

Appendix B – Laboratory Analytical Data

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:


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

Phone (615) 758-5858

Phone (800) 767-5859

FAX (615) 758-5859

Resort to: Brett Kennedy Email to: brett.kennedy@oxy.comProject Description: 647-1565H City/State Collected: —Phone: (970) 263-3601 Client Project #: — ESC Key: —FAX: — Site/Facility ID#: — P.O.#: —Collected by: Brett KennedyCollected by (Signature): [Signature]Immediately Packed on Ice NA Y ✓ N ✓Rush? (Lab MUST Be Notified)
Same Day: — 200%
Next Day: — 100%
Two Day: — 50%
Three Day: — 25%Date Results Needed:
Email? — No — Yes —
FAX? — No — Yes —

Sample ID

Comp/Grab

Matrix

Depth

Date

Time

No. of Cnts

Remarks/Contaminant

Sample # (lab only)

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

Remarks:

Flow 932 6250 cfsRelinquished by (Signature): [Signature]Date: 8/13/08 Time: 1740Received by (Signature): [Signature]Date: 8-14-08 Time: 0900Bottles Received: 17Temp: 7.8cDate: 8-14-08Time: 0900Samples returned via: ☒ UPS ☐ FedEx ☐ CourierCondition: PH Delivered to meet 113cm 81110903Lab use only: YNCF: —



Colorado Department
of Public Health
and Environment

Laboratory and Radiation Services Division
8100 Lowry Boulevard, Denver, CO 80230-6928
US Mail: PO Box 17123, Denver, CO 80217
(303) 692-3080 fax (303) 344-9989



REQUEST FOR ANALYTICAL SERVICES

Collection No:

CUSTOMER

CustomerID: WP027890
Name: Hernandez, Alunzo
Address: 467 Chatfield Ln
City/ST/Zip: Grand Junction CO 81504
Phone: 970-985-6055
Contact:
Contact Phone:

SPECIMEN INFORMATION

Collected: - - Time = ☐ a.m.
month day year hour min ☐ p.m.

Received: - - Time = ☐ a.m.
month day year hour min ☐ p.m.

Collected by: Water Type:

SAMPLE SITE

PWS ID: CO0 -

Name:

Address:

City County State Zip

Description: Location Source Point of location

COMMENTS

Purpose: ☐ Routine ☐ Special Purpose ☐ Repeat

Chlorine residual: mg/L Temp., Water °C

Temperature at Receipt:

Comments:

TEST ORDER (Check appropriate box):

CHEMISTRY-INORGANIC

- | | | |
|--|---|---|
| <input type="checkbox"/> Alkalinity, Phenolphthalein | <input type="checkbox"/> ICP Scan | <input type="checkbox"/> Solids, Total |
| <input checked="" type="checkbox"/> Alkalinity, Total | <input type="checkbox"/> Lead | <input checked="" type="checkbox"/> Sulfate |
| <input type="checkbox"/> Aluminum | <input type="checkbox"/> Lithium | <input type="checkbox"/> Thallium |
| <input type="checkbox"/> Antimony | <input checked="" type="checkbox"/> Magnesium | <input type="checkbox"/> Uranium |
| <input checked="" type="checkbox"/> Arsenic | <input type="checkbox"/> Manganese | <input type="checkbox"/> Zinc |
| <input checked="" type="checkbox"/> Barium | <input type="checkbox"/> Mandatory (Phase I, II, V) | <input type="checkbox"/> Other: |
| <input type="checkbox"/> Beryllium | <input type="checkbox"/> Mercury | |
| <input type="checkbox"/> BOD | <input type="checkbox"/> Molybdenum | |
| <input type="checkbox"/> BOD, Carbonaceous | <input type="checkbox"/> Nickel | |
| <input type="checkbox"/> Boron | <input type="checkbox"/> Automated Ammonia | |
| <input type="checkbox"/> Cadmium | <input type="checkbox"/> Nitrogen, Kjeldahl | |
| <input checked="" type="checkbox"/> Calcium (Carbonate) | <input type="checkbox"/> Nitrogen, Total | |
| <input type="checkbox"/> Chloride | <input type="checkbox"/> Nitrogen, Nitrate/Nitrite | |
| <input checked="" type="checkbox"/> Chlorine, Total residual | <input type="checkbox"/> Nitrogen, Nitrite | |
| <input checked="" type="checkbox"/> Chromium | <input type="checkbox"/> Nitrogen, Nitrate | |
| <input type="checkbox"/> Conductivity | <input checked="" type="checkbox"/> pH | |
| <input type="checkbox"/> Copper | <input type="checkbox"/> Phosphate, Ortho | |
| <input type="checkbox"/> Corrosivity (Langlier) | <input type="checkbox"/> Phosphate, Total | |
| <input type="checkbox"/> Cyanide, Distilled | <input type="checkbox"/> Potassium | |
| <input type="checkbox"/> Cyanide, Direct | <input type="checkbox"/> Selenium | |
| <input type="checkbox"/> Cyanide, WAD | <input type="checkbox"/> Silicon (silicates) | |
| <input checked="" type="checkbox"/> Fluoride | <input type="checkbox"/> Silver | |
| <input type="checkbox"/> Hardness total | <input checked="" type="checkbox"/> Sodium | |
| <input type="checkbox"/> Heavy Metals | <input checked="" type="checkbox"/> Solids, Dissolved | |
| <input type="checkbox"/> Iron | <input type="checkbox"/> Solids, Suspended | |

CHEMISTRY-ORGANIC

- ☐ Phase 1, 2, 5
☐ VOC (Regulated)
☐ SOC (Regulated)
☐ DBP (Regulated)
☒ VOC (Screen)
☐ SVOC (Screen)
☐ HEM (Oil & Grease)
☐ THM
☐ BTEX
☐ TOC
☐ Other:
☐ Other:
☐ Other:
☐ Other:
☐ Other:

MICROBIOLOGY

- ☐ Total Coliforms, PA
☐ Total Coliforms, MTF
☐ Fecal Coliforms, MTF
☐ E.Coli., MPN
☐ Heterotrophic Plate Count
☐ Pseudomonas Culture
☐ Other:
☐ Other:

RADIOCHEMISTRY

- ☐ Alpha/Beta, Gross
☐ Americium
☐ Gamma Spectrometry, Nuclide Specific
☐ Plutonium
☐ Radium 226
☐ Radium 228
☐ Radon
☐ Thorium
☐ Uranium
☐ Leak Test
☐ Alpha/Beta, Gross
☐ Carbon-14
☐ Ni-63
☐ H-3

☐ Other:

☐ Other:

CPD

- ☐ VOC
☐ Fat + Preservatives in Meat
☐ Water Activity
☐ Other:

DISPOSITION

CHAIN OF CUSTODY

RELINQUISHED BY:	DATE / TIME	RECEIVED BY:	DATE / TIME
RELINQUISHED BY:	DATE / TIME	RECEIVED BY:	DATE / TIME
RELINQUISHED BY:	DATE / TIME	RECEIVED BY:	DATE / TIME



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Tax I.D. 62-0814289

Est. 1970

Brett Kennedy
OXY USA - Grand Junction, CO
2754 Compass Dr., Ste. 170

Grand Junction, CO 81506

Report Summary

Tuesday August 19, 2008

Report Number: L359968

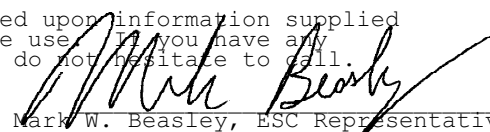
Samples Received: 08/14/08

Client Project:

Description: 697-15-57

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 - 09227, 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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4 Samples Reported: 08/19/08 15:39 Printed: 08/19/08 15:39

Page 1 of 16



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REPORT OF ANALYSIS

Brett Kennedy
OXY USA - Grand Junction, CO
2754 Compass Dr., Ste. 170
Grand Junction, CO 81506

August 19, 2008

Date Received : August 14, 2008
Description : 697-15-57

Sample ID : SPRING 2

Collected By : Brett Kennedy
Collection Date : 08/13/08 13:15

ESC Sample # : L359968-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	280	2.0	mg/l	9056	08/14/08	2
Fluoride	BDL	0.10	mg/l	9056	08/14/08	1
Sulfate	38.	5.0	mg/l	9056	08/14/08	1
Alkalinity	270	10.	mg/l	2320B	08/15/08	1
Alkalinity, Carbonate	BDL	10.	mg/l	2320B	08/15/08	1
pH	7.5		su	9040C	08/15/08	1
Dissolved Solids	1400	10.	mg/l	2540C	08/15/08	1
Arsenic	BDL	0.020	mg/l	6010B	08/19/08	1
Barium	0.30	0.0050	mg/l	6010B	08/19/08	1
Calcium	130	0.50	mg/l	6010B	08/19/08	1
Chromium	BDL	0.010	mg/l	6010B	08/19/08	1
Magnesium	46.	0.10	mg/l	6010B	08/19/08	1
Sodium	94.	0.50	mg/l	6010B	08/19/08	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	08/15/08	1
Acrolein	BDL	0.050	mg/l	8260B	08/15/08	1
Acrylonitrile	BDL	0.010	mg/l	8260B	08/15/08	1
Benzene	BDL	0.0010	mg/l	8260B	08/15/08	1
Bromobenzene	BDL	0.0010	mg/l	8260B	08/15/08	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	08/15/08	1
Bromoform	BDL	0.0010	mg/l	8260B	08/15/08	1
Bromomethane	BDL	0.0050	mg/l	8260B	08/15/08	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	08/15/08	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	08/15/08	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	08/15/08	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	08/15/08	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	08/15/08	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	08/15/08	1
Chloroethane	BDL	0.0050	mg/l	8260B	08/15/08	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	08/15/08	1
Chloroform	BDL	0.0050	mg/l	8260B	08/15/08	1
Chloromethane	BDL	0.0025	mg/l	8260B	08/15/08	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	08/15/08	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	08/15/08	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	08/15/08	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	08/15/08	1
Dibromomethane	BDL	0.0010	mg/l	8260B	08/15/08	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	08/15/08	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	08/15/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

L359968-01 (PH) - 7.5@21.7c



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Est. 1970

REPORT OF ANALYSIS

Brett Kennedy
OXY USA - Grand Junction, CO
2754 Compass Dr., Ste. 170
Grand Junction, CO 81506

August 19, 2008

Date Received : August 14, 2008
Description : 697-15-57

Sample ID : SPRING 2

Collected By : Brett Kennedy
Collection Date : 08/13/08 13:15

ESC Sample # : L359968-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	08/15/08	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	08/15/08	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	08/15/08	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	08/15/08	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	08/15/08	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	08/15/08	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	08/15/08	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	08/15/08	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	08/15/08	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	08/15/08	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	08/15/08	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	08/15/08	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	08/15/08	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	08/15/08	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	08/15/08	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	08/15/08	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	08/15/08	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	08/15/08	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	08/15/08	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	08/15/08	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	08/15/08	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	08/15/08	1
Naphthalene	BDL	0.0050	mg/l	8260B	08/15/08	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	08/15/08	1
Styrene	BDL	0.0010	mg/l	8260B	08/15/08	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	08/15/08	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	08/15/08	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	08/15/08	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	08/15/08	1
Toluene	BDL	0.0050	mg/l	8260B	08/15/08	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	08/15/08	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	08/15/08	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	08/15/08	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	08/15/08	1
Trichloroethene	BDL	0.0010	mg/l	8260B	08/15/08	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	08/15/08	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	08/15/08	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	08/15/08	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	08/15/08	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	08/15/08	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	08/15/08	1
Xylenes, Total	0.0058	0.0030	mg/l	8260B	08/15/08	1
Surrogate Recovery						
Toluene-d8	97.9		% Rec.	8260B	08/15/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit (PQL)
L359968-01 (PH) - 7.5@21.7c



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REPORT OF ANALYSIS

Brett Kennedy
OXY USA - Grand Junction, CO
2754 Compass Dr., Ste. 170
Grand Junction, CO 81506

August 19, 2008

Date Received : August 14, 2008
Description : 697-15-57

Sample ID : SPRING 2

Collected By : Brett Kennedy
Collection Date : 08/13/08 13:15

ESC Sample # : L359968-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dibromofluoromethane	101.		% Rec.	8260B	08/15/08	1
4-Bromofluorobenzene	97.7		% Rec.	8260B	08/15/08	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.0010	mg/l	8270C	08/15/08	1
Acenaphthylene	BDL	0.0010	mg/l	8270C	08/15/08	1
Anthracene	BDL	0.0010	mg/l	8270C	08/15/08	1
Benidine	BDL	0.050	mg/l	8270C	08/15/08	1
Benzo(a)anthracene	BDL	0.0010	mg/l	8270C	08/15/08	1
Benzo(b)fluoranthene	BDL	0.0010	mg/l	8270C	08/15/08	1
Benzo(k)fluoranthene	BDL	0.0010	mg/l	8270C	08/15/08	1
Benzo(g,h,i)perylene	BDL	0.0010	mg/l	8270C	08/15/08	1
Benzo(a)pyrene	BDL	0.0010	mg/l	8270C	08/15/08	1
Bis(2-chlorethoxy)methane	BDL	0.010	mg/l	8270C	08/15/08	1
Bis(2-chloroethyl)ether	BDL	0.010	mg/l	8270C	08/15/08	1
Bis(2-chloroisopropyl)ether	BDL	0.010	mg/l	8270C	08/15/08	1
4-Bromophenyl-phenylether	BDL	0.010	mg/l	8270C	08/15/08	1
2-Chloronaphthalene	BDL	0.010	mg/l	8270C	08/15/08	1
4-Chlorophenyl-phenylether	BDL	0.010	mg/l	8270C	08/15/08	1
Chrysene	BDL	0.0010	mg/l	8270C	08/15/08	1
Dibenz(a,h)anthracene	BDL	0.0010	mg/l	8270C	08/15/08	1
3,3-Dichlorobenzidine	BDL	0.010	mg/l	8270C	08/15/08	1
2,4-Dinitrotoluene	BDL	0.010	mg/l	8270C	08/15/08	1
2,6-Dinitrotoluene	BDL	0.010	mg/l	8270C	08/15/08	1
Fluoranthene	BDL	0.0010	mg/l	8270C	08/15/08	1
Fluorene	BDL	0.0010	mg/l	8270C	08/15/08	1
Hexachlorobenzene	BDL	0.010	mg/l	8270C	08/15/08	1
Hexachloro-1,3-butadiene	BDL	0.010	mg/l	8270C	08/15/08	1
Hexachlorocyclopentadiene	BDL	0.010	mg/l	8270C	08/15/08	1
Hexachloroethane	BDL	0.010	mg/l	8270C	08/15/08	1
Indeno(1,2,3-cd)pyrene	BDL	0.0010	mg/l	8270C	08/15/08	1
Isophorone	BDL	0.010	mg/l	8270C	08/15/08	1
Naphthalene	BDL	0.0010	mg/l	8270C	08/15/08	1
Nitrobenzene	BDL	0.010	mg/l	8270C	08/15/08	1
n-Nitrosodimethylamine	BDL	0.050	mg/l	8270C	08/15/08	1
n-Nitrosodiphenylamine	BDL	0.010	mg/l	8270C	08/15/08	1
n-Nitrosodi-n-propylamine	BDL	0.010	mg/l	8270C	08/15/08	1
Phenanthrene	BDL	0.0010	mg/l	8270C	08/15/08	1
Benzylbutyl phthalate	BDL	0.010	mg/l	8270C	08/15/08	1
Bis(2-ethylhexyl)phthalate	BDL	0.010	mg/l	8270C	08/15/08	1
Di-n-butyl phthalate	BDL	0.010	mg/l	8270C	08/15/08	1
Diethyl phthalate	BDL	0.010	mg/l	8270C	08/15/08	1
Dimethyl phthalate	BDL	0.010	mg/l	8270C	08/15/08	1
Di-n-octyl phthalate	BDL	0.010	mg/l	8270C	08/15/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

