

Stites 20-8 Reserve Pit (Location ID: 334519; Document #: 2216381) Reclamation and Closure Sampling Narrative

This is Oxy's updated Stites 20-8 reserve pit sampling narrative. This is being provided in support of closure documentation, specifically the Sundry notice submitted on 10/04/2011 (reference COGCC document number: 2216381). The narrative details what closure, and background samples were taken, where they were taken and for what purpose.

Post Reclaim Samples 11/04/2009 (L430535, Accutest T41652)

- Oxy removed the pit liner and mixed the pit bottom with a back hoe. The initial post reclaim sample was a five point composite sample of the pit bottom, which was consistent with practices conducted at time of closure (2009). All five initial post reclaim samples were collected within a 5'x5' area. Oxy speculates that initial post reclaim samples were concentrated in this area as this was the low point of the pit and theoretically any contamination would have settled in this area. Also, it was typical of reserve pits to be segregated into a fluids area and a solids area. The 5'x5' area should correspond to the fluids area. The initial post reclaim samples were taken between 0-12 inches at the pit bottom which was approximately 10' feet below the pad surface. The initial post reclaim samples are represented in the tabulated data spreadsheet in the first and second columns and labeled as "Post Reclaim" for Sample Type on the attached table. Note that there are two "Post Reclaim" sample columns; this is due to that fact that two separate labs were used to process the samples. Lab sample L430535 analyzed the majority of the 910-1 constituents and the Accutest T41652 lab sample analyzed Barium and Boron. The initial post reclaim sample date was 11/04/2009 and the Sample ID from the data tabulation is Stites 20-8 Post Rec 0-12 IN. These samples are shown on the Sampling map as black dots and are referenced in the legend as Post Reclaim Samples (11/04/2009). The lab data reports for these samples are attached. The sample values can be found on lab report L430535 on pages 2 and 3 and on Accutest T41652 pages 5 and 6 as sample ID Stites 20-8 Post Rec.
- Initial Post Reclaim values showed elevated concentrations for SAR, pH, Arsenic (As), Barium, and Boron.

Background Samples 11/04/2009 (L430535)

- An initial five point composite background sample was collected from various undisturbed locations around the pad, which was consistent with practices conducted at time of closure (2009). All initial background samples were collected at various depths between 0-6 inches. The background samples are represented in the tabulated data spreadsheet in the third column and labeled as "Background" for Sample Type on the attached table. The background sample date was 11/04/2009 and the Sample ID from the data tabulation is Stites 20-8 BG 0-6 IN. These samples are shown on the Sampling map as Fuchsia dots and are referenced in the legend as Background Samples (11/04/2009). The lab data report for these samples is attached. The sample values can be found on lab report L430535 on page 4 as sample ID Stites 20-8 BG.
- Initial background samples were tested only for EC, SAR, pH, and As, as was consistent with practices conducted at time of closure (2009). All analytes were found to be below the COGCC's table 910-1 allowable concentrations.

Fill Samples 11/30/2009 (L434452, T43419)

- Oxy backfilled the pit with stockpiled native clean material to pad grade (6-8 feet). A five point composite sample was taken of the fill and analyzed only for the analyte exceedances found in the initial post reclaim samples. Samples were collected between 0-12 IN. The fill material was also serving as a cap for the elevated values of SAR and pH found in the initial post reclaim values. The fill material was sampled for Boron and Barium to possibly justify burying the contamination below 6-8 feet of clean fill. The fill material was found to be within the COGCC Table 910-1 allowable concentrations. As Boron and Barium are not contaminants that are allowed to be buried only, Oxy decided to wait for spring and better weather to re-sample the pit bottom. The fill samples are represented in the tabulated data spreadsheet in the fourth and fifth columns and labeled as "Fill" for Sample Type on the attached table. Note that there are two "Fill" sample columns; this is due to the fact that two separate labs were used to process the samples. Lab sample L434452 analyzed for SAR and pH and the Accutest T43419 lab sample analyzed Barium and Boron. The fill sample date was 11/30/2009 and the Sample ID from the data tabulation is Stites 20-8 Fill 0-12 IN. These samples are shown on the Sampling map as yellow dots and are referenced in the legend as Fill Samples (11/30/2009). The lab data reports for these samples are attached. The sample values can be found on lab report L434452 on page 2 and on Accutest T43419 pages 5 and 6 as sample ID Stites 20-8 Fill
- Fill samples were tested only for SAR, pH, Barium and Boron, as these were the only analyte exceedances found in the initial post reclaim samples. All analytes were found to be below the COGCC's table 910-1 allowable concentrations.

Post Reclaim re-sample 05/06/2010 (L458028)

- Based on the initial post reclaim composite sample Barium and As analyte exceedances found, Oxy mobilized an excavator to dig back down to the low point of the mixed pit bottom to collect a 5 point composite post reclaim re-sample (05/06/2010). As there were no other analyte exceedances found in the initial post reclaim samples, Oxy re-sampled for Barium and As only. Oxy suspected the elevated Barium concentration to be either a lab error or sampling error. Boron was not re-sampled for, as samples were taken after the 2008 amended rules went into effect, the COGCC does not require pit contents to meet a Boron MCL. The Post Reclaim re-sample is represented in the tabulated data spreadsheet in the sixth column and labeled as "Post Reclaim" for Sample Type on the attached table. The Post Reclaim re-sample date was 05/06/2010 and the Sample ID from the data tabulation is Stites 20-8 Post Rec 6-8 FT (Re-sample). These samples are shown on the Sampling map as green dots and are referenced in the legend as Post Reclaim re-samples (05/06/2010). The lab data report for these samples is attached. The sample values can be found on lab report L458028 on page 2 as sample ID, Stites 20-8 Post Rec 6-8 FT.
- Sample results yielded an elevated concentration of As, but Barium was found to be within the COGCC's table 910-1 allowable concentrations.

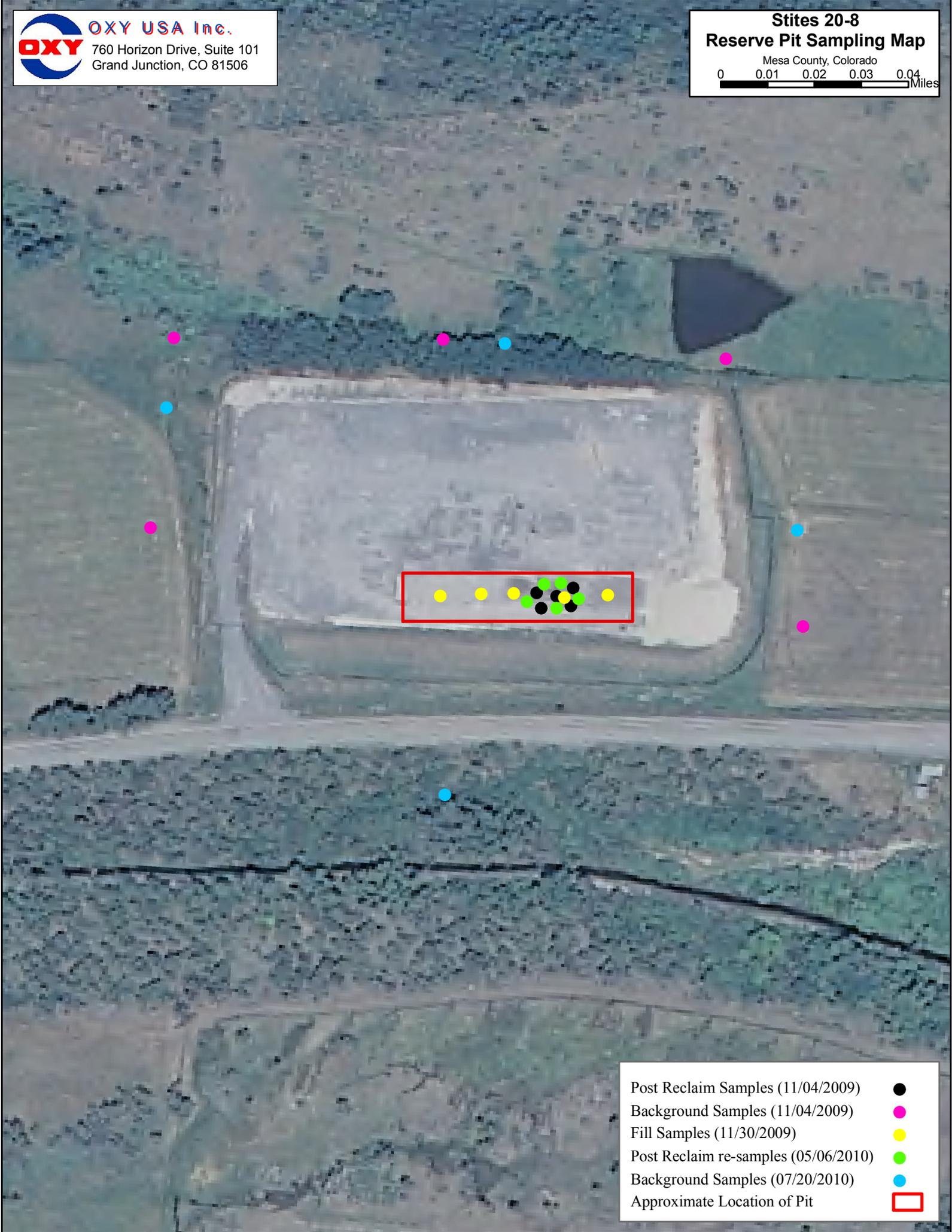
Background Samples 07/20/2010 (L469802)

- In effort to clear Post Reclaim As concentrations, Oxy collected four random grab samples from native undisturbed areas around the pad at depths of 0-6 inches (07/20/2010). The Background samples are represented in the tabulated data spreadsheet in the 7-10th columns and labeled as "Background" for Sample Type on the attached table. The Background sample date was 07/20/2010 and the

Sample ID's from the data tabulation are Stites 20-8 BG-N 0-6 IN, Stites 20-8 BG-E 0-6 IN, Stites 20-8 BG-S 0-6 IN, Stites 20-8 BG-W 0-6 IN. These samples are shown on the Sampling map as blue dots and are referenced in the legend as Background Samples (07/20/2010). The lab data report for these samples is attached. The sample values can be found on lab report L469802 on pages 2-5. Sample ID's in the lab report are; Stites 20-8 BG-N 0-6 IN, Stites 20-8 BG-E 0-6 IN, Stites 20-8 BG-S 0-6 IN, Stites 20-8 BG-W 0-6 IN.

- This sampling effort yielded background As concentrations above those found in Post Reclaim samples (11/04/2009 & 05/06/2010).

In conclusion, this pit has been closed and meets both the COGCC 900 series and 1000 series rules for pit closure. All analyte concentrations were found to be below COGCC table 910-1 allowable concentrations, or were found to be below native background levels. Oxy will continue to monitor this site to ensure that the pit cap has not subsided and for stormwater compliance until final pad reclamation has occurred.



