorotoluene(PID)					96.97	55-122		WG433895

Analyte	Units	Matrix Spike Duplicate			Limit	RPD	Limit	Ref Samp	Batch
		MSD	Ref	%Rec					
TPH (GC/FID) Low Fraction	mg/l	4.51	4.48	82.1	55-109	0.733	20	L413907-01	WG433943
a,a,a-Trifluorotoluene(FID)				114.9	62-128				WG433943
Benzene	mg/l	0.0469	0.0479	93.9	35-147	1.96	20	L414502-03	WG433895
Ethylbenzene	mg/l	0.0448	0.0455	89.6	39-141	1.71	20	L414502-03	WG433895
Toluene	mg/l	0.0435	0.0442	87.1	35-148	1.64	20	L414502-03	WG433895

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

Quality Assurance Report Level II

Grand Junction, CO 81506

L414131

July 31, 2009

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
Total Xylene	mg/l	0.136	0.138	91.0	33-151	1.42	20	L414502-03	WG433895
a,a,a-Trifluorotoluene(PID)				97.33	55-122				WG433895

Batch number /Run number / Sample number cross reference

WG433943: R838426: L414131-01 02 03 04 05 06 07 08 09 10
WG433895: R838466: L414131-01 02 03 04 05 06 07 08 09 10

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

Quality Assurance Report Level II

Grand Junction, CO 81506

L414131

July 31, 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>2</u> D161 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>Hawkins 10-9 and 10-4</u>			City/State Collected: <u> </u>							
Phone: <u>(970) 263-3601</u>		Client Project #:		ESC Key:						
FAX:										
Collected by: <u>Brett Kennedy</u>		Site/Facility ID#:		P.O. #:						
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				
Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/>										
Sample ID	Comp/Grab	Matrix*	Depth	Date	Time				Remarks/Contaminant	Sample # (lab only)
Creek Crossing	Grab	SW	0-6"	7/24/09	1135	2	✓			L414131-01
Adjacent 10-4	↓	↓	↓		1152	2	✓			02
Fence Crossing - Downstream	↓	↓	↓		1215	2	✓			03
#2 Upstream W Creek	↓	↓	↓		1044	2	✓			04
#3 Upstream E Creek	↓	↓	↓		1047	2	✓			05
#4 Upstream 10-7	↓	↓	↓		1030	2	✓			06
10-4 Soap-S	↓	↓	↓		1103	2	✓			07
10-4 Spr-NW-Irr	↓	↓	↓		1120	2	✓			08
10-4 Spr-E-A-Irr	↓	↓	↓		1155	2	✓			09

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

Remarks: surface water 8681 21399632 Other

Relinquished by: (Signature) <u>Brett Kennedy</u>	Date: <u>7/24/09</u>	Time: <u>1600</u>	Received by: (Signature) <u>[Signature]</u>	Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier	Condition: <u>OK</u> (lab use only)
Relinquished by: (Signature) <u>[Signature]</u>	Date:	Time:	Received by: (Signature) <u>[Signature]</u>	Temp: <u>36°C</u>	Bottles Received: <u>20</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date:	Time:	Received for lab by: (Signature) <u>Kim Wren</u>	Date: <u>7/25/09</u>	Time: <u>0900</u>
				pH Checked:	NCF:



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

Grand Junction, CO 81506

Report Summary

Tuesday October 06, 2009

Report Number: L424947

Samples Received: 10/01/09

Client Project:

Description: Hawkins 10-9 and 10-4

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:

John D. Blackman, 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

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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

October 06, 2009

Date Received : October 01, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : 2 UPSTREAM 0-6IN

Collected By : Brett Kennedy
Collection Date : 09/29/09 10:02

ESC Sample # : L424947-01

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	10/03/09	1
Toluene	0.00063	0.00021	0.0050	mg/l	J	8021/80	10/03/09	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	10/03/09	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	10/03/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	10/03/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	96.3			% Rec.		8021/80	10/03/09	1
a,a,a-Trifluorotoluene(PID)	95.5			% Rec.		8021/80	10/03/09	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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REPORT OF ANALYSIS