L359968-01 (PH) - 7.5@21.7c



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REPORT OF ANALYSIS

Brett Kennedy
OXY USA - Grand Junction, CO
2754 Compass Dr., Ste. 170
Grand Junction, CO 81506

August 19, 2008

Date Received : August 14, 2008
Description : 697-15-57

Sample ID : SPRING 2

Collected By : Brett Kennedy
Collection Date : 08/13/08 13:15

ESC Sample # : L359968-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Pyrene	BDL	0.0010	mg/l	8270C	08/15/08	1
1,2,4-Trichlorobenzene	BDL	0.010	mg/l	8270C	08/15/08	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.010	mg/l	8270C	08/15/08	1
2-Chlorophenol	BDL	0.010	mg/l	8270C	08/15/08	1
2,4-Dichlorophenol	BDL	0.010	mg/l	8270C	08/15/08	1
2,4-Dimethylphenol	BDL	0.010	mg/l	8270C	08/15/08	1
4,6-Dinitro-2-methylphenol	BDL	0.010	mg/l	8270C	08/15/08	1
2,4-Dinitrophenol	BDL	0.010	mg/l	8270C	08/15/08	1
2-Nitrophenol	BDL	0.010	mg/l	8270C	08/15/08	1
4-Nitrophenol	BDL	0.010	mg/l	8270C	08/15/08	1
Pentachlorophenol	BDL	0.010	mg/l	8270C	08/15/08	1
Phenol	BDL	0.010	mg/l	8270C	08/15/08	1
2,4,6-Trichlorophenol	BDL	0.010	mg/l	8270C	08/15/08	1
Surrogate Recovery						
Nitrobenzene-d5	42.4		% Rec.	8270C	08/15/08	1
2-Fluorobiphenyl	59.5		% Rec.	8270C	08/15/08	1
p-Terphenyl-d14	85.0		% Rec.	8270C	08/15/08	1
Phenol-d5	20.7		% Rec.	8270C	08/15/08	1
2-Fluorophenol	23.4		% Rec.	8270C	08/15/08	1
2,4,6-Tribromophenol	53.5		% Rec.	8270C	08/15/08	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: 08/19/08 15:39 Printed: 08/19/08 15:39
L359968-01 (PH) - 7.5@21.7c



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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Brett Kennedy
OXY USA - Grand Junction, CO
2754 Compass Dr., Ste. 170
Grand Junction, CO 81506

August 19, 2008

Date Received : August 14, 2008
Description : 697-15-57
Sample ID : IN GROUND TANK
Collected By : Brett Kennedy
Collection Date : 08/13/08 13:29

ESC Sample # : L359968-02

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.00050	mg/l	8021/8015	08/15/08	1
Toluene	BDL	0.0050	mg/l	8021/8015	08/15/08	1
Ethylbenzene	BDL	0.00050	mg/l	8021/8015	08/15/08	1
Total Xylene	BDL	0.0015	mg/l	8021/8015	08/15/08	1
TPH (GC/FID) Low Fraction	BDL	0.10	mg/l	GRO	08/15/08	1
Surrogate Recovery (70-130)						
a,a,a-Trifluorotoluene (FID)	93.2		% Rec.	8021/8015	08/15/08	1
a,a,a-Trifluorotoluene (PID)	102.		% Rec.	8021/8015	08/15/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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REPORT OF ANALYSIS

Brett Kennedy
OXY USA - Grand Junction, CO
2754 Compass Dr., Ste. 170
Grand Junction, CO 81506

August 19, 2008

Date Received : August 14, 2008
Description : 697-15-57
Sample ID : 15-23 SPRING
Collected By : Brett Kennedy
Collection Date : 08/13/08 14:10

ESC Sample # : L359968-03

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	44.	1.0	mg/l	9056	08/14/08	1
Fluoride	BDL	0.10	mg/l	9056	08/14/08	1
Sulfate	6.1	5.0	mg/l	9056	08/14/08	1
Alkalinity	330	10.	mg/l	2320B	08/15/08	1
Alkalinity, Carbonate	BDL	10.	mg/l	2320B	08/15/08	1
pH	7.6		su	9040C	08/15/08	1
Dissolved Solids	420	10.	mg/l	2540C	08/15/08	1
Arsenic	0.025	0.020	mg/l	6010B	08/19/08	1
Barium	0.20	0.0050	mg/l	6010B	08/19/08	1
Calcium	70.	0.50	mg/l	6010B	08/19/08	1
Chromium	BDL	0.010	mg/l	6010B	08/19/08	1
Magnesium	28.	0.10	mg/l	6010B	08/19/08	1
Sodium	44.	0.50	mg/l	6010B	08/19/08	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	08/15/08	1
Acrolein	BDL	0.050	mg/l	8260B	08/15/08	1
Acrylonitrile	BDL	0.010	mg/l	8260B	08/15/08	1
Benzene	BDL	0.0010	mg/l	8260B	08/15/08	1
Bromobenzene	BDL	0.0010	mg/l	8260B	08/15/08	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	08/15/08	1
Bromoform	BDL	0.0010	mg/l	8260B	08/15/08	1
Bromomethane	BDL	0.0050	mg/l	8260B	08/15/08	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	08/15/08	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	08/15/08	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	08/15/08	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	08/15/08	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	08/15/08	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	08/15/08	1
Chloroethane	BDL	0.0050	mg/l	8260B	08/15/08	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	08/15/08	1
Chloroform	BDL	0.0050	mg/l	8260B	08/15/08	1
Chloromethane	BDL	0.0025	mg/l	8260B	08/15/08	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	08/15/08	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	08/15/08	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	08/15/08	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	08/15/08	1
Dibromomethane	BDL	0.0010	mg/l	8260B	08/15/08	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	08/15/08	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	08/15/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit (PQL)
L359968-03 (PH) - 7.6@22.2c



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Est. 1970

REPORT OF ANALYSIS

Brett Kennedy
OXY USA - Grand Junction, CO
2754 Compass Dr., Ste. 170
Grand Junction, CO 81506

August 19, 2008

Date Received : August 14, 2008
Description : 697-15-57

Sample ID : 15-23 SPRING

Collected By : Brett Kennedy
Collection Date : 08/13/08 14:10

ESC Sample # : L359968-03

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	08/15/08	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	08/15/08	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	08/15/08	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	08/15/08	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	08/15/08	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	08/15/08	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	08/15/08	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	08/15/08	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	08/15/08	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	08/15/08	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	08/15/08	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	08/15/08	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	08/15/08	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	08/15/08	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	08/15/08	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	08/15/08	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	08/15/08	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	08/15/08	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	08/15/08	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	08/15/08	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	08/15/08	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	08/15/08	1
Naphthalene	BDL	0.0050	mg/l	8260B	08/15/08	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	08/15/08	1
Styrene	BDL	0.0010	mg/l	8260B	08/15/08	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	08/15/08	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	08/15/08	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	08/15/08	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	08/15/08	1
Toluene	BDL	0.0050	mg/l	8260B	08/15/08	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	08/15/08	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	08/15/08	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	08/15/08	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	08/15/08	1
Trichloroethene	BDL	0.0010	mg/l	8260B	08/15/08	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	08/15/08	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	08/15/08	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	08/15/08	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	08/15/08	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	08/15/08	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	08/15/08	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	08/15/08	1
Surrogate Recovery						
Toluene-d8	98.5		% Rec.	8260B	08/15/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit (PQL)
L359968-03 (PH) - 7.6@22.2c



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Est. 1970

REPORT OF ANALYSIS

Brett Kennedy
OXY USA - Grand Junction, CO
2754 Compass Dr., Ste. 170
Grand Junction, CO 81506

August 19, 2008

Date Received : August 14, 2008
Description : 697-15-57

Sample ID : 15-23 SPRING

Collected By : Brett Kennedy
Collection Date : 08/13/08 14:10

ESC Sample # : L359968-03

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dibromofluoromethane	101.		% Rec.	8260B	08/15/08	1
4-Bromofluorobenzene	99.3		% Rec.	8260B	08/15/08	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.0010	mg/l	8270C	08/15/08	1
Acenaphthylene	BDL	0.0010	mg/l	8270C	08/15/08	1
Anthracene	BDL	0.0010	mg/l	8270C	08/15/08	1
Benidine	BDL	0.050	mg/l	8270C	08/15/08	1
Benzo(a)anthracene	BDL	0.0010	mg/l	8270C	08/15/08	1
Benzo(b)fluoranthene	BDL	0.0010	mg/l	8270C	08/15/08	1
Benzo(k)fluoranthene	BDL	0.0010	mg/l	8270C	08/15/08	1
Benzo(g,h,i)perylene	BDL	0.0010	mg/l	8270C	08/15/08	1
Benzo(a)pyrene	BDL	0.0010	mg/l	8270C	08/15/08	1
Bis(2-chlorethoxy)methane	BDL	0.010	mg/l	8270C	08/15/08	1
Bis(2-chloroethyl)ether	BDL	0.010	mg/l	8270C	08/15/08	1
Bis(2-chloroisopropyl)ether	BDL	0.010	mg/l	8270C	08/15/08	1
4-Bromophenyl-phenylether	BDL	0.010	mg/l	8270C	08/15/08	1
2-Chloronaphthalene	BDL	0.010	mg/l	8270C	08/15/08	1
4-Chlorophenyl-phenylether	BDL	0.010	mg/l	8270C	08/15/08	1
Chrysene	BDL	0.0010	mg/l	8270C	08/15/08	1
Dibenz(a,h)anthracene	BDL	0.0010	mg/l	8270C	08/15/08	1
3,3-Dichlorobenzidine	BDL	0.010	mg/l	8270C	08/15/08	1
2,4-Dinitrotoluene	BDL	0.010	mg/l	8270C	08/15/08	1
2,6-Dinitrotoluene	BDL	0.010	mg/l	8270C	08/15/08	1
Fluoranthene	BDL	0.0010	mg/l	8270C	08/15/08	1
Fluorene	BDL	0.0010	mg/l	8270C	08/15/08	1
Hexachlorobenzene	BDL	0.010	mg/l	8270C	08/15/08	1
Hexachloro-1,3-butadiene	BDL	0.010	mg/l	8270C	08/15/08	1
Hexachlorocyclopentadiene	BDL	0.010	mg/l	8270C	08/15/08	1
Hexachloroethane	BDL	0.010	mg/l	8270C	08/15/08	1
Indeno(1,2,3-cd)pyrene	BDL	0.0010	mg/l	8270C	08/15/08	1
Isophorone	BDL	0.010	mg/l	8270C	08/15/08	1
Naphthalene	BDL	0.0010	mg/l	8270C	08/15/08	1
Nitrobenzene	BDL	0.010	mg/l	8270C	08/15/08	1
n-Nitrosodimethylamine	BDL	0.050	mg/l	8270C	08/15/08	1
n-Nitrosodiphenylamine	BDL	0.010	mg/l	8270C	08/15/08	1
n-Nitrosodi-n-propylamine	BDL	0.010	mg/l	8270C	08/15/08	1
Phenanthrene	BDL	0.0010	mg/l	8270C	08/15/08	1
Benzylbutyl phthalate	BDL	0.010	mg/l	8270C	08/15/08	1
Bis(2-ethylhexyl)phthalate	BDL	0.010	mg/l	8270C	08/15/08	1
Di-n-butyl phthalate	BDL	0.010	mg/l	8270C	08/15/08	1
Diethyl phthalate	BDL	0.010	mg/l	8270C	08/15/08	1
Dimethyl phthalate	BDL	0.010	mg/l	8270C	08/15/08	1
Di-n-octyl phthalate	BDL	0.010	mg/l	8270C	08/15/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit (PQL)
L359968-03 (PH) - 7.6@22.2c



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REPORT OF ANALYSIS

Brett Kennedy
OXY USA - Grand Junction, CO
2754 Compass Dr., Ste. 170
Grand Junction, CO 81506

August 19, 2008

Date Received : August 14, 2008
Description : 697-15-57
Sample ID : 15-23 SPRING
Collected By : Brett Kennedy
Collection Date : 08/13/08 14:10