- Post Reclaim Samples (11/04/2009) ●
- Background Samples (11/04/2009) ●
- Fill Samples (11/30/2009) ●
- Post Reclaim re-samples (05/06/2010) ●
- Background Samples (07/20/2010) ●
- Approximate Location of Pit □



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

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

Grand Junction, CO 81506

Report Summary

Wednesday November 11, 2009

Report Number: L430535

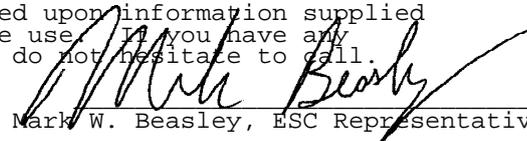
Samples Received: 11/05/09

Client Project:

Description: Pit Reclaims - Collbran

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

Entire Report Reviewed By:


Mark W. Beasley, ESC Representative

Laboratory Certification Numbers

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

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

This report may not be reproduced, except in full, without written approval from Environmental Science Corp.

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



YOUR LAB OF CHOICE

12065 Lebanon Rd.
 Mt. Juliet, TN 37122
 (615) 758-5858
 1-800-767-5859
 Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

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

November 11, 2009

Date Received : November 05, 2009
 Description : Pit Reclaims - Collbran
 Sample ID : STITES 20-8 POST REC
 Collected By : Brett Kennedy
 Collection Date : 11/04/09 12:35

ESC Sample # : L430535-01

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Chromium, Hexavalent	0.36	0.10	2.0	mg/kg	J	3060A/7	11/07/09	1
ORP	81.			mV		2580	11/10/09	1
pH	11.			su		9045D	11/06/09	1
Sodium Adsorption Ratio	25.					Calc.	11/04/09	1
Specific Conductance	2300			umhos/cm		9050AMo	11/09/09	1
Mercury	0.013	0.0025	0.020	mg/kg	J	7471	11/09/09	1
Arsenic	2.7	0.32	1.0	mg/kg		6010B	11/09/09	1
Cadmium	0.29	0.040	0.25	mg/kg		6010B	11/09/09	1
Chromium	12.	0.085	0.50	mg/kg		6010B	11/09/09	1
Copper	21.	0.21	1.0	mg/kg		6010B	11/09/09	1
Lead	6.8	0.090	0.25	mg/kg		6010B	11/09/09	1
Nickel	11.	0.26	1.0	mg/kg		6010B	11/09/09	1
Selenium	U	0.32	1.0	mg/kg		6010B	11/09/09	1
Silver	U	0.16	0.50	mg/kg		6010B	11/09/09	1
Zinc	40.	0.34	1.5	mg/kg		6010B	11/09/09	1
Benzene	0.0031	0.00090	0.0025	mg/kg		8021/80	11/10/09	5
Toluene	0.0077	0.0015	0.025	mg/kg	J	8021/80	11/10/09	5
Ethylbenzene	U	0.0013	0.0025	mg/kg		8021/80	11/10/09	5
Total Xylene	0.0087	0.0028	0.0075	mg/kg		8021/80	11/10/09	5
TPH (GC/FID) Low Fraction	U	0.14	0.50	mg/kg		GRO	11/10/09	5
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	98.2			% Rec.		8021/80	11/10/09	5
a,a,a-Trifluorotoluene(PID)	102.			% Rec.		8021/80	11/10/09	5
TPH (GC/FID) High Fraction	23.	1.3	4.0	mg/kg		3546/DR	11/07/09	1
Surrogate recovery(%)								
o-Terphenyl	76.0			% Rec.		3546/DR	11/07/09	1
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.0093	0.033	mg/kg		8270C	11/06/09	1
Acenaphthene	U	0.011	0.033	mg/kg		8270C	11/06/09	1
Acenaphthylene	U	0.011	0.033	mg/kg		8270C	11/06/09	1
Benzo(a)anthracene	U	0.0077	0.033	mg/kg		8270C	11/06/09	1
Benzo(a)pyrene	U	0.0074	0.033	mg/kg		8270C	11/06/09	1
Benzo(b)fluoranthene	U	0.0078	0.033	mg/kg		8270C	11/06/09	1
Benzo(g,h,i)perylene	U	0.0095	0.033	mg/kg		8270C	11/06/09	1

U = ND (Not Detected)
 MDL = Minimum Detection Limit = LOD
 RDL = Reported Detection Limit = LOQ = PQL = EQL
 Note:

The reported analytical results relate only to the sample submitted.
 This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 11/11/09 11:23 Printed: 11/11/09 11:24
 L430535-01 (PH) - 11@19.6c



YOUR LAB OF CHOICE

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

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

November 11, 2009

Date Received : November 05, 2009
Description : Pit Reclaims - Collbran
Sample ID : STITES 20-8 POST REC
Collected By : Brett Kennedy
Collection Date : 11/04/09 12:35

ESC Sample # : L430535-01

Site ID :

Project # :

Table with 10 columns: Parameter, Result, MDL, RDL, Units, Q, Method, Date, Dil. Rows include various chemical compounds like Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene, and Surrogate Recovery compounds.

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD
RDL = Reported Detection Limit = LOQ = PQL = EQL
Note:

The reported analytical results relate only to the sample submitted.
This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 11/11/09 11:23 Printed: 11/11/09 11:24
L430535-01 (PH) - 11@19.6c



YOUR LAB OF CHOICE

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

November 11, 2009

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

ESC Sample # : L430535-02

Date Received : November 05, 2009
Description : Pit Reclaims -Collbran

Site ID :

Sample ID : STITES 20-8 BG

Project # :

Collected By : Brett Kennedy
Collection Date : 11/04/09 13:00

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
pH	7.9			su		9045D	11/06/09	1
Sodium Adsorption Ratio	6.7					Calc.	11/04/09	1
Specific Conductance	410			umhos/cm		9050AMo	11/09/09	1
Arsenic	U	0.32	1.0	mg/kg		6010B	11/09/09	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD
RDL = Reported Detection Limit = LOQ = PQL = EQL
Note:

The reported analytical results relate only to the sample submitted.
This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 11/11/09 11:23 Printed: 11/11/09 11:24
L430535-02 (PH) - 7.9@19.4c

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L430535-01	WG449893	SAMP	Toluene	R990589	J
	WG449557	SAMP	Chromium, Hexavalent	R986828	J
	WG449246	SAMP	Mercury	R988748	J
	WG449368	SAMP	Fluorene	R986669	J

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.

Qualifier Report Information

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

Definitions

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

Summary of Remarks For Samples Printed
11/11/09 at 11:24:36

TSR Signing Reports: 134
R5 - Desired TAT

Sample: L430535-01 Account: OXYGJCO Received: 11/05/09 09:00 Due Date: 11/12/09 00:00 RPT Date: 11/11/09 11:23

Sample: L430535-02 Account: OXYGJCO Received: 11/05/09 09:00 Due Date: 11/12/09 00:00 RPT Date: 11/11/09 11:23

Company Name/Address:
OXY USA - Grand Junction, CO

760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

Alternate billing information:

Analysis/Container/Preservative	
✓ BTEX	✓ 6RO/URO
✓ SAR, EC, PH	✓ AS
✓ Ca, Cr, Cu, Pb, Hg, Ni, Se, Ag, Zn	✓ CR III
	✓ PAH

Chain of Custody
Page 1 of 1

Prepared by: **F161**

**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Road
Mt. Juliet, TN 37122

Phone (615) 758-5858
Phone (800) 767-5859
FAX (615) 758-5859

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

Project Description: Pit Reclaims - Colbran City/State Collected: _____

Phone: (970) 263-3601 Client Project #: _____ ESC Key: _____

FAX: _____ Site/Facility ID#: _____ P.O.#: _____

Collected by: Brett Kennedy

Collected by (signature): Brett Kennedy
Immediately _____ Packed on Ice N Y ✓
Rush? (Lab MUST Be Notified)
 _____ Same Day 200%
 _____ Next Day 100%
 _____ Two Day 50%
 _____ Three Day 25%
 Date Results Needed:
 Email? No Yes ✓
 FAX? Yes No ✓

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

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	BTEX	6RO/URO	SAR, EC, PH	AS	Ca, Cr, Cu, Pb, Hg, Ni, Se, Ag, Zn	CR III	PAH	Remarks/Contaminant	Sample # (lab only)
Stites 20-8 Post Rec	Comp	SS	0-6"	11/04/09	1235	2	✓	✓	✓	✓	✓	✓	✓		L430535-21
Stites 20-8 B6	↓	↓	↓	↓	1300	1			✓	✓					L43053502

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

9632 6257 0277

Relinquished by: (Signature) <u>Brett Kennedy</u>	Date: 11/04/09	Time: 1600	Received by: (Signature)	Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier <input type="checkbox"/>	Condition: (lab use only) OK
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 44	Bottles Received: 3
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) Philip Duckett	Date: 11-5-09	Time: 6200
				pH Checked:	NCF



Technical Report for

Oxy USA Inc.

Colibran - Pit Reclaims

Accutest Job Number: T41652

Sampling Date: 11/04/09

Report to:

Oxy USA Inc.
760 Horizon DR, Suite 101
Grand Junction, CO 81506
Brett_Kennedy@oxy.com

ATTN: Brett Kennedy

Total number of pages in report: **21**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Paul Canevaro
Laboratory Director

Client Service contact: Marianne Walker 713-271-4700

Certifications: TX (T104704220-06-TX) AR (88-0756) FL (E87628) KS (E-10366) LA (85695/04004)
OK (9103) UT(7132714700)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.



Table of Contents

-1-

Section 1: Sample Summary	3
Section 2: Sample Results	4
2.1: T41652-1: STITES 20-8 POST REC	5
2.2: T41652-1A: STITES 20-8 POST REC	6
Section 3: Misc. Forms	7
3.1: Chain of Custody	8
Section 4: Metals Analysis - QC Data Summaries	11
4.1: Prep QC MP10613: Ba	12
4.2: Prep QC MP10614: B	17



Sample Summary

Oxy USA Inc.