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

October 06, 2009

Date Received : October 01, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : 10-4 S SEEP 0-6IN

Collected By : Brett Kennedy
Collection Date : 09/29/09 10:33

ESC Sample # : L424947-02

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	10/03/09	1
Toluene	0.00069	0.00021	0.0050	mg/l	J	8021/80	10/03/09	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	10/03/09	1
Total Xylene	0.00077	0.00043	0.0015	mg/l	J	8021/80	10/03/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	10/03/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	96.7			% Rec.		8021/80	10/03/09	1
a,a,a-Trifluorotoluene(PID)	96.4			% Rec.		8021/80	10/03/09	1

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REPORT OF ANALYSIS

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

October 06, 2009

Date Received : October 01, 2009
Description : Hawkins 10-9 and 10-4
Sample ID : 10-4 SEEP-NW IRR 0-6IN
Collected By : Brett Kennedy
Collection Date : 09/29/09 10:25

ESC Sample # : L424947-03

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	10/03/09	1
Toluene	0.00036	0.00021	0.0050	mg/l	J	8021/80	10/03/09	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	10/03/09	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	10/03/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	10/03/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	96.0			% Rec.		8021/80	10/03/09	1
a,a,a-Trifluorotoluene(PID)	96.2			% Rec.		8021/80	10/03/09	1

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REPORT OF ANALYSIS

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

October 06, 2009

Date Received : October 01, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : CREEK CROSSING 0-6IN

Collected By : Brett Kennedy
Collection Date : 09/29/09 10:49

ESC Sample # : L424947-04

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	10/03/09	1
Toluene	0.00028	0.00021	0.0050	mg/l	J	8021/80	10/03/09	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	10/03/09	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	10/03/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	10/03/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	96.5			% Rec.		8021/80	10/03/09	1
a,a,a-Trifluorotoluene(PID)	96.6			% Rec.		8021/80	10/03/09	1

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REPORT OF ANALYSIS

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

October 06, 2009

Date Received : October 01, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : ADJACANT 10-4 0-6IN

Collected By : Brett Kennedy
Collection Date : 09/29/09 11:11

ESC Sample # : L424947-05

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	10/03/09	1
Toluene	0.00023	0.00021	0.0050	mg/l	J	8021/80	10/03/09	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	10/03/09	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	10/03/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	10/03/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	95.8			% Rec.		8021/80	10/03/09	1
a,a,a-Trifluorotoluene(PID)	95.8			% Rec.		8021/80	10/03/09	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

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

October 06, 2009

Date Received : October 01, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : SPR E-A IRR 0-6IN

Collected By : Brett Kennedy
Collection Date : 09/29/09 11:17

ESC Sample # : L424947-06

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	10/03/09	1
Toluene	0.00022	0.00021	0.0050	mg/l	J	8021/80	10/03/09	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	10/03/09	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	10/03/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	10/03/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	97.7			% Rec.		8021/80	10/03/09	1
a,a,a-Trifluorotoluene(PID)	97.7			% Rec.		8021/80	10/03/09	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

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

October 06, 2009

Date Received : October 01, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : SPR E-BC 0-6IN

Collected By : Brett Kennedy
Collection Date : 09/29/09 11:22

ESC Sample # : L424947-07

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	10/03/09	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	10/03/09	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	10/03/09	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	10/03/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	10/03/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	95.8			% Rec.		8021/80	10/03/09	1
a,a,a-Trifluorotoluene(PID)	95.7			% Rec.		8021/80	10/03/09	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

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

October 06, 2009

Date Received : October 01, 2009
Description : Hawkins 10-9 and 10-4

Sample ID : FENCE CROSSING 0-6IN

Collected By : Brett Kennedy
Collection Date : 09/29/09 11:40

ESC Sample # : L424947-08

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	10/03/09	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	10/03/09	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	10/03/09	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	10/03/09	1
TPH (GC/FID) Low Fraction	U	0.033	0.10	mg/l		GRO	10/03/09	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	96.3			% Rec.		8021/80	10/03/09	1
a,a,a-Trifluorotoluene(PID)	95.3			% Rec.		8021/80	10/03/09	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L424947-01	WG443955	SAMP	Toluene	R934877	J
L424947-02	WG443955	SAMP	Toluene	R934877	J
	WG443955	SAMP	Total Xylene	R934877	J
L424947-03	WG443955	SAMP	Toluene	R934877	J
L424947-04	WG443955	SAMP	Toluene	R934877	J
L424947-05	WG443955	SAMP	Toluene	R934877	J
L424947-06	WG443955	SAMP	Toluene	R934877	J