ESC Sample # : L359968-03

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Pyrene	BDL	0.0010	mg/l	8270C	08/15/08	1
1,2,4-Trichlorobenzene	BDL	0.010	mg/l	8270C	08/15/08	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.010	mg/l	8270C	08/15/08	1
2-Chlorophenol	BDL	0.010	mg/l	8270C	08/15/08	1
2,4-Dichlorophenol	BDL	0.010	mg/l	8270C	08/15/08	1
2,4-Dimethylphenol	BDL	0.010	mg/l	8270C	08/15/08	1
4,6-Dinitro-2-methylphenol	BDL	0.010	mg/l	8270C	08/15/08	1
2,4-Dinitrophenol	BDL	0.010	mg/l	8270C	08/15/08	1
2-Nitrophenol	BDL	0.010	mg/l	8270C	08/15/08	1
4-Nitrophenol	BDL	0.010	mg/l	8270C	08/15/08	1
Pentachlorophenol	BDL	0.010	mg/l	8270C	08/15/08	1
Phenol	BDL	0.010	mg/l	8270C	08/15/08	1
2,4,6-Trichlorophenol	BDL	0.010	mg/l	8270C	08/15/08	1
Surrogate Recovery						
Nitrobenzene-d5	31.4		% Rec.	8270C	08/15/08	1
2-Fluorobiphenyl	41.0		% Rec.	8270C	08/15/08	1
p-Terphenyl-d14	71.0		% Rec.	8270C	08/15/08	1
Phenol-d5	17.6		% Rec.	8270C	08/15/08	1
2-Fluorophenol	20.5		% Rec.	8270C	08/15/08	1
2,4,6-Tribromophenol	59.8		% Rec.	8270C	08/15/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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REPORT OF ANALYSIS

Brett Kennedy
OXY USA - Grand Junction, CO
2754 Compass Dr., Ste. 170
Grand Junction, CO 81506

August 19, 2008

Date Received : August 14, 2008
Description : 697-15-57

Sample ID : POND 1

Collected By : Brett Kennedy
Collection Date : 08/13/08 14:55

ESC Sample # : L359968-04

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	5700	50.	mg/l	9056	08/14/08	50
Fluoride	BDL	2.0	mg/l	9056	08/15/08	20
Sulfate	BDL	5.0	mg/l	9056	08/14/08	1
Alkalinity	640	30.	mg/l	2320B	08/15/08	3
Alkalinity, Carbonate	BDL	10.	mg/l	2320B	08/15/08	1
pH	6.7		su	9040C	08/15/08	1
Dissolved Solids	10000	10.	mg/l	2540C	08/15/08	1
Arsenic	BDL	0.020	mg/l	6010B	08/19/08	1
Barium	31.	0.0050	mg/l	6010B	08/19/08	1
Calcium	160	0.50	mg/l	6010B	08/19/08	1
Chromium	0.019	0.010	mg/l	6010B	08/19/08	1
Magnesium	31.	0.10	mg/l	6010B	08/19/08	1
Sodium	3400	2.5	mg/l	6010B	08/19/08	5
Volatile Organics						
Acetone	BDL	5.0	mg/l	8260B	08/15/08	100
Acrolein	BDL	5.0	mg/l	8260B	08/15/08	100
Acrylonitrile	BDL	1.0	mg/l	8260B	08/15/08	100
Benzene	3.2	0.10	mg/l	8260B	08/15/08	100
Bromobenzene	BDL	0.10	mg/l	8260B	08/15/08	100
Bromodichloromethane	BDL	0.10	mg/l	8260B	08/15/08	100
Bromoform	BDL	0.10	mg/l	8260B	08/15/08	100
Bromomethane	BDL	0.50	mg/l	8260B	08/15/08	100
n-Butylbenzene	BDL	0.10	mg/l	8260B	08/15/08	100
sec-Butylbenzene	BDL	0.10	mg/l	8260B	08/15/08	100
tert-Butylbenzene	BDL	0.10	mg/l	8260B	08/15/08	100
Carbon tetrachloride	BDL	0.10	mg/l	8260B	08/15/08	100
Chlorobenzene	BDL	0.10	mg/l	8260B	08/15/08	100
Chlorodibromomethane	BDL	0.10	mg/l	8260B	08/15/08	100
Chloroethane	BDL	0.50	mg/l	8260B	08/15/08	100
2-Chloroethyl vinyl ether	BDL	5.0	mg/l	8260B	08/15/08	100
Chloroform	BDL	0.50	mg/l	8260B	08/15/08	100
Chloromethane	BDL	0.25	mg/l	8260B	08/15/08	100
2-Chlorotoluene	BDL	0.10	mg/l	8260B	08/15/08	100
4-Chlorotoluene	BDL	0.10	mg/l	8260B	08/15/08	100
1,2-Dibromo-3-Chloropropane	BDL	0.50	mg/l	8260B	08/15/08	100
1,2-Dibromoethane	BDL	0.10	mg/l	8260B	08/15/08	100
Dibromomethane	BDL	0.10	mg/l	8260B	08/15/08	100
1,2-Dichlorobenzene	BDL	0.10	mg/l	8260B	08/15/08	100
1,3-Dichlorobenzene	BDL	0.10	mg/l	8260B	08/15/08	100

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit (PQL)
L359968-04 (PH) - 6.7@22.3c



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REPORT OF ANALYSIS

Brett Kennedy
OXY USA - Grand Junction, CO
2754 Compass Dr., Ste. 170
Grand Junction, CO 81506

August 19, 2008

Date Received : August 14, 2008
Description : 697-15-57

Sample ID : POND 1

Collected By : Brett Kennedy
Collection Date : 08/13/08 14:55

ESC Sample # : L359968-04

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,4-Dichlorobenzene	BDL	0.10	mg/l	8260B	08/15/08	100
Dichlorodifluoromethane	BDL	0.50	mg/l	8260B	08/15/08	100
1,1-Dichloroethane	BDL	0.10	mg/l	8260B	08/15/08	100
1,2-Dichloroethane	BDL	0.10	mg/l	8260B	08/15/08	100
1,1-Dichloroethene	BDL	0.10	mg/l	8260B	08/15/08	100
cis-1,2-Dichloroethene	BDL	0.10	mg/l	8260B	08/15/08	100
trans-1,2-Dichloroethene	BDL	0.10	mg/l	8260B	08/15/08	100
1,2-Dichloropropane	BDL	0.10	mg/l	8260B	08/15/08	100
1,1-Dichloropropene	BDL	0.10	mg/l	8260B	08/15/08	100
1,3-Dichloropropane	BDL	0.10	mg/l	8260B	08/15/08	100
cis-1,3-Dichloropropene	BDL	0.10	mg/l	8260B	08/15/08	100
trans-1,3-Dichloropropene	BDL	0.10	mg/l	8260B	08/15/08	100
2,2-Dichloropropane	BDL	0.10	mg/l	8260B	08/15/08	100
Di-isopropyl ether	BDL	0.10	mg/l	8260B	08/15/08	100
Ethylbenzene	0.13	0.10	mg/l	8260B	08/15/08	100
Hexachloro-1,3-butadiene	BDL	0.10	mg/l	8260B	08/15/08	100
Isopropylbenzene	BDL	0.10	mg/l	8260B	08/15/08	100
p-Isopropyltoluene	BDL	0.10	mg/l	8260B	08/15/08	100
2-Butanone (MEK)	BDL	1.0	mg/l	8260B	08/15/08	100
Methylene Chloride	BDL	0.50	mg/l	8260B	08/15/08	100
4-Methyl-2-pentanone (MIBK)	BDL	1.0	mg/l	8260B	08/15/08	100
Methyl tert-butyl ether	BDL	0.10	mg/l	8260B	08/15/08	100
Naphthalene	BDL	0.50	mg/l	8260B	08/15/08	100
n-Propylbenzene	BDL	0.10	mg/l	8260B	08/15/08	100
Styrene	BDL	0.10	mg/l	8260B	08/15/08	100
1,1,1,2-Tetrachloroethane	BDL	0.10	mg/l	8260B	08/15/08	100
1,1,2,2-Tetrachloroethane	BDL	0.10	mg/l	8260B	08/15/08	100
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.10	mg/l	8260B	08/15/08	100
Tetrachloroethene	BDL	0.10	mg/l	8260B	08/15/08	100
Toluene	5.4	0.50	mg/l	8260B	08/15/08	100
1,2,3-Trichlorobenzene	BDL	0.10	mg/l	8260B	08/15/08	100
1,2,4-Trichlorobenzene	BDL	0.10	mg/l	8260B	08/15/08	100
1,1,1-Trichloroethane	BDL	0.10	mg/l	8260B	08/15/08	100
1,1,2-Trichloroethane	BDL	0.10	mg/l	8260B	08/15/08	100
Trichloroethene	BDL	0.10	mg/l	8260B	08/15/08	100
Trichlorofluoromethane	BDL	0.50	mg/l	8260B	08/15/08	100
1,2,3-Trichloropropane	BDL	0.10	mg/l	8260B	08/15/08	100
1,2,4-Trimethylbenzene	0.40	0.10	mg/l	8260B	08/15/08	100
1,2,3-Trimethylbenzene	BDL	0.10	mg/l	8260B	08/15/08	100
1,3,5-Trimethylbenzene	0.36	0.10	mg/l	8260B	08/15/08	100
Vinyl chloride	BDL	0.10	mg/l	8260B	08/15/08	100
Xylenes, Total	2.6	0.30	mg/l	8260B	08/15/08	100
Surrogate Recovery						
Toluene-d8	96.8		% Rec.	8260B	08/15/08	100

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit (PQL)
L359968-04 (PH) - 6.7@22.3c



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Est. 1970

REPORT OF ANALYSIS

Brett Kennedy
OXY USA - Grand Junction, CO
2754 Compass Dr., Ste. 170
Grand Junction, CO 81506

August 19, 2008

Date Received : August 14, 2008
Description : 697-15-57

Sample ID : POND 1

Collected By : Brett Kennedy
Collection Date : 08/13/08 14:55

ESC Sample # : L359968-04

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dibromofluoromethane	95.6		% Rec.	8260B	08/15/08	100
4-Bromofluorobenzene	101.		% Rec.	8260B	08/15/08	100
Base/Neutral Extractables						
Acenaphthene	BDL	0.0010	mg/l	8270C	08/15/08	1
Acenaphthylene	BDL	0.0010	mg/l	8270C	08/15/08	1
Anthracene	BDL	0.0010	mg/l	8270C	08/15/08	1
Benidine	BDL	0.050	mg/l	8270C	08/15/08	1
Benzo(a)anthracene	BDL	0.0010	mg/l	8270C	08/15/08	1
Benzo(b)fluoranthene	BDL	0.0010	mg/l	8270C	08/15/08	1
Benzo(k)fluoranthene	BDL	0.0010	mg/l	8270C	08/15/08	1
Benzo(g,h,i)perylene	BDL	0.0010	mg/l	8270C	08/15/08	1
Benzo(a)pyrene	BDL	0.0010	mg/l	8270C	08/15/08	1
Bis(2-chlorethoxy)methane	BDL	0.010	mg/l	8270C	08/15/08	1
Bis(2-chloroethyl)ether	BDL	0.010	mg/l	8270C	08/15/08	1
Bis(2-chloroisopropyl)ether	BDL	0.010	mg/l	8270C	08/15/08	1
4-Bromophenyl-phenylether	BDL	0.010	mg/l	8270C	08/15/08	1
2-Chloronaphthalene	BDL	0.010	mg/l	8270C	08/15/08	1
4-Chlorophenyl-phenylether	BDL	0.010	mg/l	8270C	08/15/08	1
Chrysene	BDL	0.0010	mg/l	8270C	08/15/08	1
Dibenz(a,h)anthracene	BDL	0.0010	mg/l	8270C	08/15/08	1
3,3-Dichlorobenzidine	BDL	0.010	mg/l	8270C	08/15/08	1
2,4-Dinitrotoluene	BDL	0.010	mg/l	8270C	08/15/08	1
2,6-Dinitrotoluene	BDL	0.010	mg/l	8270C	08/15/08	1
Fluoranthene	BDL	0.0010	mg/l	8270C	08/15/08	1
Fluorene	0.0028	0.0010	mg/l	8270C	08/15/08	1
Hexachlorobenzene	BDL	0.010	mg/l	8270C	08/15/08	1
Hexachloro-1,3-butadiene	BDL	0.010	mg/l	8270C	08/15/08	1
Hexachlorocyclopentadiene	BDL	0.010	mg/l	8270C	08/15/08	1
Hexachloroethane	BDL	0.010	mg/l	8270C	08/15/08	1
Indeno(1,2,3-cd)pyrene	BDL	0.0010	mg/l	8270C	08/15/08	1
Isophorone	BDL	0.010	mg/l	8270C	08/15/08	1
Naphthalene	0.020	0.0010	mg/l	8270C	08/15/08	1
Nitrobenzene	BDL	0.010	mg/l	8270C	08/15/08	1
n-Nitrosodimethylamine	BDL	0.050	mg/l	8270C	08/15/08	1
n-Nitrosodiphenylamine	BDL	0.010	mg/l	8270C	08/15/08	1
n-Nitrosodi-n-propylamine	BDL	0.010	mg/l	8270C	08/15/08	1
Phenanthrene	0.0020	0.0010	mg/l	8270C	08/15/08	1
Benzylbutyl phthalate	BDL	0.010	mg/l	8270C	08/15/08	1
Bis(2-ethylhexyl)phthalate	BDL	0.010	mg/l	8270C	08/15/08	1
Di-n-butyl phthalate	BDL	0.010	mg/l	8270C	08/15/08	1
Diethyl phthalate	BDL	0.010	mg/l	8270C	08/15/08	1
Dimethyl phthalate	BDL	0.010	mg/l	8270C	08/15/08	1
Di-n-octyl phthalate	BDL	0.010	mg/l	8270C	08/15/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

L359968-04 (PH) - 6.7@22.3c



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REPORT OF ANALYSIS

Brett Kennedy
OXY USA - Grand Junction, CO
2754 Compass Dr., Ste. 170
Grand Junction, CO 81506