Job No: T41652

Colibran - Pit Reclaims

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
T41652-1	11/04/09	12:35 BK	11/06/09	SO	Soil	STITES 20-8 POST REC
T41652-1A	11/04/09	12:35 BK	11/06/09	SO	Soil	STITES 20-8 POST REC

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	STITES 20-8 POST REC	Date Sampled:	11/04/09
Lab Sample ID:	T41652-1	Date Received:	11/06/09
Matrix:	SO - Soil	Percent Solids:	66.0
Project:	Colibran - Pit Reclaims		

Total True Barium Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Barium	16800	300	mg/kg	20	11/09/09	11/13/09 NS	SW846 6010B ¹	LADNR 29B ²

(1) Instrument QC Batch: MA4393

(2) Prep QC Batch: MP10613

RL = Reporting Limit

Report of Analysis

Client Sample ID:	STITES 20-8 POST REC	Date Sampled:	11/04/09
Lab Sample ID:	T41652-1A	Date Received:	11/06/09
Matrix:	SO - Soil	Percent Solids:	66.0
Project:	Colibran - Pit Reclaims		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Boron	2.50	0.20	mg/l	1	11/09/09	11/13/09 NS	SW846 6010B ¹	LADNR 29B ²

(1) Instrument QC Batch: MA4392

(2) Prep QC Batch: MP10614

RL = Reporting Limit



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



CHAIN OF CUSTODY

2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

FED-EX Tracking #		Bottle Order Control #	
Accutest Quote #		Accutest Job # T41652	
Client / Reporting Information		Project Information	
Company Name OXY USA WTP LP		Project Name: Pit Reclaims - Colbran	
Address 760 Horizon Dr., Ste. 101		Street	
City Grand Junction, CO	State CO	Zip 81506	City State
Project Contact: Brett Kennedy		Project #	
Phone # 970-263-3601		Fax #	
Samplers Name Brett Kennedy		Client Purchase Order #	
Accutest	SUMMA #	Collection	
Sample #	Field ID / Point of Collection	MEOH Vial #	Date
	St175 20-8 Post Rec		11/04/09 1235
		Sampled by	Matrix
		BK	SD
		# of bottles	
		1	
<input type="checkbox"/> 024 <input type="checkbox"/> 022 <input type="checkbox"/> 020 <input type="checkbox"/> 019 <input type="checkbox"/> 018 <input type="checkbox"/> 017 <input type="checkbox"/> 016 <input type="checkbox"/> 015 <input type="checkbox"/> 014 <input type="checkbox"/> 013 <input type="checkbox"/> 012 <input type="checkbox"/> 011 <input type="checkbox"/> 010 <input type="checkbox"/> 009 <input type="checkbox"/> 008 <input type="checkbox"/> 007 <input type="checkbox"/> 006 <input type="checkbox"/> 005 <input type="checkbox"/> 004 <input type="checkbox"/> 003 <input type="checkbox"/> 002 <input type="checkbox"/> 001 <input type="checkbox"/> 0280 <input type="checkbox"/> 024 <input type="checkbox"/> 023 <input type="checkbox"/> 022 <input type="checkbox"/> 021 <input type="checkbox"/> 020 <input type="checkbox"/> 019 <input type="checkbox"/> 018 <input type="checkbox"/> 017 <input type="checkbox"/> 016 <input type="checkbox"/> 015 <input type="checkbox"/> 014 <input type="checkbox"/> 013 <input type="checkbox"/> 012 <input type="checkbox"/> 011 <input type="checkbox"/> 010 <input type="checkbox"/> 009 <input type="checkbox"/> 008 <input type="checkbox"/> 007 <input type="checkbox"/> 006 <input type="checkbox"/> 005 <input type="checkbox"/> 004 <input type="checkbox"/> 003 <input type="checkbox"/> 002 <input type="checkbox"/> 001 <input type="checkbox"/> 0270 <input type="checkbox"/> 023 <input type="checkbox"/> 022 <input type="checkbox"/> 021 <input type="checkbox"/> 020 <input type="checkbox"/> 019 <input type="checkbox"/> 018 <input type="checkbox"/> 017 <input type="checkbox"/> 016 <input type="checkbox"/> 015 <input type="checkbox"/> 014 <input type="checkbox"/> 013 <input type="checkbox"/> 012 <input type="checkbox"/> 011 <input type="checkbox"/> 010 <input type="checkbox"/> 009 <input type="checkbox"/> 008 <input type="checkbox"/> 007 <input type="checkbox"/> 006 <input type="checkbox"/> 005 <input type="checkbox"/> 004 <input type="checkbox"/> 003 <input type="checkbox"/> 002 <input type="checkbox"/> 001 <input type="checkbox"/> 0260 <input type="checkbox"/> 024 <input type="checkbox"/> 023 <input type="checkbox"/> 022 <input type="checkbox"/> 021 <input type="checkbox"/> 020 <input type="checkbox"/> 019 <input type="checkbox"/> 018 <input type="checkbox"/> 017 <input type="checkbox"/> 016 <input type="checkbox"/> 015 <input type="checkbox"/> 014 <input type="checkbox"/> 013 <input type="checkbox"/> 012 <input type="checkbox"/> 011 <input type="checkbox"/> 010 <input type="checkbox"/> 009 <input type="checkbox"/> 008 <input type="checkbox"/> 007 <input type="checkbox"/> 006 <input type="checkbox"/> 005 <input type="checkbox"/> 004 <input type="checkbox"/> 003 <input type="checkbox"/> 002 <input type="checkbox"/> 001 <input type="checkbox"/> 0250 <input type="checkbox"/> 024 <input type="checkbox"/> 023 <input type="checkbox"/> 022 <input type="checkbox"/> 021 <input type="checkbox"/> 020 <input type="checkbox"/> 019 <input type="checkbox"/> 018 <input type="checkbox"/> 017 <input type="checkbox"/> 016 <input type="checkbox"/> 015 <input type="checkbox"/> 014 <input type="checkbox"/> 013 <input type="checkbox"/> 012 <input type="checkbox"/> 011 <input type="checkbox"/> 010 <input type="checkbox"/> 009 <input type="checkbox"/> 008 <input type="checkbox"/> 007 <input type="checkbox"/> 006 <input type="checkbox"/> 005 <input type="checkbox"/> 004 <input type="checkbox"/> 003 <input type="checkbox"/> 002 <input type="checkbox"/> 001 <input type="checkbox"/> 0240 <input type="checkbox"/> 024 <input type="checkbox"/> 023 <input type="checkbox"/> 022 <input type="checkbox"/> 021 <input type="checkbox"/> 020 <input type="checkbox"/> 019 <input type="checkbox"/> 018 <input type="checkbox"/> 017 <input type="checkbox"/> 016 <input type="checkbox"/> 015 <input type="checkbox"/> 014 <input type="checkbox"/> 013 <input type="checkbox"/> 012 <input type="checkbox"/> 011 <input type="checkbox"/> 010 <input type="checkbox"/> 009 <input type="checkbox"/> 008 <input type="checkbox"/> 007 <input type="checkbox"/> 006 <input type="checkbox"/> 005 <input type="checkbox"/> 004 <input type="checkbox"/> 003 <input type="checkbox"/> 002 <input type="checkbox"/> 001 <input type="checkbox"/> 0230 <input type="checkbox"/> 024 <input type="checkbox"/> 023 <input type="checkbox"/> 022 <input type="checkbox"/> 021 <input type="checkbox"/> 020 <input type="checkbox"/> 019 <input type="checkbox"/> 018 <input type="checkbox"/> 017 <input type="checkbox"/> 016 <input type="checkbox"/> 015 <input type="checkbox"/> 014 <input type="checkbox"/> 013 <input type="checkbox"/> 012 <input type="checkbox"/> 011 <input type="checkbox"/> 010 <input type="checkbox"/> 009 <input type="checkbox"/> 008 <input type="checkbox"/> 007 <input type="checkbox"/> 006 <input type="checkbox"/> 005 <input type="checkbox"/> 004 <input type="checkbox"/> 003 <input type="checkbox"/> 002 <input type="checkbox"/> 001 <input type="checkbox"/> 0220 <input type="checkbox"/> 024 <input type="checkbox"/> 023 <input type="checkbox"/> 022 <input type="checkbox"/> 021 <input type="checkbox"/> 020 <input type="checkbox"/> 019 <input type="checkbox"/> 018 <input type="checkbox"/> 017 <input type="checkbox"/> 016 <input type="checkbox"/> 015 <input type="checkbox"/> 014 <input type="checkbox"/> 013 <input type="checkbox"/> 012 <input type="checkbox"/> 011 <input type="checkbox"/> 010 <input type="checkbox"/> 009 <input type="checkbox"/> 008 <input type="checkbox"/> 007 <input type="checkbox"/> 006 <input type="checkbox"/> 005 <input type="checkbox"/> 004 <input type="checkbox"/> 003 <input type="checkbox"/> 002 <input type="checkbox"/> 001 <input type="checkbox"/> 0210 <input type="checkbox"/> 024 <input type="checkbox"/> 023 <input type="checkbox"/> 022 <input type="checkbox"/> 021 <input type="checkbox"/> 020 <input type="checkbox"/> 019 <input type="checkbox"/> 018 <input type="checkbox"/> 017 <input type="checkbox"/> 016 <input type="checkbox"/> 015 <input type="checkbox"/> 014 <input type="checkbox"/> 013 <input type="checkbox"/> 012 <input type="checkbox"/> 011 <input type="checkbox"/> 010 <input type="checkbox"/> 009 <input type="checkbox"/> 008 <input type="checkbox"/> 007 <input type="checkbox"/> 006 <input type="checkbox"/> 005 <input type="checkbox"/> 004 <input type="checkbox"/> 003 <input type="checkbox"/> 002 <input type="checkbox"/> 001 <input type="checkbox"/> 0200 <input type="checkbox"/> 024 <input type="checkbox"/> 023 <input type="checkbox"/> 022 <input type="checkbox"/> 021 <input type="checkbox"/> 020 <input type="checkbox"/> 019 <input type="checkbox"/> 018 <input type="checkbox"/> 017 <input type="checkbox"/> 016 <input type="checkbox"/> 015 <input type="checkbox"/> 014 <input type="checkbox"/> 013 <input type="checkbox"/> 012 <input type="checkbox"/> 011 <input type="checkbox"/> 010 <input type="checkbox"/> 009 <input type="checkbox"/> 008 <input type="checkbox"/> 007 <input type="checkbox"/> 006 <input type="checkbox"/> 005 <input type="checkbox"/> 004 <input type="checkbox"/> 003 <input type="checkbox"/> 002 <input type="checkbox"/> 001 <input type="checkbox"/> 0190 <input type="checkbox"/> 024 <input type="checkbox"/> 023 <input type="checkbox"/> 022 <input type="checkbox"/> 021 <input type="checkbox"/> 020 <input type="checkbox"/> 019 <input type="checkbox"/> 018 <input type="checkbox"/> 017 <input type="checkbox"/> 016 <input type="checkbox"/> 015 <input type="checkbox"/> 014 <input type="checkbox"/> 013 <input type="checkbox"/> 012 <input type="checkbox"/> 011 <input type="checkbox"/> 010 <input type="checkbox"/> 009 <input type="checkbox"/> 008 <input type="checkbox"/> 007 <input type="checkbox"/> 006 <input type="checkbox"/> 005 <input type="checkbox"/> 004 <input type="checkbox"/> 003 <input type="checkbox"/> 002 <input type="checkbox"/> 001 <input type="checkbox"/> 0180 <input type="checkbox"/> 024 <input type="checkbox"/> 023 <input type="checkbox"/> 022 <input type="checkbox"/> 021 <input type="checkbox"/> 020 <input type="checkbox"/> 019 <input type="checkbox"/> 018 <input type="checkbox"/> 017 <input type="checkbox"/> 016 <input type="checkbox"/> 015 <input type="checkbox"/> 014 <input type="checkbox"/> 013 <input type="checkbox"/> 012 <input type="checkbox"/> 011 <input type="checkbox"/> 010 <input type="checkbox"/> 009 <input type="checkbox"/> 008 <input type="checkbox"/> 007 <input type="checkbox"/> 006 <input type="checkbox"/> 005 <input type="checkbox"/> 004 <input type="checkbox"/> 003 <input type="checkbox"/> 002 <input type="checkbox"/> 001 <input type="checkbox"/> 0170 <input type="checkbox"/> 024 <input type="checkbox"/> 023 <input type="checkbox"/> 022 <input type="checkbox"/> 021 <input type="checkbox"/> 020 <input type="checkbox"/> 019 <input type="checkbox"/> 018 <input type="checkbox"/> 017 <input type="checkbox"/> 016 <input type="checkbox"/> 015 <input type="checkbox"/> 014 <input type="checkbox"/> 013 <input type="checkbox"/> 012 <input type="checkbox"/> 011 <input type="checkbox"/> 010 <input type="checkbox"/> 009 <input type="checkbox"/> 008 <input type="checkbox"/> 007 <input type="checkbox"/> 006 <input type="checkbox"/> 005 <input type="checkbox"/> 004 <input type="checkbox"/> 003 <input type="checkbox"/> 002 <input type="checkbox"/> 001 <input type="checkbox"/> 0160 <input type="checkbox"/> 024 <input type="checkbox"/> 023 <input type="checkbox"/> 022 <input type="checkbox"/> 021 <input type="checkbox"/> 020 <input type="checkbox"/> 019 <input type="checkbox"/> 018 <input type="checkbox"/> 017 <input type="checkbox"/> 016 <input type="checkbox"/> 015 <input type="checkbox"/> 014 <input type="checkbox"/> 013 <input type="checkbox"/> 012 <input type="checkbox"/> 011 <input type="checkbox"/> 010 <input type="checkbox"/> 009 <input type="checkbox"/> 008 <input type="checkbox"/> 007 <input type="checkbox"/> 006 <input type="checkbox"/> 005 <input type="checkbox"/> 004 <input type="checkbox"/> 003 <input type="checkbox"/> 002 <input type="checkbox"/> 001 <input type="checkbox"/> 0150 <input type="checkbox"/> 024 <input type="checkbox"/> 023 <input type="checkbox"/> 022 <input type="checkbox"/> 021 <input