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
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
10/06/09 at 15:23:46

TSR Signing Reports: 134
R5 - Desired TAT

Sample: L424947-01 Account: OXYGJCO Received: 10/01/09 09:00 Due Date: 10/08/09 00:00 RPT Date: 10/06/09 15:23
Sample: L424947-02 Account: OXYGJCO Received: 10/01/09 09:00 Due Date: 10/08/09 00:00 RPT Date: 10/06/09 15:23
Sample: L424947-03 Account: OXYGJCO Received: 10/01/09 09:00 Due Date: 10/08/09 00:00 RPT Date: 10/06/09 15:23
Sample: L424947-04 Account: OXYGJCO Received: 10/01/09 09:00 Due Date: 10/08/09 00:00 RPT Date: 10/06/09 15:23
Sample: L424947-05 Account: OXYGJCO Received: 10/01/09 09:00 Due Date: 10/08/09 00:00 RPT Date: 10/06/09 15:23
Sample: L424947-06 Account: OXYGJCO Received: 10/01/09 09:00 Due Date: 10/08/09 00:00 RPT Date: 10/06/09 15:23
Sample: L424947-07 Account: OXYGJCO Received: 10/01/09 09:00 Due Date: 10/08/09 00:00 RPT Date: 10/06/09 15:23
Sample: L424947-08 Account: OXYGJCO Received: 10/01/09 09:00 Due Date: 10/08/09 00:00 RPT Date: 10/06/09 15:23



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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

October 06, 2009

L424947

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Benzene	< .0005	mg/l			WG443955	10/03/09 14:08
Ethylbenzene	< .0005	mg/l			WG443955	10/03/09 14:08
Toluene	< .005	mg/l			WG443955	10/03/09 14:08
TPH (GC/FID) Low Fraction	< .1	mg/l			WG443955	10/03/09 14:08
Total Xylene	< .0015	mg/l			WG443955	10/03/09 14:08
a,a,a-Trifluorotoluene(FID)		% Rec.	97.78	62-128	WG443955	10/03/09 14:08
a,a,a-Trifluorotoluene(PID)		% Rec.	97.56	55-122	WG443955	10/03/09 14:08

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Benzene	mg/l	.05	0.0472	94.3	79-114	WG443955
Ethylbenzene	mg/l	.05	0.0472	94.4	80-116	WG443955
Toluene	mg/l	.05	0.0456	91.2	79-112	WG443955
Total Xylene	mg/l	.15	0.146	97.2	84-118	WG443955
a,a,a-Trifluorotoluene(FID)				97.97	62-128	WG443955
a,a,a-Trifluorotoluene(PID)				95.46	55-122	WG443955
TPH (GC/FID) Low Fraction	mg/l	5.5	4.80	87.3	70-124	WG443955
a,a,a-Trifluorotoluene(FID)				92.32	62-128	WG443955
a,a,a-Trifluorotoluene(PID)				97.93	55-122	WG443955

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Benzene	mg/l	0.0480	0.0472	96.0	79-114	1.73	20	WG443955
Ethylbenzene	mg/l	0.0476	0.0472	95.0	80-116	0.898	20	WG443955
Toluene	mg/l	0.0459	0.0456	92.0	79-112	0.629	20	WG443955
Total Xylene	mg/l	0.147	0.146	98.0	84-118	0.573	20	WG443955
a,a,a-Trifluorotoluene(FID)				96.70	62-128			WG443955
a,a,a-Trifluorotoluene(PID)				95.88	55-122			WG443955
TPH (GC/FID) Low Fraction	mg/l	4.99	4.80	91.0	70-124	3.80	20	WG443955
a,a,a-Trifluorotoluene(FID)				93.83	62-128			WG443955
a,a,a-Trifluorotoluene(PID)				98.37	55-122			WG443955