August 19, 2008

Date Received : August 14, 2008
Description : 697-15-57

Sample ID : POND 1

Collected By : Brett Kennedy
Collection Date : 08/13/08 14:55

ESC Sample # : L359968-04

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Pyrene	BDL	0.0010	mg/l	8270C	08/15/08	1
1,2,4-Trichlorobenzene	BDL	0.010	mg/l	8270C	08/15/08	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.010	mg/l	8270C	08/15/08	1
2-Chlorophenol	BDL	0.010	mg/l	8270C	08/15/08	1
2,4-Dichlorophenol	BDL	0.010	mg/l	8270C	08/15/08	1
2,4-Dimethylphenol	0.057	0.010	mg/l	8270C	08/15/08	1
4,6-Dinitro-2-methylphenol	BDL	0.010	mg/l	8270C	08/15/08	1
2,4-Dinitrophenol	BDL	0.010	mg/l	8270C	08/15/08	1
2-Nitrophenol	BDL	0.010	mg/l	8270C	08/15/08	1
4-Nitrophenol	BDL	0.010	mg/l	8270C	08/15/08	1
Pentachlorophenol	BDL	0.010	mg/l	8270C	08/15/08	1
Phenol	0.10	0.010	mg/l	8270C	08/15/08	1
2,4,6-Trichlorophenol	BDL	0.010	mg/l	8270C	08/15/08	1
Surrogate Recovery						
Nitrobenzene-d5	36.1		% Rec.	8270C	08/15/08	1
2-Fluorobiphenyl	41.8		% Rec.	8270C	08/15/08	1
p-Terphenyl-d14	65.4		% Rec.	8270C	08/15/08	1
Phenol-d5	31.1		% Rec.	8270C	08/15/08	1
2-Fluorophenol	28.1		% Rec.	8270C	08/15/08	1
2,4,6-Tribromophenol	112.		% Rec.	8270C	08/15/08	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: 08/19/08 15:39 Printed: 08/19/08 15:39
L359968-04 (PH) - 6.7@22.3c

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L359968-01	pH	T8
	Benzo (b) fluoranthene	J4
	Benzo (k) fluoranthene	J4
	Alkalinity	J6
L359968-03	pH	T8
	Benzo (b) fluoranthene	J4
	Benzo (k) fluoranthene	J4
	Acrolein	J3
L359968-04	pH	T8
	Fluoride	O
	Benzo (b) fluoranthene	J4
	Benzo (k) fluoranthene	J4
	2,4-Dimethylphenol	E
	Phenol	E

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
E	GTL (EPA) - Greater than upper calibration limit: Actual value is known to be greater than the upper calibration range.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low
O	(ESC) Sample diluted due to matrix interferences that impaired the ability to make an accurate analytical determination. The detection limit is elevated in order to reflect the necessary dilution.
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
08/19/08 at 15:39:59

TSR Signing Reports: 134
R4 - Rush: Three Day

expect MSA

Sample: L359968-01 Account: OXYGJCO Received: 08/14/08 09:00 Due Date: 08/19/08 00:00 RPT Date: 08/19/08 15:39
PH adjusted at 1135 on 8/14.

Sample: L359968-02 Account: OXYGJCO Received: 08/14/08 09:00 Due Date: 08/19/08 00:00 RPT Date: 08/19/08 15:39

Sample: L359968-03 Account: OXYGJCO Received: 08/14/08 09:00 Due Date: 08/19/08 00:00 RPT Date: 08/19/08 15:39
PH adjusted at 1135 on 8/14.

Sample: L359968-04 Account: OXYGJCO Received: 08/14/08 09:00 Due Date: 08/19/08 00:00 RPT Date: 08/19/08 15:39
PH adjusted at 1135 on 8/14.

Company Name/Address:

OXY USA - Grand Junction, CO

2754 Compass Dr., Ste. 170
Grand Junction, CO 81506

Alternate billing information:

Report to: *Brett Kennedy*
Email to: *brett.kennedy@oxy.com*

Project Description: *097-15-54*

Phone: (970) 263-3601
FAX:

Client Project #:

ESC Key:

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 ☐ Yes
FAX? ☒ No ☐ Yes

No of Cnts

Sample ID

Comp/Grab

Matrix*

Depth

Date

Time

Spring 2
In Grand Tank

6m6
1720
Subs
1504
1510

Analysis/Container/Preservative

Chain of Custody
Page ___ of ___

Prepared by:

**ENVIRONMENTAL
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FAX (615) 758-5859

5

CoCode: OXYGJCO (lab use only)

Template/Prelogin

Shipped Via:

Remarks/Contaminant

Sample # (lab only)

13616901
02

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

Remarks:

pH

Temp

Flow

Other

8648 4806 0347

Relinquished by (Signature): *[Signature]*

Date: *8/11/08*

Received by: (Signature)

Samples returned via: ☒ UPS ☐ FedEx ☐ Courier

Condition:

(lab use only)

Relinquished by (Signature): *[Signature]*

Date:

Received by: (Signature)

Temp: *3.1°C*

Condition:

(lab use only)

Relinquished by (Signature): *[Signature]*

Date:

Received by: (Signature)

Date: *8-23-08*

Condition:

(lab use only)

Relinquished by (Signature): *[Signature]*

Date:

Received by: (Signature)

Time: *0900*

Condition:

(lab use only)



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Brett Kennedy
OXY USA - Grand Junction, CO
2754 Compass Dr., Ste. 170

Grand Junction, CO 81506

Report Summary

Tuesday August 26, 2008

Report Number: L361619

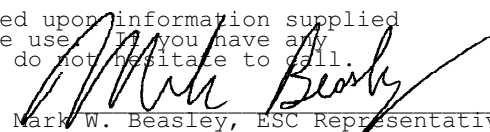
Samples Received: 08/23/08

Client Project:

Description: 697-15-54

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Entire Report Reviewed By:


Mark W. Beasley, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 09227, 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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2 Samples Reported: 08/26/08 13:03 Printed: 08/26/08 13:03

Page 1 of 3



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Est. 1970

REPORT OF ANALYSIS

Brett Kennedy
OXY USA - Grand Junction, CO
2754 Compass Dr., Ste. 170
Grand Junction, CO 81506

August 26, 2008

Date Received : August 23, 2008
Description : 697-15-54
Sample ID : SPRING 2
Collected By : Brett Kennedy
Collection Date : 08/22/08 15:04

ESC Sample # : L361619-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	0.041	0.00050	mg/l	8021/8015	08/25/08	1
Toluene	BDL	0.0050	mg/l	8021/8015	08/25/08	1
Ethylbenzene	0.0041	0.00050	mg/l	8021/8015	08/25/08	1
Total Xylene	0.041	0.0015	mg/l	8021/8015	08/25/08	1
TPH (GC/FID) Low Fraction	0.18	0.10	mg/l	GRO	08/25/08	1
Surrogate Recovery (70-130)						
a,a,a-Trifluorotoluene (FID)	93.8		% Rec.	602/8015	08/25/08	1
a,a,a-Trifluorotoluene (PID)	101.		% Rec.	602/8015	08/25/08	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: 08/26/08 13:03 Printed: 08/26/08 13:03



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REPORT OF ANALYSIS

Brett Kennedy
OXY USA - Grand Junction, CO
2754 Compass Dr., Ste. 170
Grand Junction, CO 81506

August 26, 2008

Date Received : August 23, 2008
Description : 697-15-54
Sample ID : IN GROUND TANK
Collected By : Brett Kennedy
Collection Date : 08/22/08 15:10

ESC Sample # : L361619-02

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	0.052	0.00050	mg/l	8021/8015	08/25/08	1
Toluene	BDL	0.0050	mg/l	8021/8015	08/25/08	1
Ethylbenzene	0.0051	0.00050	mg/l	8021/8015	08/25/08	1
Total Xylene	0.050	0.0015	mg/l	8021/8015	08/25/08	1
TPH (GC/FID) Low Fraction	0.23	0.10	mg/l	GRO	08/25/08	1
Surrogate Recovery (70-130)						
a,a,a-Trifluorotoluene (FID)	93.9		% Rec.	602/8015	08/25/08	1
a,a,a-Trifluorotoluene (PID)	102.		% Rec.	602/8015	08/25/08	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: 08/26/08 13:03 Printed: 08/26/08 13:03

Summary of Remarks For Samples Printed
08/26/08 at 13:03:54

TSR Signing Reports: 134
R2 - Rush: Next Day

expect MSA

Sample: L361619-01 Account: OXYGJCO Received: 08/23/08 09:00 Due Date: 08/26/08 00:00 RPT Date: 08/26/08 13:03

Sample: L361619-02 Account: OXYGJCO Received: 08/23/08 09:00 Due Date: 08/26/08 00:00 RPT Date: 08/26/08 13:03



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Tax I.D. 62-0814289

Est. 1970

Mr. Brett Kennedy
OXY USA - Grand Junction, CO
2754 Compass Dr., Ste. 170

Grand Junction, CO 81506

Report Summary

Sunday August 31, 2008

Report Number: L362513

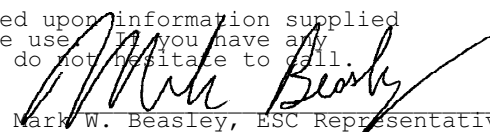
Samples Received: 08/29/08

Client Project:

Description: 697-15-54

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Entire Report Reviewed By:


Mark W. Beasley, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 09227, 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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1 Samples Reported: 08/31/08 14:25 Printed: 08/31/08 14:25

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REPORT OF ANALYSIS

Mr. Brett Kennedy
OXY USA - Grand Junction, CO
2754 Compass Dr., Ste. 170
Grand Junction, CO 81506

August 31, 2008

Date Received : August 29, 2008
Description : 697-15-54
Sample ID : SPRING 2
Collected By : Brett Kennedy
Collection Date : 08/27/08 14:45

ESC Sample # : L362513-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	0.044	0.00050	mg/l	602/8015	08/29/08	1
Toluene	BDL	0.0050	mg/l	602/8015	08/29/08	1
Ethylbenzene	0.0042	0.00050	mg/l	602/8015	08/29/08	1
Total Xylene	0.043	0.0015	mg/l	602/8015	08/29/08	1
TPH (GC/FID) Low Fraction	0.27	0.10	mg/l	TNGRO	08/29/08	1
Surrogate Recovery (70-130)						
a,a,a-Trifluorotoluene (FID)	96.9		% Rec.	602/8015	08/29/08	1
a,a,a-Trifluorotoluene (PID)	105.		% Rec.	602/8015	08/29/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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Reported: 08/31/08 14:25 Printed: 08/31/08 14:25

Summary of Remarks For Samples Printed
08/31/08 at 14:25:59

TSR Signing Reports: 134
R2 - Rush: Next Day

expect MSA

Sample: L362513-01 Account: OXYGJCO Received: 08/29/08 09:00 Due Date: 09/02/08 00:00 RPT Date: 08/31/08 14:25

Company Name/Address: Walsh Env.- Grand Junction 535 Grand Avenue Grand Junction, CO 81501		Alternate billing information: OXY USA - Grand Tot CO 2754 compass dr. ste 170 GJ CO 81506		Analysis/Container/Preservative Ag, Ba, Be, Cd, Cr, Cu, Pb, Hg, Ni, Se, Ag, Zn		Prepared by: ENVIRONMENTAL SCIENCE CORP. 12065 Lebanon Road Mt. Juliet, TN 37122 Phone (615) 758-5858 Phone (800) 767-5859 FAX (615) 758-5859		Chain of Custody Page <u> </u> of <u> </u>			
Report to: Project Description: 15-54 PAD PIT Phone: (970) 241-4636 FAX:		Email to: Bret Kennedy & Son - Lim ebaltzer@walshenv.com City/State Collected: Garco / CO ESC Key:		City/State Collected:		CoCode: WALSHGJC (lab use only) Template: Prelogin Shipped Via:		Remarks/Contaminant:		Sample # (lab only): L363194-8	
Collected by: BLAIR ROLLINS Collected by (signature): <i>Blair Rollins</i> Immediately Packed on Ice N <u>Y</u> <u>✓</u>		Site/Facility ID#: 7830-180 P.O.#: 7830-180		Date Results Needed: Email? <u>No</u> <u>✓</u> Yes FAX? <u>No</u> <u>✓</u> Yes		No of Cntrs:		Date:		Time:	
Sample ID: 697-15-54		Comp/Grab: Grab		Matrix: SS		Depth: NA		Date: 9/2/08		Time: 1117	

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

pH Temp

Remarks: **Results by Sept-8 Noon eastern time, Please**

Relinquished by: (Signature) <i>Blair Rollins</i>	Date: 9/3/08	Time: 1700	Received by: (Signature) FED EX	Date: 9/3/08	Time: 1700	Samples returned via: <input checked="" type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Counter	Condition: (lab use only) OK
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:	Bottles Received: 46	CoC Seals Intact: Y <u> </u> N <u> </u> NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) <i>John Carr</i>	Date: 9-4-08	Time: 0900	pH Checked: 0900	NCF: 0900



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Brett Kennedy
Walsh Env.- Grand Junction
535 Grand Avenue

Grand Junction, CO 81501

Report Summary

Wednesday September 10, 2008

Report Number: L363194

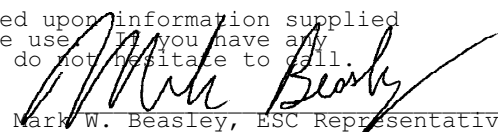
Samples Received: 09/04/08

Client Project: 7830-180

Description: 15-54 Pad Pit

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 - 09227, 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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1 Samples Reported: 09/09/08 16:02 Revised: 09/10/08 09:41

Page 1 of 2



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REPORT OF ANALYSIS

Brett Kennedy
Walsh Env.- Grand Junction
535 Grand Avenue
Grand Junction, CO 81501

September 10, 2008

Date Received : September 04, 2008
Description : 15-54 Pad Pit
Sample ID : 697-15-54
Collected By : Blair Rollins
Collection Date : 09/02/08 11:17

ESC Sample # : L363194-01

Site ID :