type="checkbox"/> 020 <input type="checkbox"/> 019 <input type="checkbox"/> 018 <input type="checkbox"/> 017 <input type="checkbox"/> 016 <input type="checkbox"/> 015 <input type="checkbox"/> 014 <input type="checkbox"/> 013 <input type="checkbox"/> 012 <input type="checkbox"/> 011 <input type="checkbox"/> 010 <input type="checkbox"/> 009 <input type="checkbox"/> 008 <input type="checkbox"/> 007 <input type="checkbox"/> 006 <input type="checkbox"/> 005 <input type="checkbox"/> 004 <input type="checkbox"/> 003 <input type="checkbox"/> 002 <input type="checkbox"/> 001 <input type="checkbox"/> 0140 <input type="checkbox"/> 024 <input type="checkbox"/> 023 <input type="checkbox"/> 022 <input type="checkbox"/> 021 <input type="checkbox"/> 020 <input type="checkbox"/> 019 <input type="checkbox"/> 018 <input type="checkbox"/> 017 <input type="checkbox"/> 016 <input type="checkbox"/> 015 <input type="checkbox"/> 014 <input type="checkbox"/> 013 <input type="checkbox"/> 012 <input type="checkbox"/> 011 <input type="checkbox"/> 010 <input type="checkbox"/> 009 <input type="checkbox"/> 008 <input type="checkbox"/> 007 <input type="checkbox"/> 006 <input type="checkbox"/> 005 <input type="checkbox"/> 004 <input type="checkbox"/> 003 <input type="checkbox"/> 002 <input type="checkbox"/> 001 <input type="checkbox"/> 0130 <input type="checkbox"/> 024 <input type="checkbox"/> 023 <input type="checkbox"/> 022 <input type="checkbox"/> 021 <input type="checkbox"/> 020 <input type="checkbox"/> 019 <input type="checkbox"/> 018 <input type="checkbox"/> 017 <input type="checkbox"/> 016 <input type="checkbox"/> 015 <input type="checkbox"/> 014 <input type="checkbox"/> 013 <input type="checkbox"/> 012 <input type="checkbox"/> 011 <input type="checkbox"/> 010 <input type="checkbox"/> 009 <input type="checkbox"/> 008 <input type="checkbox"/> 007 <input type="checkbox"/> 006 <input type="checkbox"/> 005 <input type="checkbox"/> 004 <input type="checkbox"/> 003 <input type="checkbox"/> 002 <input type="checkbox"/> 001 <input type="checkbox"/> 0120 <input type="checkbox"/> 024 <input type="checkbox"/> 023 <input type="checkbox"/> 022 <input type="checkbox"/> 021 <input type="checkbox"/> 020 <input type="checkbox"/> 019 <input type="checkbox"/> 018 <input type="checkbox"/> 017 <input type="checkbox"/> 016 <input type="checkbox"/> 015 <input type="checkbox"/> 014 <input type="checkbox"/> 013 <input type="checkbox"/> 012 <input type="checkbox"/> 011 <input type="checkbox"/> 010 <input type="checkbox"/> 009 <input type="checkbox"/> 008 <input type="checkbox"/> 007 <input type="checkbox"/> 006 <input type="checkbox"/> 005 <input type="checkbox"/> 004 <input type="checkbox"/> 003 <input type="checkbox"/> 002 <input type="checkbox"/> 001 <input type="checkbox"/> 0110 <input type="checkbox"/> 024 <input type="checkbox"/> 023 <input type="checkbox"/> 022 <input type="checkbox"/> 021 <input type="checkbox"/> 020 <input type="checkbox"/> 019 <input type="checkbox"/> 018 <input type="checkbox"/> 017 <input type="checkbox"/> 016 <input type="checkbox"/> 015 <input type="checkbox"/> 014 <input type="checkbox"/> 013 <input type="checkbox"/> 012 <input type="checkbox"/> 011 <input type="checkbox"/> 010 <input type="checkbox"/> 009 <input type="checkbox"/> 008 <input type="checkbox"/> 007 <input type="checkbox"/> 006 <input type="checkbox"/> 005 <input type="checkbox"/> 004 <input type="checkbox"/> 003 <input type="checkbox"/> 002 <input type="checkbox"/> 001 <input type="checkbox"/> 0100 <input type="checkbox"/> 024 <input type="checkbox"/> 023 <input type="checkbox"/> 022 <input type="checkbox"/> 021 <input type="checkbox"/> 020 <input type="checkbox"/> 019 <input type="checkbox"/> 018 <input type="checkbox"/> 017 <input type="checkbox"/> 016 <input type="checkbox"/> 015 <input type="checkbox"/> 014 <input type="checkbox"/> 013 <input type="checkbox"/> 012 <input type="checkbox"/> 011 <input type="checkbox"/> 010 <input type="checkbox"/> 009 <input type="checkbox"/> 008 <input type="checkbox"/> 007 <input type="checkbox"/> 006 <input type="checkbox"/> 005 <input type="checkbox"/> 004 <input type="checkbox"/> 003 <input type="checkbox"/> 002 <input type="checkbox"/> 001 <input type="checkbox"/> 0090 <input type="checkbox"/> 024 <input type="checkbox"/> 023 <input type="checkbox"/> 022 <input type="checkbox"/> 021 <input type="checkbox"/> 020 <input type="checkbox"/> 019 <input type="checkbox"/> 018 <input type="checkbox"/> 017 <input type="checkbox"/> 016 <input type="checkbox"/> 015 <input type="checkbox"/> 014 <input type="checkbox"/> 013 <input type="checkbox"/> 012 <input type="checkbox"/> 011 <input type="checkbox"/> 010 <input type="checkbox"/> 009 <input type="checkbox"/> 008 <input type="checkbox"/> 007 <input type="checkbox"/> 006 <input type="checkbox"/> 005 <input type="checkbox"/> 004 <input type="checkbox"/> 003 <input type="checkbox"/> 002 <input type="checkbox"/> 001 <input type="checkbox"/> 0080 <input type="checkbox"/> 024 <input type="checkbox"/> 023 <input type="checkbox"/> 022 <input type="checkbox"/> 021 <input type="checkbox"/> 020 <input type="checkbox"/> 019 <input type="checkbox"/> 018 <input type="checkbox"/> 017 <input type="checkbox"/> 016 <input type="checkbox"/> 015 <input type="checkbox"/> 014 <input type="checkbox"/> 013 <input type="checkbox"/> 012 <input type="checkbox"/> 011 <input type="checkbox"/> 010 <input type="checkbox"/> 009 <input type="checkbox"/> 008 <input type="checkbox"/> 007 <input type="checkbox"/> 006 <input type="checkbox"/> 005 <input type="checkbox"/> 004 <input type="checkbox"/> 003 <input type="checkbox"/> 002 <input type="checkbox"/> 001 <input type="checkbox"/> 0070 <input type="checkbox"/> 024 <input type="checkbox"/> 023 <input type="checkbox"/> 022 <input type="checkbox"/> 021 <input type="checkbox"/> 020 <input type="checkbox"/> 019 <input type="checkbox"/> 018 <input type="checkbox"/> 017 <input type="checkbox"/> 016 <input type="checkbox"/> 015 <input type="checkbox"/> 014 <input type="checkbox"/> 013 <input type="checkbox"/> 012 <input type="checkbox"/> 011 <input type="checkbox"/> 010 <input type="checkbox"/> 009 <input type="checkbox"/> 008 <input type="checkbox"/> 007 <input type="checkbox"/> 006 <input type="checkbox"/> 005 <input type="checkbox"/> 004 <input type="checkbox"/> 003 <input type="checkbox"/> 002 <input type="checkbox"/> 001 <input type="checkbox"/> 0060 <input type="checkbox"/> 024 <input type="checkbox"/> 023 <input type="checkbox"/> 022 <input type="checkbox"/> 021 <input type="checkbox"/> 020 <input type="checkbox"/> 019 <input type="checkbox"/> 018 <input type="checkbox"/> 017 <input type="checkbox"/> 016 <input type="checkbox"/> 015 <input type="checkbox"/> 014 <input type="checkbox"/> 013 <input type="checkbox"/> 012 <input type="checkbox"/> 011 <input type="checkbox"/> 010 <input type="checkbox"/> 009 <input type="checkbox"/> 008 <input type="checkbox"/> 007 <input type="checkbox"/> 006 <input type="checkbox"/> 005 <input type="checkbox"/> 004 <input type="checkbox"/> 003 <input type="checkbox"/> 002 <input type="checkbox"/> 001 <input type="checkbox"/> 0050 <input type="checkbox"/> 024 <input type="checkbox"/> 023 <input type="checkbox"/> 022 <input type="checkbox"/> 021 <input type="checkbox"/> 020 <input type="checkbox"/> 019 <input type="checkbox"/> 018 <input type="checkbox"/> 017 <input type="checkbox"/> 016 <input type="checkbox"/> 015 <input type="checkbox"/> 014 <input type="checkbox"/> 013 <input type="checkbox"/> 012 <input type="checkbox"/> 011 <input type="checkbox"/> 010 <input type="checkbox"/> 009 <input type="checkbox"/> 008 <input type="checkbox"/> 007 <input type="checkbox"/> 006 <input type="checkbox"/> 005 <input type="checkbox"/> 004 <input type="checkbox"/> 003 <input type="checkbox"/> 002 <input type="checkbox"/> 001 <input type="checkbox"/> 0040 <input type="checkbox"/> 024 <input type="checkbox"/> 023 <input type="checkbox"/> 022 <input type="checkbox"/> 021 <input type="checkbox"/> 020 <input type="checkbox"/> 019 <input type="checkbox"/> 018 <input type="checkbox"/> 017 <input type="checkbox"/> 016 <input type="checkbox"/> 015 <input type="checkbox"/> 014 <input type="checkbox"/> 013 <input type="checkbox"/> 012 <input type="checkbox"/> 011 <input type="checkbox"/> 010 <input type="checkbox"/> 009 <input type="checkbox"/> 008 <input type="checkbox"/> 007 <input type="checkbox"/> 006 <input type="checkbox"/> 005 <input type="checkbox"/> 004 <input type="checkbox"/> 003 <input type="checkbox"/> 002 <input type="checkbox"/> 001 <input type="checkbox"/> 0030 <input type="checkbox"/> 024 <input type="checkbox"/> 023 <input type="checkbox"/> 022 <input type="checkbox"/> 021 <input type="checkbox"/> 020 <input type="checkbox"/> 019 <input type="checkbox"/> 018 <input type="checkbox"/> 017 <input type="checkbox"/> 016 <input type="checkbox"/> 015 <input type="checkbox"/> 014 <input type="checkbox"/> 013 <input type="checkbox"/> 012 <input type="checkbox"/> 011 <input type="checkbox"/> 010 <input type="checkbox"/> 009 <input type="checkbox"/> 008 <input type="checkbox"/> 007 <input type="checkbox"/> 006 <input type="checkbox"/> 005 <input type="checkbox"/> 004 <input type="checkbox"/> 003 <input type="checkbox"/> 002 <input type="checkbox"/> 001 <input type="checkbox"/> 0020 <input type="checkbox"/> 024 <input type="checkbox"/> 023 <input type="checkbox"/> 022 <input type="checkbox"/> 021 <input type="checkbox"/> 020 <input type="checkbox"/> 019 <input type="checkbox"/> 018 <input type="checkbox"/> 017 <input type="checkbox"/> 016 <input type="checkbox"/> 015 <input type="checkbox"/> 014 <input type="checkbox"/> 013 <input type="checkbox"/> 012 <input type="checkbox"/> 011 <input type="checkbox"/> 010 <input type="checkbox"/> 009 <input type="checkbox"/> 008 <input type="checkbox"/> 007 <input type="checkbox"/> 006 <input type="checkbox"/> 005 <input type="checkbox"/> 004 <input type="checkbox"/> 003 <input type="checkbox"/> 002 <input type="checkbox"/> 001 <input type="checkbox"/> 0010 <input type="checkbox"/> 024 <input type="checkbox"/> 023 <input type="checkbox"/> 022 <input type="checkbox"/> 021 <input type="checkbox"/> 020 <input type="checkbox"/> 019 <input type="checkbox"/> 018 <input type="checkbox"/> 017 <input type="checkbox"/> 016 <input type="checkbox"/> 015 <input type="checkbox"/> 014 <input type="checkbox"/> 013 <input type="checkbox"/> 012 <input type="checkbox"/> 011 <input type="checkbox"/> 010 <input type="checkbox"/> 009 <input type="checkbox"/> 008 <input type="checkbox"/> 007 <input type="checkbox"/> 006 <input type="checkbox"/> 005 <input type="checkbox"/> 004 <input type="checkbox"/> 003 <input type="checkbox"/> 002 <input type="checkbox"/> 001 			
Turnaround Time (Business days)		Data Deliverable Information	
<input checked="" type="checkbox"/> Std. 15 Business Days <input type="checkbox"/> 10 Day RUSH <input checked="" type="checkbox"/> 5 Day RUSH <input type="checkbox"/> 3 Day EMERGENCY <input type="checkbox"/> 2 Day EMERGENCY <input type="checkbox"/> 1 Day EMERGENCY <input type="checkbox"/> Other		<input checked="" type="checkbox"/> Commercial "A" <input type="checkbox"/> FULL CLP <input type="checkbox"/> Commercial "B" <input type="checkbox"/> NYASP Category A <input type="checkbox"/> NJ Reduced <input type="checkbox"/> NYASP Category B <input type="checkbox"/> NJ Full <input type="checkbox"/> State Forms <input type="checkbox"/> Other <input type="checkbox"/> EDD Format	
Emergency TIA data available VIA Lablink		Commercial "A" = Results Only	
Sample Custody must be documented below each time samples change possession, including courier delivery.			
Relinquished by Sampler: <i>Brett Kennedy</i>	Date Time: 11/04/09 1610	Received By: 1 Ted-Ex	Relinquished By: 2 Ted-Ex
Relinquished by:	Date Time:	Received By:	Relinquished By:
3		3	4
Relinquished by:	Date Time:	Received By:	Relinquished By:
5		5	4
Custody Seal		Preserved where applicable	
		On Ice <input type="checkbox"/> Cool Temp. <input type="checkbox"/> NO ICE	