Analyte	Units	Matrix Spike			% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res	TV				
Benzene	mg/l	0.0462	0	.05	92.4	35-147	L424947-01	WG443955
Ethylbenzene	mg/l	0.0442	0	.05	88.4	39-141	L424947-01	WG443955
Toluene	mg/l	0.0432	0.000630	.05	85.2	35-148	L424947-01	WG443955
Total Xylene	mg/l	0.136	0	.15	90.7	33-151	L424947-01	WG443955
a,a,a-Trifluorotoluene(FID)					95.18	62-128		WG443955
a,a,a-Trifluorotoluene(PID)					94.18	55-122		WG443955
TPH (GC/FID) Low Fraction	mg/l	4.86	0	5.5	88.4	55-109	L424947-01	WG443955
a,a,a-Trifluorotoluene(FID)					92.35	62-128		WG443955
a,a,a-Trifluorotoluene(PID)					97.66	55-122		WG443955

Analyte	Units	Matrix Spike Duplicate			Limit	RPD	Limit	Ref Samp	Batch
		MSD	Ref	%Rec					
Benzene	mg/l	0.0461	0.0462	92.2	35-147	0.170	20	L424947-01	WG443955
Ethylbenzene	mg/l	0.0448	0.0442	89.5	39-141	1.22	20	L424947-01	WG443955
Toluene	mg/l	0.0432	0.0432	85.1	35-148	0.0430	20	L424947-01	WG443955
Total Xylene	mg/l	0.137	0.136	91.4	33-151	0.804	20	L424947-01	WG443955
a,a,a-Trifluorotoluene(FID)				96.26	62-128				WG443955
a,a,a-Trifluorotoluene(PID)				93.94	55-122				WG443955
TPH (GC/FID) Low Fraction	mg/l	4.74	4.86	86.2	55-109	2.61	20	L424947-01	WG443955
a,a,a-Trifluorotoluene(FID)				93.53	62-128				WG443955
a,a,a-Trifluorotoluene(PID)				97.34	55-122				WG443955

* 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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Brett Kennedy
760 Horizon Dr., Ste. 101

Quality Assurance Report
Level II

Grand Junction, CO 81506

L424947

October 06, 2009

Batch number /Run number / Sample number cross reference

WG443955: R934877: L424947-01 02 03 04 05 06 07 08

* * 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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L424947

October 06, 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 1 of 1

Prepared by:

B015

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Report to: Brett Kennedy

Email to: brett.kennedy@oxy.com

Project Description: Hawkins 10-9 and 10-4

City/State
Collected: —

Phone: (970) 263-3601

Client Project #:

ESC Key:

FAX:

Collected by: Brett Kennedy

Site/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

Immediately

Packed on Ice N ☐ Y ☒

CoCode: OXYGJCO (lab use only)

Template/Prelogin

Shipped Via:

Remarks/Contaminant

Sample # (lab only)

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs													
#2 hps stream - W	Grab	SW	0-6"	9/29/09	1002	2	✓												
10-4 S Sep					1033	2	✓												
10-4 S Sep - NW Irr					1025	2	✓												
Creek Crossing					1049	2	✓												
Adjacent 10-4					1111	2	✓												
Spr E - A Irr					1117	2	✓												
Spr E - BAC					1122	2	✓												
Fence Crossing					1140	2	✓												

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

Remarks:

sarker water

963262593770

pH

Temp

Flow

Other

Relinquished by: (Signature)

Relinquished by: (Signature)

Relinquished by: (Signature)

Date:

9/30/09

Time:

1005

Received by: (Signature)

Received by: (Signature)

Received for lab by: (Signature)

Samples returned via: ☐ UPS☒ FedEx ☐ Courier ☐Temp:
3.6°C

Bottles Received:

161

Condition: (lab use only)

CoC Seals Intact ☐ Y ☐ N ☒ NA

pH Checked:

NCF