Project # : 7830-180

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
pH	8.5		su	9045D	09/06/08	1
Sodium Adsorption Ratio	2.4			Calc.	09/09/08	1
Specific Conductance	720		umhos/cm	9050AMod	09/08/08	1
Mercury	BDL	0.020	mg/kg	7471	09/08/08	1
Arsenic	4.4	1.0	mg/kg	6010B	09/06/08	1
Barium	170	0.25	mg/kg	6010B	09/06/08	1
Boron	BDL	10.	mg/kg	6010B	09/06/08	1
Cadmium	0.61	0.25	mg/kg	6010B	09/06/08	1
Chromium	58.	0.50	mg/kg	6010B	09/06/08	1
Copper	4.8	1.0	mg/kg	6010B	09/06/08	1
Lead	10.	0.25	mg/kg	6010B	09/06/08	1
Nickel	25.	1.0	mg/kg	6010B	09/06/08	1
Selenium	9.1	1.0	mg/kg	6010B	09/06/08	1
Silver	BDL	0.50	mg/kg	6010B	09/06/08	1
Zinc	35.	1.5	mg/kg	6010B	09/06/08	1
Benzene	BDL	0.0025	mg/kg	8021/8015	09/05/08	5
Toluene	BDL	0.025	mg/kg	8021/8015	09/05/08	5
Ethylbenzene	BDL	0.0025	mg/kg	8021/8015	09/05/08	5
Total Xylene	BDL	0.0075	mg/kg	8021/8015	09/05/08	5
TPH (GC/FID) Low Fraction	BDL	0.50	mg/kg	GRO	09/05/08	5
Surrogate Recovery (70-130)						
a,a,a-Trifluorotoluene (FID)	93.7		% Rec.	8021/8015	09/05/08	5
a,a,a-Trifluorotoluene (PID)	102.		% Rec.	8021/8015	09/05/08	5
TPH (GC/FID) High Fraction	BDL	4.0	mg/kg	3546/DRO	09/05/08	1
Surrogate Recovery (50-150)						
o-Terphenyl	98.3		% Rec.	3546/DRO	09/05/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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Reported: 09/09/08 16:02 Revised: 09/10/08 09:41
L363194-01 (PH) - 8.5@21.0c

Summary of Remarks For Samples Printed
09/10/08 at 09:41:26

TSR Signing Reports: 134
R3 - Rush: Two Day

Sample: L363194-01 Account: WALSHGJCO Received: 09/04/08 09:00 Due Date: 09/08/08 00:00 RPT Date: 09/09/08 16:02

Company Name/Address: Walsh Env.- Grand Junction 535 Grand Avenue Grand Junction, CO 81501		Alternate billing information: Email to: <i>dsponer@walshenv.com</i>		Analysis/Container/Preservative		Chain of Custody Page <u>1</u> of <u>1</u>	
Report to: <i>David Spencer</i> Project: <i>OXY NOAV</i> Description: <i>De Beque, Colorado</i> Phone: (970) 241-4636 FAX:		Client Project #: <i>7830-180</i> Site/Facility ID#: <i>2213-54</i> P.O.#:		CoCode: WALSHGJC (lab use only) Template/Prelogin Shipped Via:		Prepared by:	
Collected by: <i>Spencer, David</i> Collected by (signature): <i>[Signature]</i> Immediately Packed on Ice N <u> </u> Y <u> </u>		Date Results Needed: Same Day <u> </u> 200% Next Day <u> </u> 100% Two Day <u> </u> 50% Three Day <u> </u> 25%		Date E-mail? <u> </u> No <u> </u> Yes FAX? <u> </u> No <u> </u> Yes		Remarks/Contaminant Sample # (lab only)	
Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	
SS-1	Grab	SS	3-6"	17 Sept	10:45	1	BTX
SS-2	Grab	SS	3-6"	17 Sept	10:27	1	TUH
MW-2	Grab	SS	6.8'	17 Sept	14:00	1	
MW-3	Grab	SS	12'	18 Sept	11:28	1	
MW-4	Grab	SS	8.5'	18 Sept	16:20	1	
MW-1-1	Grab	SS	7'	19 Sept	10:47	1	
MW-1-2	Grab	SS	17'	19 Sept	11:27	1	
MW-1-3	Grab	SS	26'	19 Sept	12:45	1	

Matrix: SS - Soil/Solid GW - Groundwater WW - Wastewater DW - Drinking Water OT - Other		pH _____ Temp _____	
Relinquished by: (Signature) <i>[Signature]</i> Date: <i>9/19/08</i>		Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier	
Relinquished by: (Signature) <i>[Signature]</i> Date:		Condition: (lab use only)	
Relinquished by: (Signature) <i>[Signature]</i> Date:		CoC Seals Intact: Y <u> </u> N <u> </u> NA	
Temp: <i>22.3</i>		Bottles Received: <i>8-302</i>	
Date: <i>9/22/08</i>		Time: <i>0930</i>	
Received for lab by: (Signature) <i>[Signature]</i> Date:		pH Checked: <i>X</i>	

ENVIRONMENTAL SCIENCE CORP.

SAMPLE NON-CONFORMANCE FORM

Sample No. : 1366363

Date: 9/22/08

Evaluated by: Matt S.

Client: WALSINGHAM

Rush

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 in tact |
| <input type="checkbox"/> Parameter(s) past holding time | <input checked="" type="checkbox"/> Improper temperature |
| <input 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 @ 22.8 degrees

Login Instructions:

TSR Initials: MB

Client informed by call email / fax / voice mail date: 9/22/08 time: 1:00

Client contact: David Spencer

- Rvn as rec'd

- log as rec'd due 9/23



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David Spencer
Walsh Env.- Grand Junction
535 Grand Avenue

Grand Junction, CO 81501

Case Narrative

Tuesday September 23, 2008

Report Number: L366308

Samples Received: 09/22/08

Client Project: 7830-180

Description: OXY NOAV

Sample Receiving

The samples were received in proper containers and in good condition.

Data

All samples were treated according to method protocol, no other treatment was necessary.

All Samples were extracted and analyzed within appropriate holding times.

QA/QC was within acceptable ranges. See Qualifiers where applicable.

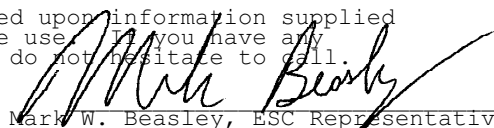
I certify that, for other than the conditions detailed herein, this data package is in compliance with the terms and conditions of this Agreement, both technically and for completeness. Release of this data has been authorized by the Laboratory Manager or his designee.

Other Comments

Samples were received at 22.8 degrees Celsius.

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 - 09227, 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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8 Samples Reported: 09/23/08 14:56 Printed: 09/23/08 14:56

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REPORT OF ANALYSIS

David Spencer
Walsh Env.- Grand Junction
535 Grand Avenue
Grand Junction, CO 81501

September 23, 2008

Date Received : September 22, 2008
Description : OXY NOAV
Sample ID : SS-1 3-6 IN
Collected By : Spencer David
Collection Date : 09/17/08 10:15

ESC Sample # : L366308-01

Site ID : CC-15-54

Project # : 7830-180

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.0025	mg/kg	8021/8015	09/23/08	5
Toluene	BDL	0.025	mg/kg	8021/8015	09/23/08	5
Ethylbenzene	BDL	0.0025	mg/kg	8021/8015	09/23/08	5
Total Xylene	BDL	0.0075	mg/kg	8021/8015	09/23/08	5
TPH (GC/FID) Low Fraction	BDL	0.50	mg/kg	GRO	09/23/08	5
Surrogate Recovery (70-130)						
a,a,a-Trifluorotoluene (FID)	93.4		% Rec.	8021/8015	09/23/08	5
a,a,a-Trifluorotoluene (PID)	102.		% Rec.	8021/8015	09/23/08	5

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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REPORT OF ANALYSIS

David Spencer
Walsh Env.- Grand Junction
535 Grand Avenue
Grand Junction, CO 81501

September 23, 2008

Date Received : September 22, 2008
Description : OXY NOAV
Sample ID : SS-2 3-6 IN
Collected By : Spencer David
Collection Date : 09/17/08 10:27

ESC Sample # : L366308-02

Site ID : CC-15-54

Project # : 7830-180

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.0025	mg/kg	8021/8015	09/23/08	5
Toluene	BDL	0.025	mg/kg	8021/8015	09/23/08	5
Ethylbenzene	BDL	0.0025	mg/kg	8021/8015	09/23/08	5
Total Xylene	BDL	0.0075	mg/kg	8021/8015	09/23/08	5
TPH (GC/FID) Low Fraction	BDL	0.50	mg/kg	GRO	09/23/08	5
Surrogate Recovery (70-130)						
a,a,a-Trifluorotoluene (FID)	93.1		% Rec.	8021/8015	09/23/08	5
a,a,a-Trifluorotoluene (PID)	103.		% Rec.	8021/8015	09/23/08	5

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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REPORT OF ANALYSIS

David Spencer
Walsh Env.- Grand Junction
535 Grand Avenue
Grand Junction, CO 81501

September 23, 2008

Date Received : September 22, 2008
Description : OXY NOAV
Sample ID : MW-2 6.8 IN
Collected By : Spencer David
Collection Date : 09/17/08 14:00

ESC Sample # : L366308-03

Site ID : CC-15-54

Project # : 7830-180

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.0025	mg/kg	8021/8015	09/23/08	5
Toluene	BDL	0.025	mg/kg	8021/8015	09/23/08	5
Ethylbenzene	BDL	0.0025	mg/kg	8021/8015	09/23/08	5
Total Xylene	BDL	0.0075	mg/kg	8021/8015	09/23/08	5
TPH (GC/FID) Low Fraction	BDL	0.50	mg/kg	GRO	09/23/08	5
Surrogate Recovery (70-130)						
a,a,a-Trifluorotoluene (FID)	93.4		% Rec.	8021/8015	09/23/08	5
a,a,a-Trifluorotoluene (PID)	102.		% Rec.	8021/8015	09/23/08	5

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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REPORT OF ANALYSIS

David Spencer
Walsh Env.- Grand Junction
535 Grand Avenue
Grand Junction, CO 81501

September 23, 2008

Date Received : September 22, 2008
Description : OXY NOAV
Sample ID : MW-3 12 FT
Collected By : Spencer David
Collection Date : 09/18/08 11:28

ESC Sample # : L366308-04

Site ID : CC-15-54

Project # : 7830-180

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.0025	mg/kg	8021/8015	09/23/08	5
Toluene	BDL	0.025	mg/kg	8021/8015	09/23/08	5
Ethylbenzene	BDL	0.0025	mg/kg	8021/8015	09/23/08	5
Total Xylene	BDL	0.0075	mg/kg	8021/8015	09/23/08	5
TPH (GC/FID) Low Fraction	BDL	0.50	mg/kg	GRO	09/23/08	5
Surrogate Recovery (70-130)						
a,a,a-Trifluorotoluene (FID)	93.6		% Rec.	8021/8015	09/23/08	5
a,a,a-Trifluorotoluene (PID)	102.		% Rec.	8021/8015	09/23/08	5

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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REPORT OF ANALYSIS

David Spencer
Walsh Env.- Grand Junction
535 Grand Avenue
Grand Junction, CO 81501

September 23, 2008

Date Received : September 22, 2008
Description : OXY NOAV
Sample ID : MW-4 8.5 FT
Collected By : Spencer David
Collection Date : 09/18/08 16:20

ESC Sample # : L366308-05

Site ID : CC-15-54

Project # : 7830-180

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.0025	mg/kg	8021/8015	09/23/08	5
Toluene	BDL	0.025	mg/kg	8021/8015	09/23/08	5
Ethylbenzene	BDL	0.0025	mg/kg	8021/8015	09/23/08	5
Total Xylene	BDL	0.0075	mg/kg	8021/8015	09/23/08	5
TPH (GC/FID) Low Fraction	BDL	0.50	mg/kg	GRO	09/23/08	5
Surrogate Recovery (70-130)						
a,a,a-Trifluorotoluene (FID)	93.4		% Rec.	8021/8015	09/23/08	5
a,a,a-Trifluorotoluene (PID)	102.		% Rec.	8021/8015	09/23/08	5

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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Reported: 09/23/08 14:56 Printed: 09/23/08 14:56



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REPORT OF ANALYSIS

David Spencer
Walsh Env.- Grand Junction
535 Grand Avenue
Grand Junction, CO 81501

September 23, 2008

Date Received : September 22, 2008
Description : OXY NOAV
Sample ID : MW-1-1 7 FT
Collected By : Spencer David
Collection Date : 09/19/08 10:47

ESC Sample # : L366308-06

Site ID : CC-15-54

Project # : 7830-180

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.0025	mg/kg	8021/8015	09/23/08	5
Toluene	BDL	0.025	mg/kg	8021/8015	09/23/08	5
Ethylbenzene	BDL	0.0025	mg/kg	8021/8015	09/23/08	5
Total Xylene	BDL	0.0075	mg/kg	8021/8015	09/23/08	5
TPH (GC/FID) Low Fraction	BDL	0.50	mg/kg	GRO	09/23/08	5
Surrogate Recovery (70-130)						
a,a,a-Trifluorotoluene (FID)	94.0		% Rec.	8021/8015	09/23/08	5
a,a,a-Trifluorotoluene (PID)	103.		% Rec.	8021/8015	09/23/08	5

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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Reported: 09/23/08 14:56 Printed: 09/23/08 14:56



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REPORT OF ANALYSIS

David Spencer
Walsh Env.- Grand Junction
535 Grand Avenue
Grand Junction, CO 81501

September 23, 2008

Date Received : September 22, 2008
Description : OXY NOAV
Sample ID : MW-1-2 17 FT
Collected By : Spencer David
Collection Date : 09/19/08 11:27

ESC Sample # : L366308-07

Site ID : CC-15-54

Project # : 7830-180

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.0025	mg/kg	8021/8015	09/23/08	5
Toluene	BDL	0.025	mg/kg	8021/8015	09/23/08	5
Ethylbenzene	BDL	0.0025	mg/kg	8021/8015	09/23/08	5
Total Xylene	BDL	0.0075	mg/kg	8021/8015	09/23/08	5
TPH (GC/FID) Low Fraction	BDL	0.50	mg/kg	GRO	09/23/08	5
Surrogate Recovery (70-130)						
a,a,a-Trifluorotoluene (FID)	93.6		% Rec.	8021/8015	09/23/08	5
a,a,a-Trifluorotoluene (PID)	102.		% Rec.	8021/8015	09/23/08	5

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: 09/23/08 14:56 Printed: 09/23/08 14:56



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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

David Spencer
Walsh Env.- Grand Junction
535 Grand Avenue
Grand Junction, CO 81501

September 23, 2008

Date Received : September 22, 2008
Description : OXY NOAV
Sample ID : MW-1-3 26 FT
Collected By : Spencer David
Collection Date : 09/19/08 12:45

ESC Sample # : L366308-08

Site ID : CC-15-54

Project # : 7830-180

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.0025	mg/kg	8021/8015	09/23/08	5
Toluene	BDL	0.025	mg/kg	8021/8015	09/23/08	5
Ethylbenzene	BDL	0.0025	mg/kg	8021/8015	09/23/08	5
Total Xylene	BDL	0.0075	mg/kg	8021/8015	09/23/08	5
TPH (GC/FID) Low Fraction	BDL	0.50	mg/kg	GRO	09/23/08	5
Surrogate Recovery (70-130)						
a,a,a-Trifluorotoluene (FID)	93.8		% Rec.	8021/8015	09/23/08	5
a,a,a-Trifluorotoluene (PID)	103.		% Rec.	8021/8015	09/23/08	5

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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Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L366308-01	Benzene	J5

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high

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
09/23/08 at 14:56:43

TSR Signing Reports: 134
R2 - Rush: Next Day

Sample: L366308-01 Account: WALSHGJCO Received: 09/22/08 09:30 Due Date: 09/23/08 00:00 RPT Date: 09/23/08 14:56
Sample: L366308-02 Account: WALSHGJCO Received: 09/22/08 09:30 Due Date: 09/23/08 00:00 RPT Date: 09/23/08 14:56
Sample: L366308-03 Account: WALSHGJCO Received: 09/22/08 09:30 Due Date: 09/23/08 00:00 RPT Date: 09/23/08 14:56
Sample: L366308-04 Account: WALSHGJCO Received: 09/22/08 09:30 Due Date: 09/23/08 00:00 RPT Date: 09/23/08 14:56
Sample: L366308-05 Account: WALSHGJCO Received: 09/22/08 09:30 Due Date: 09/23/08 00:00 RPT Date: 09/23/08 14:56
Sample: L366308-06 Account: WALSHGJCO Received: 09/22/08 09:30 Due Date: 09/23/08 00:00 RPT Date: 09/23/08 14:56
Sample: L366308-07 Account: WALSHGJCO Received: 09/22/08 09:30 Due Date: 09/23/08 00:00 RPT Date: 09/23/08 14:56
Sample: L366308-08 Account: WALSHGJCO Received: 09/22/08 09:30 Due Date: 09/23/08 00:00 RPT Date: 09/23/08 14:56

[illegible]

ENVIRONMENTAL SCIENCE CORP.