31
3

SAMPLE INSPECTION FORM

Accutest Job Number: T41652 Client: Oxy Date/Time Received: 11-6-9 9:00
 # of Coolers Received: 1 Thermometer #: IR-1 Temperature Adjustment Factor: f.4
 Cooler Temps: #1: 19.9 °C #2: _____ #3: _____ #4: _____ #5: _____ #6: _____ #7: _____ #8: _____
 Method of Delivery: FEDEX UPS Accutest Courier Greyhound Delivery Other
 Airbill Numbers: _____

COOLER INFORMATION

- Custody seal missing or not intact
- Temperature criteria not met
- Wet ice received in cooler

CHAIN OF CUSTODY

- Chain of Custody not received
- Sample D/T unclear or missing
- Analyses unclear or missing
- COC not properly executed

SAMPLE INFORMATION

- Sample containers received broken
- VOC vials have headspace
- Sample labels missing or illegible
- ID on COC does not match label(s)
- D/T on COC does not match label(s)
- Sample/Bottles recvd but no analysis on COC
- Sample listed on COC, but not received
- Bottles missing for requested analysis
- Insufficient volume for analysis
- Sample received improperly preserved

TRIP BLANK INFORMATION

- Trip Blank on COC but not received
- Trip Blank received but not on COC
- Trip Blank not intact
- Received Water Trip Blank
- Received Soil TB

Number of Encores? _____
 Number of 5035 kits? _____
 Number of lab-filtered metals? _____

Summary of Discrepancies:

NO ICE

TECHNICIAN SIGNATURE/DATE: _____

INFORMATION AND SAMPLE LABELING VERIFIED BY: _____

CORRECTIVE ACTIONS

Client Representative Notified: _____

Date: _____

By Accutest Representative: _____

Via: _____

Phone _____

Email _____

Client Instructions:

Formwalked from camScanner

T41652: Chain of Custody

Page 2 of 3



Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: T41652
Account: OXYCOGJ - Oxy USA Inc.
Project: Colibrán - Pit Reclaims

QC Batch ID: MP10613
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 11/09/09

Metal	RL	IDL	MDL	MB raw	final
Aluminum	10	.82	2.2		
Antimony	0.50	.11	.14		
Arsenic	0.50	.089	.1		
Barium	10	.007	.03	0.16	<10
Beryllium	0.25	.0055	.01		
Boron	5.0	.054	.11		
Cadmium	0.25	.013	.05		
Calcium	250	.27	.86		
Chromium	0.50	.055	.035		
Cobalt	2.5	.025	.09		
Copper	1.3	.029	.065		
Iron	5.0	.65	1.1		
Lead	0.50	.079	.2		
Magnesium	250	.34	.58		
Manganese	0.75	.01	.035		
Molybdenum	0.50	.048	.075		
Nickel	2.0	.048	.065		
Potassium	250	2.7	16		
Selenium	0.50	.16	.12		
Silver	0.50	.043	.04		
Sodium	250	6.5	13		
Strontium	1.0	.0085	.025		
Thallium	0.50	.16	.25		
Tin	1.0	.09	.12		
Titanium	1.0	.015	.045		
Vanadium	2.5	.03	.06		
Zinc	1.0	.025	.2		

Associated samples MP10613: T41652-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

4.1.1
4

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T41652
 Account: OXYCOGJ - Oxy USA Inc.
 Project: Colibrán - Pit Reclaims

QC Batch ID: MP10613
 Matrix Type: SOLID

Methods: SW846 6010B
 Units: mg/kg

Prep Date: 11/09/09

11/09/09

Metal	T41327-1AB Original DUP		RPD	QC Limits	T41327-1AB Original MS		Spikelot MPTW4	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium	1630	1610	1.2	0-20	1630	1590	23.5	-170.4(a)	80-120
Beryllium									
Boron									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP10613: T41652-1

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

4.1.2
 4

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T41652
 Account: OXYCOGJ - Oxy USA Inc.
 Project: Colibrán - Pit Reclaims

QC Batch ID: MP10613
 Matrix Type: SOLID

Methods: SW846 6010B
 Units: mg/kg

Prep Date: 11/09/09

Metal	T41327-LAB Original MSD		SpikeLot MPTW4	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium	1630	1580	23	-217.5(a)	0.6	20
Beryllium						
Boron						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP10613: T41652-1

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: T41652
 Account: OXYCOGJ - Oxy USA Inc.
 Project: Colibrán - Pit Reclaims

QC Batch ID: MP10613
 Matrix Type: SOLID

Methods: SW846 6010B
 Units: mg/kg

Prep Date: 11/09/09

Metal	BSP Result	Spikelot MPTW4	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium	19.5	20	97.5	80-120
Beryllium				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP10613: T41652-1

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

4.1.3
4

SERIAL DILUTION RESULTS SUMMARY

Login Number: T41652
 Account: OXYCOGJ - Oxy USA Inc.
 Project: Colibrán - Pit Reclaims

QC Batch ID: MP10613
 Matrix Type: SOLID

Methods: SW846 6010B
 Units: ug/l

Prep Date: 11/09/09

Metal	T41327-LAB	QC
	Original SDL 5:25 %DIF	Limits

Aluminum				
Antimony				
Arsenic				
Barium	27100	28200	3.9	0-10
Beryllium				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP10613: T41652-1

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

4.1.4
4

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: T41652
Account: OXYCOGJ - Oxy USA Inc.
Project: Colibrán - Pit Reclaims

QC Batch ID: MP10614
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 11/09/09

Metal	RL	IDL	MDL	MB raw	final
Aluminum	400	33	34		
Antimony	10	4.5	6		
Arsenic	10	3.5	4		
Barium	400	.28	5.4		
Beryllium	10	.22	.4		
Boron	200	2.2	4.2	121	<200
Cadmium	8.0	.5	.6		
Calcium	10000	11	70		
Chromium	20	2.2	3.8		
Cobalt	100	1	1.6		
Copper	50	1.2	12		
Iron	200	26	26		
Lead	6.0	3.2	3.4		
Magnesium	10000	13	16		
Manganese	30	.4	15		
Molybdenum	20	1.9	2.6		
Nickel	80	1.9	6.4		
Potassium	10000	110	110		
Selenium	10	6.5	6.4		
Silver	20	1.7	1.6		
Sodium	10000	260	270		
Strontium	40	.34	.8		
Thallium	20	6.5	5.2		
Tin	40	3.6	5.8		
Titanium	40	.6	.6		
Vanadium	100	1.2	1.2		
Zinc	40	.98	8.2		

Associated samples MP10614: T41652-1A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T41652
 Account: OXYCOGJ - Oxy USA Inc.
 Project: Colibrán - Pit Reclaims

QC Batch ID: MP10614
 Matrix Type: AQUEOUS

Methods: SW846 6010B
 Units: ug/l

Prep Date: 11/09/09 11/09/09

Metal	T41327-1AA Original	DUP	RPD	QC Limits	T41327-1AA Original MS	Spikelot MPTW4	% Rec	QC Limits	
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Boron	3090	3060	1.0	0-20	3090	5430	1000	120.9	80-120
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP10614: T41652-1A

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

4.2.2
 4

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T41652
 Account: OXYCOGJ - Oxy USA Inc.
 Project: Colibrán - Pit Reclaims

QC Batch ID: MP10614
 Matrix Type: AQUEOUS

Methods: SW846 6010B
 Units: ug/l

Prep Date: 11/09/09

Metal	T41327-1AA Original MSD	Spikelot MPTW4	% Rec	MSD RPD	QC Limit	
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron	3090	5530	1000	127.6	1.8	20
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP10614: T41652-1A

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

4.2.2
4

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: T41652
 Account: OXYCOGJ - Oxy USA Inc.
 Project: Colibran - Pit Reclaims

QC Batch ID: MP10614
 Matrix Type: AQUEOUS

Methods: SW846 6010B
 Units: ug/l

Prep Date: 11/09/09

Metal	BSP Result	Spikelot MPTW4	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	2200	1000	109.9	80-120
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP10614: T41652-1A

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

4.2.3
4

SERIAL DILUTION RESULTS SUMMARY

Login Number: T41652
 Account: OXYCOGJ - Oxy USA Inc.
 Project: Colibran - Pit Reclaims

QC Batch ID: MP10614
 Matrix Type: AQUEOUS

Methods: SW846 6010B
 Units: ug/l

Prep Date: 11/09/09

Metal	T41327-1AA Original	SDL 1:5	%DIF	QC Limits
-------	------------------------	---------	------	--------------

Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	1550	1520	2.1	0-10
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP10614: T41652-1A

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

4.2.4
4



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

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

Grand Junction, CO 81506

Report Summary

Monday December 07, 2009

Report Number: L434452

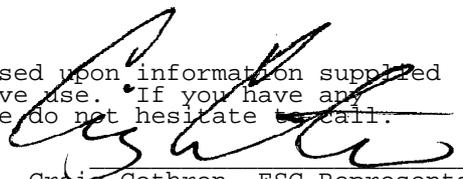
Samples Received: 12/02/09

Client Project:

Description: Pit Reclaims - Collbran

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

Entire Report Reviewed By:


Craig Cothron, ESC Representative

Laboratory Certification Numbers

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

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

This report may not be reproduced, except in full, without written approval from Environmental Science Corp.

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



YOUR LAB OF CHOICE

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

December 07, 2009

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

Date Received : December 02, 2009
Description : Pit Reclaims - Collbran
Sample ID : STITES 20-8 FILL
Collected By : Brett Kennedy
Collection Date : 11/30/09 16:30

ESC Sample # : L434452-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
pH	8.7		su	9045D	12/03/09	1
Sodium Adsorption Ratio	2.4			Calc.	12/04/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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

Reported: 12/07/09 10:26 Printed: 12/07/09 10:26
L434452-01 (PH) - 8.7@16.8c

Summary of Remarks For Samples Printed
12/07/09 at 10:26:45

TSR Signing Reports: 134
R5 - Desired TAT

Sample: L434452-01 Account: OXYGJCO Received: 12/02/09 09:00 Due Date: 12/09/09 00:00 RPT Date: 12/07/09 10:26

Company Name/Address:
OXY USA - Grand Junction, CO
 760 Horizon Dr., Ste. 101
 Grand Junction, CO 81506

Alternate billing information:

Analysis/Container/Preservative

C175
 Date of Custody
 Date of 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

Report to: Brett Kennedy

Email to: brett.kennedy@oxy.com

Project Description: Pit Reclaiming - Colliery

City/State Collected:

Phone: (970) 263-3601
 FAX:

Client Project #:

ESC Key:

Collected by: Brett Kennedy

Site/Facility ID#:

P.O.#:

Collected by (signature):
Brett Kennedy
 Immediately
 Packed on Ice N Y

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 Cntrs

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	PH	SAR
<u>Stikes 20-8 Fill</u>	<u>Comp</u>	<u>SS</u>	<u>0-6"</u>	<u>11/30/09</u>	<u>1630</u>	<u>1</u>	<u>✓</u>	<u>✓</u>

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

Remarks/Contaminant	Sample # (lab only)
	<u>2934452-01</u>

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

Relinquished by: (Signature) <u>Brett Kennedy</u>	Date: <u>12/01/09</u> 11/30/09	Time: <u>0810</u> <u>1630</u>	Received by: (Signature) <u>J. Filler</u>	Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier <input type="checkbox"/> _____	Condition: (lab use only) <u>OK</u>
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: <u>3.8°C</u>	Bottles Received: <u>1902</u>
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: <u>12-01-09</u>	Time: <u>0900</u>
				pH Checked:	NCF:



Technical Report for

Oxy USA Inc.

Colibran - Pit Reclaims

Accutest Job Number: T43419

Sampling Date: 11/30/09

Report to:

Oxy USA Inc.
760 Horizon DR, Suite 101
Grand Junction, CO 81506
Brett_Kennedy@oxy.com

ATTN: Brett Kennedy

Total number of pages in report: **21**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Paul Canevaro
Laboratory Director

Client Service contact: Marianne Walker 713-271-4700

Certifications: TX (T104704220-06-TX) AR (88-0756) FL (E87628) KS (E-10366) LA (85695/04004)
OK (9103) UT(7132714700)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.



Table of Contents

-1-

Section 1: Sample Summary	3
Section 2: Sample Results	4
2.1: T43419-1: STITES 20-8 FILL	5
2.2: T43419-1A: STITES 20-8 FILL	6
Section 3: Misc. Forms	7
3.1: Chain of Custody	8
Section 4: Metals Analysis - QC Data Summaries	11
4.1: Prep QC MP10774: B	12
4.2: Prep QC MP10776: Ba	17



Sample Summary

Oxy USA Inc.

Job No: T43419

Colibran - Pit Reclaims

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
T43419-1	11/30/09	16:30 BK	12/02/09	SO	Soil	STITES 20-8 FILL
T43419-1A	11/30/09	16:30 BK	12/02/09	SO	Soil	STITES 20-8 FILL

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: STITES 20-8 FILL	Date Sampled: 11/30/09
Lab Sample ID: T43419-1	Date Received: 12/02/09
Matrix: SO - Soil	Percent Solids: 85.8
Project: Colibrán - Pit Reclaims	

Total True Barium Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Barium	1090	11	mg/kg	1	12/04/09	12/07/09 NS	SW846 6010B ¹	LADNR 29B ²

(1) Instrument QC Batch: MA4433

(2) Prep QC Batch: MP10776

RL = Reporting Limit

Report of Analysis

Client Sample ID:	STITES 20-8 FILL	Date Sampled:	11/30/09
Lab Sample ID:	T43419-1A	Date Received:	12/02/09
Matrix:	SO - Soil	Percent Solids:	85.8
Project:	Colibran - Pit Reclaims		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Boron	0.271	0.20	mg/l	1	12/04/09	12/06/09 NS	SW846 6010B ¹	LADNR 29B ²