SAMPLE NON-CONFORMANCE FORM

Sample No. : L361171 (9)

Date: 9.10.08

Evaluated by: Jason D

Client: OKYGXO

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 in tact |
| <input type="checkbox"/> Parameter(s) past holding time | <input type="checkbox"/> Improper temperature |
| <input 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: clarify metals analysis. Waters are unpreserved
& non-filtered

Login Instructions:

TSR Initials: MB

Client informed by (call) email / fax / voice mail date: 9/10/08 time: 1115

Client contact: Brett Kennedy

- Preserve + run total metals



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Mr. Brett Kennedy
OXY USA - Grand Junction, CO
2754 Compass Dr., Ste. 170

Grand Junction, CO 81506

Report Summary

Sunday September 14, 2008

Report Number: L364171

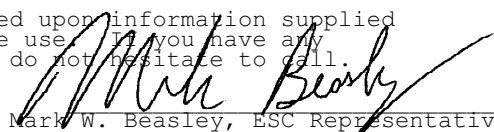
Samples Received: 09/10/08

Client Project:

Description: 697-15-54

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 - 09227, 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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3 Samples Reported: 09/14/08 05:15 Printed: 09/14/08 05:15

Page 1 of 4



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REPORT OF ANALYSIS

Mr. Brett Kennedy
OXY USA - Grand Junction, CO
2754 Compass Dr., Ste. 170
Grand Junction, CO 81506

September 14, 2008

Date Received : September 10, 2008
Description : 697-15-54
Sample ID : TANK 0-2FT
Collected By : Brett Kennedy
Collection Date : 09/08/08 14:00

ESC Sample # : L364171-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	7200	100	mg/l	9056	09/10/08	100
Dissolved Solids	14000	10.	mg/l	2540C	09/12/08	1
Mercury	0.98	0.040	mg/l	7470A	09/12/08	200
Arsenic	0.14	0.020	mg/l	6010B	09/12/08	1
Barium	44.	0.0050	mg/l	6010B	09/12/08	1
Cadmium	0.050	0.0050	mg/l	6010B	09/12/08	1
Chromium	0.43	0.010	mg/l	6010B	09/12/08	1
Lead	0.88	0.0050	mg/l	6010B	09/12/08	1
Selenium	0.54	0.020	mg/l	6010B	09/12/08	1
Silver	0.026	0.010	mg/l	6010B	09/12/08	1
Sodium	4000	5.0	mg/l	6010B	09/12/08	10

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 - Grand Junction, CO
2754 Compass Dr., Ste. 170
Grand Junction, CO 81506

September 14, 2008

Date Received : September 10, 2008
Description : 697-15-54
Sample ID : POND 1 0-5FT
Collected By : Brett Kennedy
Collection Date : 09/08/08 14:30

ESC Sample # : L364171-02

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	6100	100	mg/l	9056	09/10/08	100
Dissolved Solids	11000	10.	mg/l	2540C	09/12/08	1
Mercury	BDL	0.00020	mg/l	7470A	09/12/08	1
Arsenic	0.023	0.020	mg/l	6010B	09/12/08	1
Barium	50.	0.0050	mg/l	6010B	09/12/08	1
Cadmium	BDL	0.0050	mg/l	6010B	09/12/08	1
Chromium	0.039	0.010	mg/l	6010B	09/12/08	1
Lead	BDL	0.0050	mg/l	6010B	09/12/08	1
Selenium	BDL	0.020	mg/l	6010B	09/12/08	1
Silver	BDL	0.010	mg/l	6010B	09/12/08	1
Sodium	4700	5.0	mg/l	6010B	09/12/08	10

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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REPORT OF ANALYSIS

Mr. Brett Kennedy
OXY USA - Grand Junction, CO
2754 Compass Dr., Ste. 170
Grand Junction, CO 81506

September 14, 2008

Date Received : September 10, 2008
Description : 697-15-54
Sample ID : POND 1 5-10FT
Collected By : Brett Kennedy
Collection Date : 09/08/08 14:40

ESC Sample # : L364171-03

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	9600	100	mg/l	9056	09/10/08	100
Dissolved Solids	13000	10.	mg/l	2540C	09/12/08	1
Mercury	BDL	0.00020	mg/l	7470A	09/12/08	1
Arsenic	BDL	0.020	mg/l	6010B	09/12/08	1
Barium	48.	0.0050	mg/l	6010B	09/12/08	1
Cadmium	BDL	0.0050	mg/l	6010B	09/12/08	1
Chromium	0.032	0.010	mg/l	6010B	09/12/08	1
Lead	BDL	0.0050	mg/l	6010B	09/12/08	1
Selenium	BDL	0.020	mg/l	6010B	09/12/08	1
Silver	BDL	0.010	mg/l	6010B	09/12/08	1
Sodium	4800	5.0	mg/l	6010B	09/12/08	10

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: 09/14/08 05:15 Printed: 09/14/08 05:15

Summary of Remarks For Samples Printed
09/14/08 at 05:15:28

TSR Signing Reports: 134
R4 - Rush: Three Day

expect MSA

Sample: L364171-01 Account: OXYGJCO Received: 09/10/08 09:00 Due Date: 09/15/08 00:00 RPT Date: 09/14/08 05:15

Sample: L364171-02 Account: OXYGJCO Received: 09/10/08 09:00 Due Date: 09/15/08 00:00 RPT Date: 09/14/08 05:15

Sample: L364171-03 Account: OXYGJCO Received: 09/10/08 09:00 Due Date: 09/15/08 00:00 RPT Date: 09/14/08 05:15

Company Name/Address: Walsh Env.- Grand Junction 535 Grand Avenue Grand Junction, CO 81501		Alternate billing information: Report to: <u>David Spencer</u> Project Description: <u>OXY-V00AV</u> Phone: (970) 241-4636 FAX: _____ Collected by: <u>David Spencer</u> Collected by (signature): <u>[Signature]</u> Immediately Packed on Ice N <u>Y</u> <input checked="" type="checkbox"/>		Email to: <u>dsponser@earthchem.com</u> City/State Collected: <u>De Beque, Colorado</u> Client Project #: <u>7830-180</u> ESC Key: _____ Site/Facility ID#: _____ P.O.#: _____ Rush? (Lab MUST Be Notified) Same Day..... 250% Next Day..... 100% Two Day..... 50% Three Day..... 25%		Date Results Needed: Email? <u>No</u> Yes FAX? <u>No</u> Yes No. of Cnts: 6 Date: 11-40 Time: 1:07	
Company Name/Address: Walsh Env.- Grand Junction 535 Grand Avenue Grand Junction, CO 81501		Report to: <u>David Spencer</u> Project Description: <u>OXY-V00AV</u> Phone: (970) 241-4636 FAX: _____ Collected by: <u>David Spencer</u> Collected by (signature): <u>[Signature]</u> Immediately Packed on Ice N <u>Y</u> <input checked="" type="checkbox"/>		Email to: <u>dsponser@earthchem.com</u> City/State Collected: <u>De Beque, Colorado</u> Client Project #: <u>7830-180</u> ESC Key: _____ Site/Facility ID#: _____ P.O.#: _____ Rush? (Lab MUST Be Notified) Same Day..... 250% Next Day..... 100% Two Day..... 50% Three Day..... 25%		Date Results Needed: Email? <u>No</u> Yes FAX? <u>No</u> Yes No. of Cnts: 6 Date: 11-40 Time: 1:07	
Company Name/Address: Walsh Env.- Grand Junction 535 Grand Avenue Grand Junction, CO 81501		Report to: <u>David Spencer</u> Project Description: <u>OXY-V00AV</u> Phone: (970) 241-4636 FAX: _____ Collected by: <u>David Spencer</u> Collected by (signature): <u>[Signature]</u> Immediately Packed on Ice N <u>Y</u> <input checked="" type="checkbox"/>		Email to: <u>dsponser@earthchem.com</u> City/State Collected: <u>De Beque, Colorado</u> Client Project #: <u>7830-180</u> ESC Key: _____ Site/Facility ID#: _____ P.O.#: _____ Rush? (Lab MUST Be Notified) Same Day..... 250% Next Day..... 100% Two Day..... 50% Three Day..... 25%		Date Results Needed: Email? <u>No</u> Yes FAX? <u>No</u> Yes No. of Cnts: 6 Date: 11-40 Time: 1:07	

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

Remarks: 9609 7437 5940

Relinquished by: (Signature) <u>[Signature]</u>	Date: <u>10/29/08</u>	Time: <u>1700</u>	Received by: (Signature) <u>FedEx</u>	Date: <u>10/29/08</u>	Time: <u>1700</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date: _____	Time: _____	Received by: (Signature) _____	Date: _____	Time: _____
Relinquished by: (Signature) <u>[Signature]</u>	Date: _____	Time: _____	Received by: (Signature) <u>[Signature]</u>	Date: _____	Time: _____

9609 7437 5940

Relinquished by: (Signature) <u>[Signature]</u>	Date: <u>10/29/08</u>	Time: <u>1700</u>	Received by: (Signature) <u>FedEx</u>	Date: <u>10/29/08</u>	Time: <u>1700</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date: _____	Time: _____	Received by: (Signature) _____	Date: _____	Time: _____
Relinquished by: (Signature) <u>[Signature]</u>	Date: _____	Time: _____	Received by: (Signature) <u>[Signature]</u>	Date: _____	Time: _____

ENVIRONMENTAL SCIENCE CORP.

SAMPLE NON-CONFORMANCE FORM

Login No. : L371532-JE

Date: 10-24-08

Evaluated by: Jasen

Client: WALSHGSCO

Non-Conformance (check applicable items)

- | | | | |
|-------------------------------------|--|--------------------------|---|
| <input checked="" 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 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: Please clarify TVH.

Login Instructions:

TSR Initials: MB

Client informed by call / email / fax / voice mail date: 10/24/08 time: 1100

Client contact: - G120



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Est. 1970

David Spencer
Walsh Env.- Grand Junction
535 Grand Avenue

Grand Junction, CO 81501

Report Summary

Friday October 31, 2008

Report Number: L371532

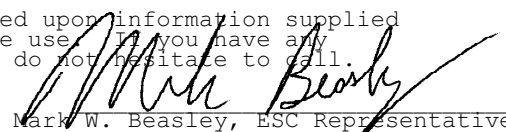
Samples Received: 10/24/08

Client Project: 7830-180

Description: OXY NOAV

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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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

David Spencer
Walsh Env.- Grand Junction
535 Grand Avenue
Grand Junction, CO 81501

October 31, 2008

Date Received : October 24, 2008
Description : OXY NOAV
Sample ID : SPRING 2 0-6 IN
Collected By : David Spencer
Collection Date : 10/23/08 11:40

ESC Sample # : L371532-01

Site ID : CC-15-54

Project # : 7830-180

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	660	5.0	mg/l	9056	10/25/08	5
Nitrate	0.21	0.10	mg/l	9056	10/24/08	1
Nitrite	BDL	0.10	mg/l	9056	10/24/08	1
Sulfate	5.2	5.0	mg/l	9056	10/24/08	1
COD	71.	20.	mg/l	410.4	10/30/08	1
Sulfite	BDL	3.0	mg/l	4500-SO3 B	10/25/08	1
Dissolved Solids	1400	10.	mg/l	2540C	10/27/08	1
Calcium, Dissolved	180	0.50	mg/l	6010B	10/30/08	1
Magnesium, Dissolved	56.	0.10	mg/l	6010B	10/30/08	1
Potassium, Dissolved	26.	0.50	mg/l	6010B	10/30/08	1
Sodium, Dissolved	210	0.50	mg/l	6010B	10/30/08	1
Benzene	BDL	0.00050	mg/l	8021/8015	10/29/08	1
Toluene	BDL	0.0050	mg/l	8021/8015	10/29/08	1
Ethylbenzene	BDL	0.00050	mg/l	8021/8015	10/29/08	1
Total Xylene	BDL	0.0015	mg/l	8021/8015	10/29/08	1
TPH (GC/FID) Low Fraction	BDL	0.10	mg/l	GRO	10/29/08	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene (FID)	94.7		% Rec.	8021/8015	10/29/08	1
a,a,a-Trifluorotoluene (PID)	102.		% Rec.	8021/8015	10/29/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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Reported: 10/31/08 08:18 Printed: 10/31/08 08:18



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REPORT OF ANALYSIS

David Spencer
Walsh Env.- Grand Junction
535 Grand Avenue
Grand Junction, CO 81501

October 31, 2008

Date Received : October 24, 2008
Description : OXY NOAV
Sample ID : SPRING 3 0-6 IN
Collected By : David Spencer
Collection Date : 10/23/08 13:07

ESC Sample # : L371532-02

Site ID : CC-15-54

Project # : 7830-180

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	140	1.0	mg/l	9056	10/24/08	1
Nitrate	1.1	0.10	mg/l	9056	10/24/08	1
Nitrite	BDL	0.10	mg/l	9056	10/24/08	1
Sulfate	58.	5.0	mg/l	9056	10/24/08	1
COD	BDL	20.	mg/l	410.4	10/30/08	1
Sulfite	BDL	3.0	mg/l	4500-SO3 B	10/25/08	1
Dissolved Solids	560	10.	mg/l	2540C	10/27/08	1
Calcium, Dissolved	93.	0.50	mg/l	6010B	10/30/08	1
Magnesium, Dissolved	37.	0.10	mg/l	6010B	10/30/08	1
Potassium, Dissolved	1.2	0.50	mg/l	6010B	10/30/08	1
Sodium, Dissolved	64.	0.50	mg/l	6010B	10/30/08	1
Benzene	BDL	0.00050	mg/l	8021/8015	10/27/08	1
Toluene	BDL	0.0050	mg/l	8021/8015	10/27/08	1
Ethylbenzene	BDL	0.00050	mg/l	8021/8015	10/27/08	1
Total Xylene	BDL	0.0015	mg/l	8021/8015	10/27/08	1
TPH (GC/FID) Low Fraction	BDL	0.10	mg/l	GRO	10/27/08	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene (FID)	101.		% Rec.	8021/8015	10/27/08	1
a,a,a-Trifluorotoluene (PID)	111.		% Rec.	8021/8015	10/27/08	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.