(1) Instrument QC Batch: MA4432

(2) Prep QC Batch: MP10774

RL = Reporting Limit



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

FED-EX Tracking #		Bottle Order Control #	
Accutest Quote #		Accutest Job # 743419	
Client / Reporting Information		Project Information	
Company Name OXY USA INC		Project Name: Pit Reclaims - Colbran	
Address 780 Horizon Dr., Ste. 101		Street	
City Grand Junction, CO		City	
State CO		State	
Zip 81506		Zip	
Project Contact: Brett Kennedy		Project #	
E-mail		E-mail	
Phone # 970-263-3601		Fax #	
Samplers Name Brett Kennedy		Client Purchase Order #	
Accutest		SUMMA #	
Sample #		Collection	
Field ID / Point of Collection Sites 20-8 Fill		MEDH Vial #	
Date 11/30/09		Time 1030	
Sampled by BK		Matrix So	
# of bottles 1		Number of preserved Bottles	
IC		P	
NCH		HNC3	
ASD4		NDNE	
NHSO3		NHSO4	
MECH		BNC4	
B260		B264	
B268		B270	
B272		B274	
B276		B278	
B280		B282	
B284		B286	
B290		B292	
B294		B296	
B300		B302	
B304		B306	
B310		B312	
B314		B316	
B320		B322	
B324		B326	
B330		B332	
B334		B336	
B340		B342	
B344		B346	
B350		B352	
B354		B356	
B360		B362	
B364		B366	
B370		B372	
B374		B376	
B380		B382	
B384		B386	
B390		B392	
B394		B396	
B400		B402	
B404		B406	
B410		B412	
B414		B416	
B420		B422	
B424		B426	
B430		B432	
B434		B436	
B440		B442	
B444		B446	
B450		B452	
B454		B456	
B460		B462	
B464		B466	
B470		B472	
B474		B476	
B480		B482	
B484		B486	
B490		B492	
B494		B496	
B500		B502	
B504		B506	
B510		B512	
B514		B516	
B520		B522	
B524		B526	
B530		B532	
B534		B536	
B540		B542	
B544		B546	
B550		B552	
B554		B556	
B560		B562	
B564		B566	
B570		B572	
B574		B576	
B580		B582	
B584		B586	
B590		B592	
B594		B596	
B600		B602	
B604		B606	
B610		B612	
B614		B616	
B620		B622	
B624		B626	
B630		B632	
B634		B636	
B640		B642	
B644		B646	
B650		B652	
B654		B656	
B660		B662	
B664		B666	
B670		B672	
B674		B676	
B680		B682	
B684		B686	
B690		B692	
B694		B696	
B700		B702	
B704		B706	
B710		B712	
B714		B716	
B720		B722	
B724		B726	
B730		B732	
B734		B736	
B740		B742	
B744		B746	
B750		B752	
B754		B756	
B760		B762	
B764		B766	
B770		B772	
B774		B776	
B780		B782	
B784		B786	
B790		B792	
B794		B796	
B800		B802	
B804		B806	
B810		B812	
B814		B816	
B820		B822	
B824		B826	
B830		B832	
B834		B836	
B840		B842	
B844		B846	
B850		B852	
B854		B856	
B860		B862	
B864		B866	
B870		B872	
B874		B876	
B880		B882	
B884		B886	
B890		B892	
B894		B896	
B900		B902	
B904		B906	
B910		B912	
B914		B916	
B920		B922	
B924		B926	
B930		B932	
B934		B936	
B940		B942	
B944		B946	
B950		B952	
B954		B956	
B960		B962	
B964		B966	
B970		B972	
B974		B976	
B980		B982	
B984		B986	
B990		B992	
B994		B996	
C000		C002	
C004		C006	
C010		C012	
C014		C016	
C020		C022	
C024		C026	
C030		C032	
C034		C036	
C040		C042	
C044		C046	
C050		C052	
C054		C056	
C060		C062	
C064		C066	
C070		C072	
C074		C076	
C080		C082	
C084		C086	
C090		C092	
C094		C096	
C100		C102	
C104		C106	
C110		C112	
C114		C116	
C120		C122	
C124		C126	
C130		C132	
C134		C136	
C140		C142	
C144		C146	
C150		C152	
C154		C156	
C160		C162	
C164		C166	
C170		C172	
C174		C176	
C180		C182	
C184		C186	
C190		C192	
C194		C196	
C200		C202	
C204		C206	
C210		C212	
C214		C216	
C220		C222	
C224		C226	
C230		C232	
C234		C236	
C240		C242	
C244		C246	
C250		C252	
C254		C256	
C260		C262	
C264		C266	
C270		C272	
C274		C276	
C280		C282	
C284		C286	
C290		C292	
C294		C296	
C300		C302	
C304		C306	
C310		C312	
C314		C316	
C320		C322	
C324		C326	
C330		C332	
C334		C336	
C340		C342	
C344		C346	
C350		C352	
C354		C356	
C360		C362	
C364		C366	
C370		C372	
C374		C376	
C380		C382	
C384		C386	
C390		C392	
C394		C396	
C400		C402	
C404		C406	
C410		C412	
C414		C416	
C420		C422	
C424		C426	
C430		C432	
C434		C436	
C440		C442	
C444		C446	
C450		C452	
C454		C456	
C460		C462	
C464		C466	
C470		C472	
C474		C476	
C480		C482	
C484		C486	
C490		C492	
C494		C496	
C500		C502	
C504		C506	
C510		C512	
C514		C516	
C520		C522	
C524		C526	
C530		C532	
C534		C536	
C540		C542	
C544		C546	
C550		C552	
C554		C556	
C560		C562	
C564		C566	
C570		C572	
C574		C576	
C580		C582	
C584		C586	
C590		C592	
C594		C596	
C600		C602	
C604		C606	
C610		C612	
C614		C616	
C620		C622	
C624		C626	
C630		C632	
C634		C636	
C640		C642	
C644		C646	
C650		C652	
C654		C656	
C660		C662	
C664		C666	
C670		C672	
C674		C676	
C680		C682	
C684		C686	
C690		C692	
C694		C696	
C700		C702	
C704		C706	
C710		C712	
C714		C716	
C720		C722	
C724		C726	
C730		C732	
C734		C736	
C740		C742	
C744		C746	
C750		C752	
C754		C756	
C760		C762	
C764		C766	
C770		C772	
C774		C776	
C780		C782	
C784		C786	
C790		C792	
C794		C796	
C800		C802	
C804		C806	
C810		C812	
C814		C816	
C820		C822	
C824		C826	
C830		C832	
C834		C836	
C840		C842	
C844		C846	
C850		C852	
C854		C856	
C860		C862	
C864		C866	
C870		C872	
C874		C876	
C880		C882	
C884		C886	
C890		C892	
C894		C896	
C900		C902	
C904		C906	
C910		C912	
C914		C916	
C920		C922	
C924		C926	
C930		C932	
C934		C936	
C940		C942	
C944		C946	
C950		C952	
C954		C956	
C960		C962	
C964		C966	
C970		C972	
C974		C9	

SAMPLE INSPECTION FORM

Accutest Job Number: T43419 Client: oxy Date/Time Received: 12/2/09 0900
of Coolers Received: 1 Thermometer #: 1R-1 Temperature Adjustment Factor: +0.4
Cooler Temps: #1: 15.6 #2: _____ #3: _____ #4: _____ #5: _____ #6: _____ #7: _____ #8: _____
Method of Delivery: ~~FEDEX~~ UPS Accutest Courier Greyhound Delivery Other
Airbill Numbers: _____

31
3

- COOLER INFORMATION**
- Custody seal missing or not intact
 - Temperature criteria not met
 - Wet ice received in cooler

- CHAIN OF CUSTODY**
- Chain of Custody not received
 - Sample D/T unclear or missing
 - Analyses unclear or missing
 - COC not properly executed

- SAMPLE INFORMATION**
- Sample containers received broken
 - VOC vials have headspace
 - Sample labels missing or illegible
 - ID on COC does not match label(s)
 - D/T on COC does not match label(s)
 - Sample/Bottles rcvd but no analysis on COC
 - Sample listed on COC, but not received
 - Bottles missing for requested analysis
 - Insufficient volume for analysis
 - Sample received improperly preserved

- TRIP BLANK INFORMATION**
- Trip Blank on COC but not received
 - Trip Blank received but not on COC
 - Trip Blank not intact
 - Received Water Trip Blank
 - Received Soil TB

Number of Encores? _____
Number of 5035 kits? _____
Number of lab-filtered metals? _____

Summary of Discrepancies:
1. No cooler

TECHNICIAN SIGNATURE/DATE: [Signature] GL 12.2.09

INFORMATION AND SAMPLE LABELING VERIFIED BY: _____

♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ **CORRECTIVE ACTIONS** ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦

Client Representative Notified: _____ Date: _____
By Accutest Representative: _____ Via: Phone Email
Client Instructions:



Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: T43419
Account: OXYCOGJ - Oxy USA Inc.
Project: Colibrán - Pit Reclaims

QC Batch ID: MP10774
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 12/04/09

Metal	RL	IDL	MDL	MB raw	final
Aluminum	400	33	34		
Antimony	10	4.5	6		
Arsenic	10	3.5	4		
Barium	400	.28	5.4		
Beryllium	10	.22	.4		
Boron	200	2.2	4.2	-12	<200
Cadmium	8.0	.5	.6		
Calcium	10000	11	70		
Chromium	20	2.2	3.8		
Cobalt	100	1	1.6		
Copper	50	1.2	12		
Iron	200	26	26		
Lead	6.0	3.2	3.4		
Magnesium	10000	13	16		
Manganese	30	.4	15		
Molybdenum	20	1.9	2.6		
Nickel	80	1.9	6.4		
Potassium	10000	110	110		
Selenium	10	6.5	6.4		
Silver	20	1.7	1.6		
Sodium	10000	260	270		
Strontium	40	.34	.8		
Thallium	20	6.5	5.2		
Tin	40	3.6	5.8		
Titanium	40	.6	.6		
Vanadium	100	1.2	1.2		
Zinc	40	.98	8.2		

Associated samples MP10774: T43419-1A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T43419
 Account: OXYCOGJ - Oxy USA Inc.
 Project: Colibrán - Pit Reclaims

QC Batch ID: MP10774
 Matrix Type: AQUEOUS

Methods: SW846 6010B
 Units: ug/l

Prep Date: 12/04/09 12/04/09

Metal	T42643-1A Original	DUP	RPD	QC Limits	T42643-1A Original MS	Spikelot MPTW4	% Rec	QC Limits
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Boron	6260	6290	0.5	0-20	6260	8950	1000	135.8N 80-120
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead								
Magnesium								
Manganese								
Molybdenum								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Strontium								
Thallium								
Tin								
Titanium								
Vanadium								
Zinc								

Associated samples MP10774: T43419-1A

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

4.1.2
 4

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T43419
 Account: OXYCOGJ - Oxy USA Inc.
 Project: Colibrán - Pit Reclaims

QC Batch ID: MP10774
 Matrix Type: AQUEOUS

Methods: SW846 6010B
 Units: ug/l

Prep Date: 12/04/09

Metal	T42643-1A Original MSD	Spikelot MPTW4	% Rec	MSD RPD	QC Limit	
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron	6260	8540	1000	110.8	4.7	20
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP10774: T43419-1A

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

4.1.2
4

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: T43419
 Account: OXYCOGJ - Oxy USA Inc.
 Project: Colibrán - Pit Reclaims

QC Batch ID: MP10774
 Matrix Type: AQUEOUS

Methods: SW846 6010B
 Units: ug/l

Prep Date: 12/04/09

Metal	BSP Result	Spikelot MPTW4	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	1910	1000	95.5	80-120
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP10774: T43419-1A

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

4.1.3
4

SERIAL DILUTION RESULTS SUMMARY

Login Number: T43419
 Account: OXYCOGJ - Oxy USA Inc.
 Project: Colibrán - Pit Reclaims

QC Batch ID: MP10774
 Matrix Type: AQUEOUS

Methods: SW846 6010B
 Units: ug/l

Prep Date: 12/04/09

Metal	T42643-1A Original	SDL 1:5	%DIF	QC Limits
-------	-----------------------	---------	------	--------------

Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	3170	3030	4.5	0-10
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP10774: T43419-1A

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

4.1.4
4

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: T43419
Account: OXYCOGJ - Oxy USA Inc.
Project: Colibrán - Pit Reclaims

QC Batch ID: MP10776
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 12/04/09

Metal	RL	IDL	MDL	MB raw	final
Aluminum	10	.82	2.2		
Antimony	0.50	.11	.14		
Arsenic	0.50	.089	.1		
Barium	10	.007	.03	2.0	<10
Beryllium	0.25	.0055	.01		
Boron	5.0	.054	.11		
Cadmium	0.25	.013	.05		
Calcium	250	.27	.86		
Chromium	0.50	.055	.035		
Cobalt	2.5	.025	.09		
Copper	1.3	.029	.065		
Iron	5.0	.65	1.1		
Lead	0.50	.079	.2		
Magnesium	250	.34	.58		
Manganese	0.75	.01	.035		
Molybdenum	0.50	.048	.075		
Nickel	2.0	.048	.065		
Potassium	250	2.7	16		
Selenium	0.50	.16	.12		
Silver	0.50	.043	.04		
Sodium	250	6.5	13		
Strontium	1.0	.0085	.025		
Thallium	0.50	.16	.25		
Tin	1.0	.09	.12		
Titanium	1.0	.015	.045		
Vanadium	2.5	.03	.06		
Zinc	1.0	.025	.2		