Reported: 10/31/08 08:18 Printed: 10/31/08 08:18

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L371532-01	WG390578	SAMP	Sulfite	R520145	T8
L371532-02	WG390578	SAMP	Sulfite	R520145	T8

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
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
10/31/08 at 08:18:40

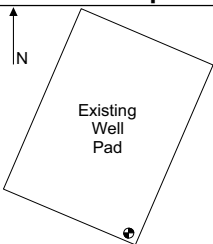
TSR Signing Reports: 134
RX - Priority Rush

Sample: L371532-01 Account: WALSHGJCO Received: 10/24/08 09:00 Due Date: 10/31/08 00:00 RPT Date: 10/31/08 08:18

Sample: L371532-02 Account: WALSHGJCO Received: 10/24/08 09:00 Due Date: 10/31/08 00:00 RPT Date: 10/31/08 08:18

Appendix C – Boring Logs & Well Schematics

SOIL BORING LOG

Project Number	Boring Number	Location Sketch or Description
7830-160	MW-1	Approximate Location 
Site Name: 15-54		Address: Conn Camp, DeBeque, CO
Elevation:		Drilling Contractor: High Plains Drilling
Drilling Method and Equipment:		HSA w/ rotary coring CME 850 LAR
Water Level & Date:		Start: 9/19/08 Finish: 9/19/08 Logger: D. Spencer

Static Water Level	Depth Below Surface	Sample			Standard Penetration Test Results 6"/6"/6" (N)	Soil Description	Symbol of USCS Log	Comments
		Interval	Tag No.	Recovery (inches)		USCS Group Symbol, Name, Graduation or Plasticity. Particle Size Distribution or Consistency, Soil Structure, Mineralogy		PID Readings (ppm)
▽ (16)	5	7'			Sampler refusal	0-15' Rip-rap and engineered base course fill. Ranges from grain-supported gravel to bolder sized particles to clayey gravelly sands. Light grey rock materials supported in a brown, sl. Moist to moist sandy clay fill.	Fill	
	10							
	15							
▼ (26)		17'		36		15-16' Basalt flow, very hard penetration	BR	
						16-17' Weathered Bedrock Sandstone, slightly moist to V. moist adjacent to cleats in thinly partied coal seams	WBR BR	0.7 ppm
	20			60		17-26' Bedrock Sandstone, clayey to silty, interbedded with coal thin seams, sandy Claystone, and Marlstone. Sl. Moist to moist at partings. Buff grey to rust to lt. brown. Fractures and cleats apparent		
	25	26'		60		26-27' Weathered bedrock sandstone Fractures apparent, very moist to saturated	WBR BR	0.0 ppm
	30					27-28' Bedrock Sandstone, interbedded with sandy Claystone, and Marlstone. Buff grey to rust to lt. brown.	TD=28	
	35							

Notes: No hydrocarbon odors or staining observed in soil profile. PID indicated background concentrations throughout drilling activities.



Environmental Scientists and Engineers, LLC

Project #: 7830-180 Well #: 1

WELL CONSTRUCTION LOG

Drilling Summary

Total Depth of Hole: 28 feet
 Boring Diameter: (ID HSA 4.25" ODHSA 7") NQ 3.25"
 Drilling Company: High Plains Drilling
 Driller: Dan Westbrook
 Rig Type: CME 850
 Bits: 3.25 NQ 15 ct
 Geologist: _____

Construction Time Log

	Start		Finish	
	Date	Time	Date	Time
Drilling:	9/19	10:30	9/19	13:38
Screen Placement:	9/19	13:55	9/19	13:59
Filter Placement:	9/19	14:15	9/19	14:38
Seal Placement:	9/19	14:40	9/19	14:45
Grouting:	9/19	14:50	9/19	15:17

Depth to Water

Depth: _____ Date: _____ Time: _____

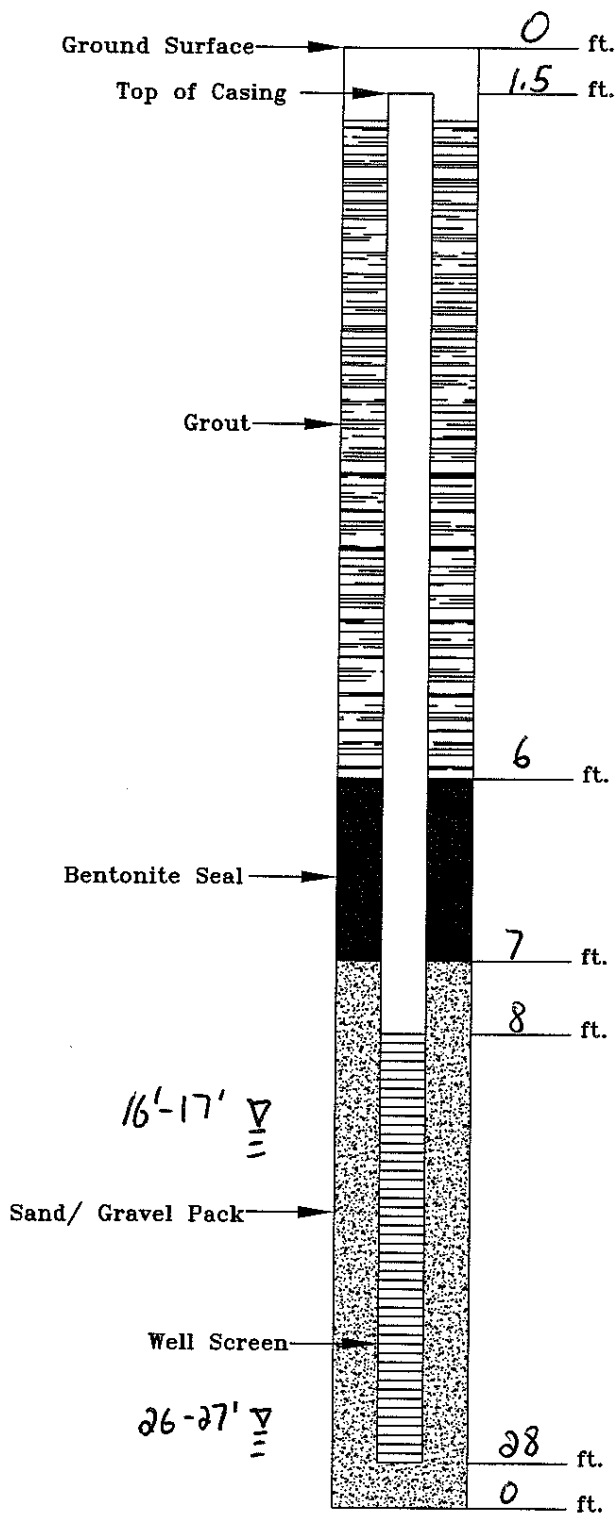
Well Construction Materials

	Filter:	Seal:	Grout:
Quantity:	<u>7 x 50 pounds</u>	<u>.75</u>	<u>2.5 x 50 pounds</u>
Type:	<u>Silica Sand</u>	<u>bentonite</u> <u>1/4" coated</u>	<u>Portland Cement</u> <u>5% bentonite blend</u>

Well Screen Description

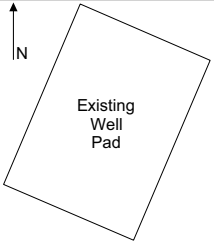
Length: 21 feet Config: _____
 Volume/ft: _____ Comp: _____
 Inside Diam: _____ Outside Diam: _____

Comments



Measuring point is Top of
 Casing unless otherwise noted.

SOIL BORING LOG

Project Number	Boring Number	Location Sketch or Description
7830-160	MW-2	Approximate Location 
Site Name: 15-54		Address: Conn Camp, DeBeque, CO
Elevation:		Drilling Contractor: High Plains Drilling
Drilling Method and Equipment:		HSA w/ rotary coring CME 850 LAR
Water Level & Date:		Start: 9/17/08 Finish: 9/18/08 Logger: D. Spencer

Static Water Level	Depth Below Surface	Sample			Standard Penetration Test Results 6"/6"/6" (N)	Soil Description	Symbol of USCS Log	Comments
		Interval	Tag No.	Recovery (Inches)		USCS Group Symbol, Name, Graduation or Plasticity. Particle Size Distribution or Consistency, Soil Structure, Mineralogy		PID Readings (ppm)
▽ ▼	(6.5)				NA	6-8" topsoil	OH	
						0.5-2.5' sandy CLAY, moist brown, loose	CL/OH	
			5'		20 – 50/2"	2.5-5.5' Weathered Bedrock Sandstone, slightly moist to sl. moist	WBR	0.1 ppm
						5.5-6.5' Bedrock sandstone/claystone	BR	0.2 ppm
			6.8	36		6.5-8' Weathered Bedrock Sandstone, slightly moist to V. moist adjacent to cleats in thinly parted coal seams	WBR	
	(17)					8-17' Bedrock Sandstone, clayey to silty, interbedded with coal thin seams, sandy Claystone, and Marlstone. Sl. Moist to moist at partings. Buff grey to rust to lt. brown. Fractures and cleats apparent	BR	
				60				
			17.5	57		17-17.5' Weathered bedrock sandstone Fractures apparent, very moist to saturated	WBR	0.0 ppm
						17.5-19' Bedrock Sandstone, interbedded with sandy Claystone, and Marlstone. Buff grey to rust to lt. brown	BR	
							TD=19'	

Notes: No hydrocarbon odors or staining observed in soil profile. PID indicated background concentrations throughout drilling activities.



Environmental Scientists and Engineers, LLC

Project #: 7830-180 Well #: 2

WELL CONSTRUCTION LOG

Drilling Summary

Total Depth of Hole: 28 feet
 Boring Diameter: (ID HSA 4.25" OD HSA 7") NQ 3.25"
 Drilling Company: High Plains Drilling
 Driller: Dan Westbrook
 Rig Type: LME 850
 Bits: 3.25 NQ 15 ct
 Geologist: _____

Construction Time Log

	Start Date	Start Time	Finish Date	Finish Time
Drilling:	9/17	10:45	9/17	14:30
Screen Placement:	9/18	8:05	9/18	8:09
Filter Placement:	8/18	8:10	9/18	8:20
Seal Placement:	9/18	8:25	9/18	8:30
Grouting:	9/18	8:35	9/18	8:55

Depth to Water

Depth: 18 Date: 9/24/08 Time: 11:45

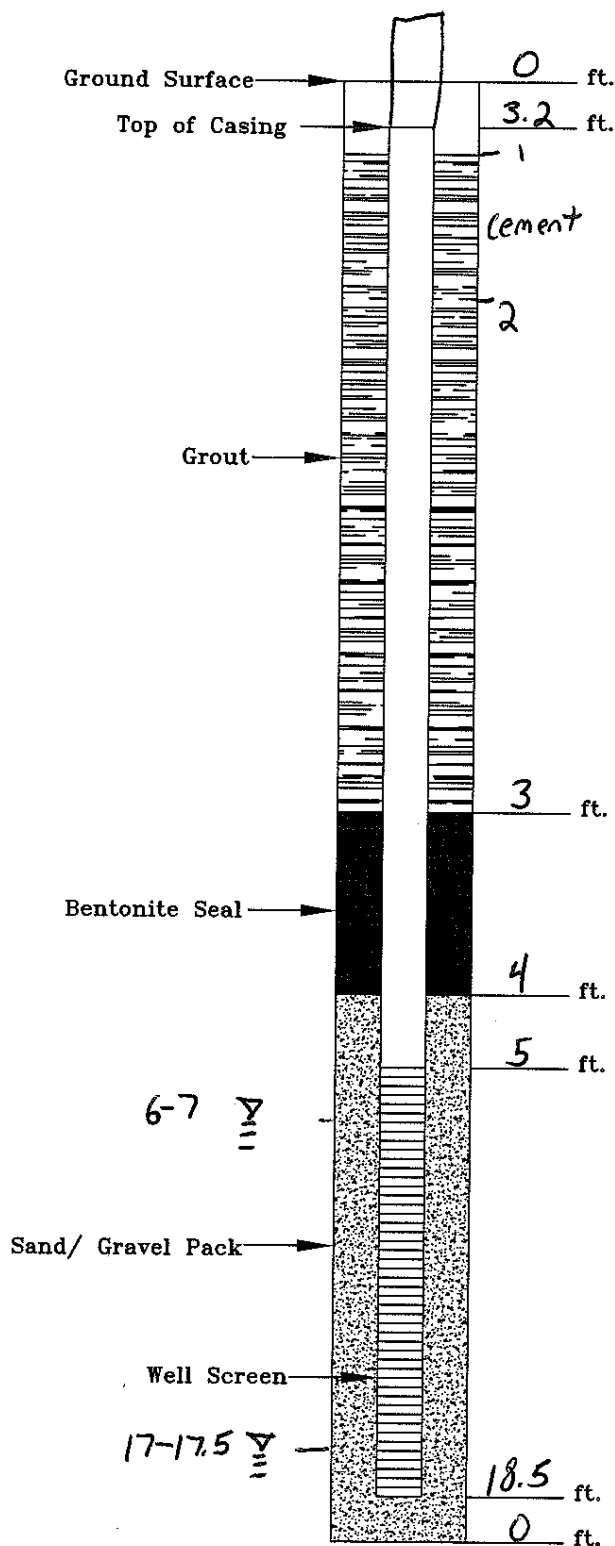
Well Construction Materials

	Filter:	Seal:	Grout:
Quantity:	<u>2.5 x 50 pounds</u>	<u>30 pounds</u>	<u>1.5 x 50 pounds</u>
Type:	<u>silica sand</u>	<u>bentonite</u>	<u>Portland 1 and 2</u> <u>1/4" coated</u>

Well Screen Description

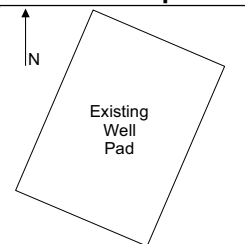
Length: 13 feet Config: _____
 Volume/ft: _____ Comp: _____
 Inside Diam: _____ Outside Diam: _____

Comments



Measuring point is Top of Casing unless otherwise noted.

SOIL BORING LOG

Project Number	Boring Number	Location Sketch or Description
7830-160	MW-3	<div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: right; margin-right: 10px;">Approximate Location</div>  </div>
Site Name: 15-54		Address: Conn Camp, DeBeque, CO
Elevation:		Drilling Contractor: High Plains Drilling
Drilling Method and Equipment:		HSA w/ rotary coring CME 850 LAR
Water Level & Date:		Start: 9/18/08 Finish: 9/18/08 Logger: D. Spencer

Static Water Level	Depth Below Surface	Sample			Standard Penetration Test Results 6"/6"/6" (N)	Soil Description	Symbol of USCS Log	Comments
		Interval	Tag No.	Recovery (Inches)		USCS Group Symbol, Name, Graduation or Plasticity. Particle Size Distribution or Consistency, Soil Structure, Mineralogy		PID Readings (ppm)
▽ (13)	5		4'		NA 6 / 7 / 8	0-6" Topsoil 0.5-6' sandy CLAY, moist brown, loose.	OH CI	0.1 ppm
	10				Sampler Refusal	6-9' Weathered Bedrock Sandstone, slightly moist	WBR	
	15		12'	48		9-12' Bedrock Sandstone, clayey to silty, interbedded with coal thin seams, sandy Claystone, and Marlstone. Sl. Moist to moist at partings. Buff grey to rust to lt. brown.	BR	0.0 ppm
	20			60		12-15.5' Weathered Bedrock Sandstone, slightly moist to V. moist adjacent to cleats in thinly parted coal seams	WBR	
	25					15.5-20' Bedrock Sandstone, clayey to silty, interbedded with sandy Claystone, and Marlstone. Dry to sl. moist. Buff grey to rust to lt. brown. Fractures and cleats apparent	BR	
	30			60		20-23 Weathered bedrock sandstone. Fractures apparent, very moist to saturated.	WBR	
	35						TD=23'	
▼ (22)								

Notes: No hydrocarbon odors or staining observed in soil profile. PID indicated background concentrations throughout drilling activities.



Environmental Scientists and Engineers, LLC

Project #: 7830-180 Well #: 3

WELL CONSTRUCTION LOG

Drilling Summary

Total Depth of Hole: 23 feet
 Boring Diameter: (ID HSA 4.25" OD HSA 7") NQ 3.25"
 Drilling Company: High Plains Drilling
 Driller: Dan Westbrook
 Rig Type: CME 850
 Bits: 3.25 NQ 15 ct
 Geologist: _____

Construction Time Log

	Start Date	Start Time	Finish Date	Finish Time
Drilling:	9/18	10:25	9/18	14:30
Screen Placement:	9/18	14:36	9/18	14:38
Filter Placement:	9/18	14:40	9/18	14:55
Seal Placement:	9/18	14:58	9/18	15:10
Grouting:	9/18	15:15	9/18	15:30

Depth to Water

Depth: _____ Date: _____ Time: _____

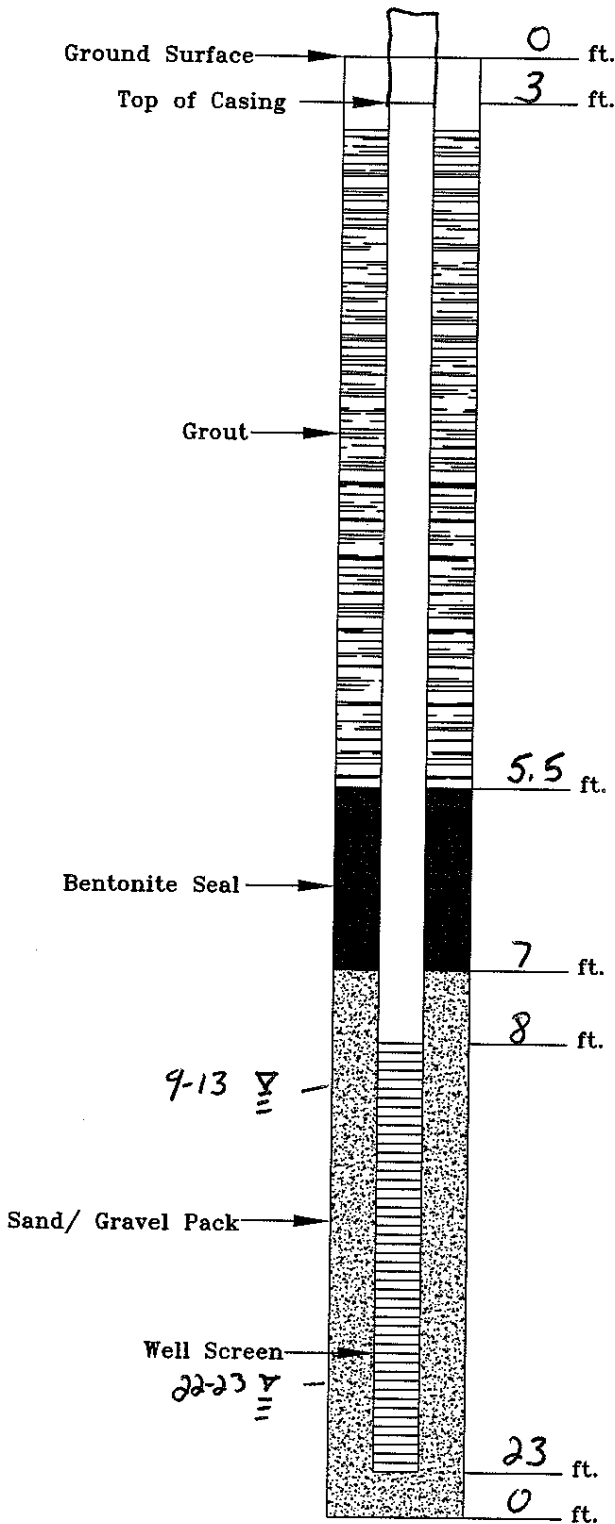
Well Construction Materials

	Filter:	Seal:	Grout:
Quantity:	<u>2.5 x 50 pounds</u>	<u>36 pounds</u>	<u>1.25 x 50 pounds</u>
Type:	<u>silica sand</u>	<u>bentonite</u> <u>1/4" coated</u>	<u>Portland 1 and 2</u> <u>5% bentonite blend</u>

Well Screen Description

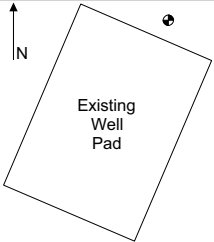
Length: 14 feet Config: _____
 Volume/ft: _____ Comp: _____
 Inside Diam: _____ Outside Diam: _____

Comments



Measuring point is Top of Casing unless otherwise noted.

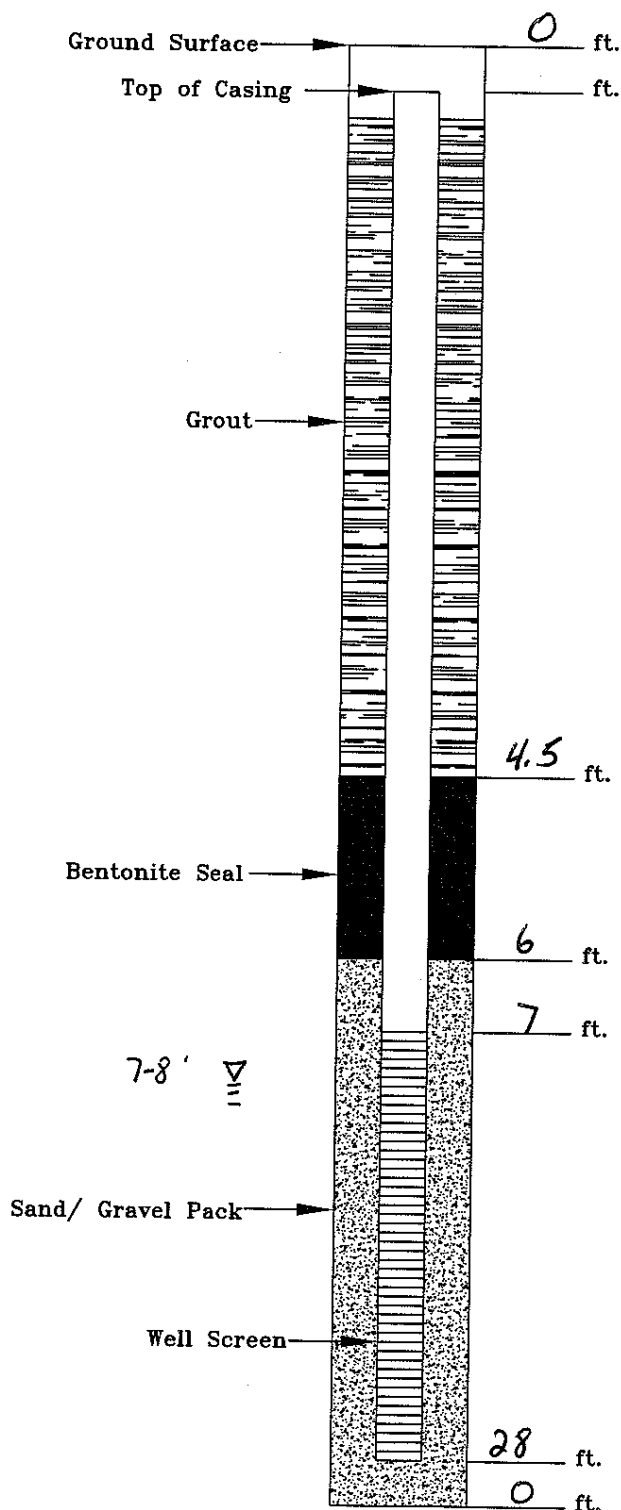
SOIL BORING LOG

Project Number	Boring Number	Location Sketch or Description
7830-160	MW-4	Approximate Location 
Site Name: 15-54		Address: Conn Camp, DeBeque, CO
Elevation:		Drilling Contractor: High Plains Drilling
Drilling Method and Equipment:		HSA w/ rotary coring CME 850 LAR
Water Level & Date:		Start: 9/18/08 Finish: 9/19/08 Logger: D. Spencer

Static Water Level	Depth Below Surface	Sample			Standard Penetration Test Results 6"/6"/6" (N)	Soil Description	Symbol of USCS Log	Comments
		Interval	Tag No.	Recovery (inches)		USCS Group Symbol, Name, Graduation or Plasticity. Particle Size Distribution or Consistency, Soil Structure, Mineralogy		PID Readings (ppm)
▽ (8)					NA	6-8" topsoil	OH	
						0.5-5' sandy CLAY, moist brown, loose.	CL	
	5		5'		10 / 13 / 30			0.2 ppm
				42		5-8.5' Weathered Bedrock Sandstone, slightly moist to saturated adjacent to cleats in thinly parted coal seams.	WBR	0.0 ppm
			8.5					
	10			60		8.5-27.5' Bedrock Sandstone, clayey to silty, interbedded with coal thin seams (16-16.5'), sandy Claystone, and Marlstone. Dry to sl. moist. Buff grey to rust to lt. brown.	BR	
	15			60				
	20			60				
	25			60				
	30						TD=27.5	
	35							

Notes: No hydrocarbon odors or staining observed in soil profile. PID indicated background concentrations throughout drilling activities.

Project #: 7830-180 Well #: 4



Measuring point is Top of
Casing unless otherwise noted.

WELL CONSTRUCTION LOG

Drilling Summary

Total Depth of Hole: 28 feet
Boring Diameter: (ID HSA 4.25" OD HSA 7") NQ 3.25"
Drilling Company: High Plains Drilling
Driller: Dan Westbrook
Rig Type: CME 850
Bits: 3.25 NQ 15 ft
Geologist: _____

Construction Time Log

	Start		Finish	
	Date	Time	Date	Time
Drilling:	9/18	15:50	9/19	9:06
Screen Placement:	9/19	9:30	9/19	9:35
Filter Placement:	9/19	9:35	9/19	9:40
Seal Placement:	9/19	9:40	9/19	9:45
Grouting:	9/19	10:15	9/19	10:30

Depth to Water

Depth: _____ Date: _____ Time: _____

Well Construction Materials

	Filter:	Seal:	Grout:
Quantity:	350 pounds	25 pounds	1.25 x 50 pounds
Type:	Silica sand	bentonite 1/4" coated	Portland land 2 5% bentonite blend

Well Screen Description

Length: 21 feet Config: _____
Volume/ft: _____ Comp: _____
Inside Diam: _____ Outside Diam: _____

Comments



Environmental Scientists and Engineers, LLC

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