Associated samples MP10776: T43419-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T43419
 Account: OXYCOGJ - Oxy USA Inc.
 Project: Colibrán - Pit Reclaims

QC Batch ID: MP10776
 Matrix Type: SOLID

Methods: SW846 6010B
 Units: mg/kg

Prep Date: 12/04/09 12/04/09

Metal	T43190-1B Original DUP		RPD	QC Limits	T43190-1B Original MS		Spikelot MPTW4	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium	463	467	0.9	0-20	463	518	24.7	222.6(a)	80-120
Beryllium									
Boron									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP10776: T43419-1

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T43419
 Account: OXYCOGJ - Oxy USA Inc.
 Project: Colibrán - Pit Reclaims

QC Batch ID: MP10776
 Matrix Type: SOLID

Methods: SW846 6010B
 Units: mg/kg

Prep Date: 12/04/09

Metal	T43190-1B Original MSD		SpikeLot MPTW4 % Rec		MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium	463	449	24.2	-57.7(a)	14.3	20
Beryllium						
Boron						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP10776: T43419-1

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

4.2.2
 4

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: T43419
 Account: OXYCOGJ - Oxy USA Inc.
 Project: Colibrán - Pit Reclaims

QC Batch ID: MP10776
 Matrix Type: SOLID

Methods: SW846 6010B
 Units: mg/kg

Prep Date: 12/04/09

Metal	BSP Result	Spikelot MPTW4	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium	21.9	20	109.5	80-120
Beryllium				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP10776: T43419-1

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

4.2.3
4

SERIAL DILUTION RESULTS SUMMARY

Login Number: T43419
 Account: OXYCOGJ - Oxy USA Inc.
 Project: Colibran - Pit Reclaims

QC Batch ID: MP10776
 Matrix Type: SOLID

Methods: SW846 6010B
 Units: ug/l

Prep Date: 12/04/09

Metal	T43190-1B Original	SDL 1:5	%DIF	QC Limits
-------	-----------------------	---------	------	--------------

Aluminum				
Antimony				
Arsenic				
Barium	7670	8550	11.5*(a)	0-10
Beryllium				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP10776: T43419-1

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested
 (a) Serial dilution indicates possible matrix interference.

4.2.4
4



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

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

Report Summary

Tuesday May 11, 2010

Report Number: L458028

Samples Received: 05/08/10

Client Project:

Description: Pit Reclaims - Collbran

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

Entire Report Reviewed By:

Mark W. Beasley , ESC Representative

Laboratory Certification Numbers

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

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

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

This report may not be reproduced, except in full, without written approval from ESC Lab Sciences. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

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

May 11, 2010

Date Received : May 08, 2010
Description : Pit Reclaims - Collbran
Sample ID : STITES 20-8 POST REC 6-8 FT
Collected By : Brett Kennedy
Collection Date : 05/06/10 10:18

ESC Sample # : L458028-01

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	4.2	0.32	1.0	mg/kg		6010B	05/11/10	1
Barium	2900	0.050	0.25	mg/kg		6010B	05/11/10	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD
RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:
The reported analytical results relate only to the sample submitted.
This report shall not be reproduced, except in full, without the written approval from ESC.

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

Summary of Remarks For Samples Printed
05/11/10 at 14:27:04

TSR Signing Reports: 134
R4 - Rush: Three Day

Sample: L458028-01 Account: OXYGJCO Received: 05/08/10 09:00 Due Date: 05/12/10 00:00 RPT Date: 05/11/10 14:26

Company Name/Address: OXY USA - Grand Junction, CO 760 Horizon Dr.. Ste. 101 Grand Junction.CO 81506	Alternate billing information:	Analysis/Container/Preservative 	Chain of Custody Page <u>1</u> of <u>1</u> Prepared by: D239 ENVIRONMENTAL SCIENCE CORP. 12065 Lebanon Road Mt. Juliet, TN 37122 Phone (615) 758-5858 Phone (800) 767-5859 FAX (615) 758-5859
--	--------------------------------	-------------------------------------	---

Report to: <u>Brett Kennedy</u>	Email to: <u>brett.kennedy@oxy.com</u>
Project Description: <u>Pit Reclaims - Collibran</u>	City/State Collected: <u> </u>
Phone: <u>(970) 263-3601</u>	Client Project #: <u> </u>
FAX: <u> </u>	ESC Key: <u> </u>

Collected by: <u>Brett Kennedy</u>	Site/Facility ID#: <u> </u>	P.O.#: <u> </u>
Collected by (signature): <u>Brett Kennedy</u>	<input checked="" type="checkbox"/> Rush? (Lab MUST Be Notified)	Date Results Needed:
Immediately Packed on Ice N <u> </u> Y <input checked="" type="checkbox"/>	<u> </u> Same Day. 200%	Email? <u> </u> No <input checked="" type="checkbox"/> Yes
	<u> </u> Next Day. 100%	FAX? <input checked="" type="checkbox"/> No <u> </u> Yes
	<input checked="" type="checkbox"/> Two Day. 50%	
	<input checked="" type="checkbox"/> Three Day. 25%	

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	Remarks/Contaminant	Sample # (lab only)
<u>Stites 20-8 Post Rec</u>	<u>Comp</u>	<u>SS</u>	<u>6-8'</u>	<u>5/16/10</u>	<u>1018</u>	<u>1</u>	<u>As. Ba</u>	<u>LYS802801</u>

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

Remarks: _____

pH _____ Temp _____
Flow _____ Other _____

Relinquished by: (Signature) <u>Brett Kennedy</u>	Date: <u>5/7/10</u>	Time: <u>1600</u>	Received by: (Signature) <u>Phil Po</u>	Samples returned via: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier	Condition: (lab use only) <u>O/K</u>
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: <u>3.4'</u>	Bottles Received: <u>1 4oz</u>
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: <u>5-8-10</u>	Time: <u>0916</u>
				pH Checked:	NCF:

8681 21797676



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

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

Report Summary

Friday July 23, 2010

Report Number: L469802

Samples Received: 07/21/10

Client Project:

Description: Pit Reclaims - Collbran

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

Entire Report Reviewed By:

Mark W. Beasley , ESC Representative

Laboratory Certification Numbers

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

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

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

This report may not be reproduced, except in full, without written approval from ESC Lab Sciences. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

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

July 23, 2010

Date Received : July 21, 2010
Description : Pit Reclaims - Collbran
Sample ID : STITES 20-8 BG-N 0-6 IN
Collected By : Brett Kennedy
Collection Date : 07/20/10 12:31

ESC Sample # : L469802-01

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	2.9	0.32	1.0	mg/kg		6010B	07/22/10	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD
RDL = Reported Detection Limit = LOQ = PQL = EQL
Note:

The reported analytical results relate only to the sample submitted.
This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 07/23/10 13:54 Printed: 07/23/10 13:54



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

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

July 23, 2010

Date Received : July 21, 2010
Description : Pit Reclaims - Collbran
Sample ID : STITES 20-8 BG-E 0-6 IN
Collected By : Brett Kennedy
Collection Date : 07/20/10 12:41

ESC Sample # : L469802-02

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	4.2	0.32	1.0	mg/kg		6010B	07/22/10	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD
RDL = Reported Detection Limit = LOQ = PQL = EQL
Note:

The reported analytical results relate only to the sample submitted.
This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 07/23/10 13:54 Printed: 07/23/10 13:54



12065 Lebanon Rd.
 Mt. Juliet, TN 37122
 (615) 758-5858
 1-800-767-5859
 Fax (615) 758-5859
 Tax I.D. 62-0814289
 Est. 1970

REPORT OF ANALYSIS

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

July 23, 2010

Date Received : July 21, 2010
 Description : Pit Reclaims - Collbran
 Sample ID : STITES 20-8 BG-S 0-6 IN
 Collected By : Brett Kennedy
 Collection Date : 07/20/10 12:47

ESC Sample # : L469802-03
 Site ID :
 Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	4.4	0.32	1.0	mg/kg		6010B	07/22/10	1

U = ND (Not Detected)
 MDL = Minimum Detection Limit = LOD
 RDL = Reported Detection Limit = LOQ = PQL = EQL
 Note:

The reported analytical results relate only to the sample submitted.
 This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 07/23/10 13:54 Printed: 07/23/10 13:54



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

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

July 23, 2010

Date Received : July 21, 2010
Description : Pit Reclaims - Collbran
Sample ID : STITES 20-8 BG-W 0-6 IN
Collected By : Brett Kennedy
Collection Date : 07/20/10 12:25

ESC Sample # : L469802-04

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	3.7	0.32	1.0	mg/kg		6010B	07/22/10	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD
RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:
The reported analytical results relate only to the sample submitted.
This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 07/23/10 13:54 Printed: 07/23/10 13:54

Summary of Remarks For Samples Printed
07/23/10 at 13:54:40

TSR Signing Reports: 134
R5 - Desired TAT

Sample: L469802-01 Account: OXYGJCO Received: 07/21/10 09:00 Due Date: 07/28/10 00:00 RPT Date: 07/23/10 13:54

Sample: L469802-02 Account: OXYGJCO Received: 07/21/10 09:00 Due Date: 07/28/10 00:00 RPT Date: 07/23/10 13:54

Sample: L469802-03 Account: OXYGJCO Received: 07/21/10 09:00 Due Date: 07/28/10 00:00 RPT Date: 07/23/10 13:54

Sample: L469802-04 Account: OXYGJCO Received: 07/21/10 09:00 Due Date: 07/28/10 00:00 RPT Date: 07/23/10 13:54

Company Name/Address:
OXY USA Inc - Grand Junction, CO
 760 Horizon Dr., Ste. 101
 Grand Junction, CO 81506

Alternate billing information:

Analysis/Container/Preservative

Chain of Custody
 Page 1 of 1
 Prepared + **D032**
 **ENVIRONMENTAL SCIENCE CORP.**
 12065 Lebanon Road
 Mt. Juliet, TN 37122
 Phone (615) 758-5858
 Phone (800) 767-5859
 FAX (615) 758-5859

Report to: Brett Kennedy

Email to: brett.kennedy@oxy.com

Project Description: Pit Reclaims - Colbran

City/State Collected:

Phone: (970) 263-3601
 FAX:

Client Project #:

ESC Key:

Collected by: Brett Kennedy

Site/Facility ID#:

P.O.#:

Collected by (signature):
Brett Kennedy
 Immediately Packed on Ice N Y

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 Cntrs

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

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs				
Sticks 20-8 BG-N	grab	SS	0-6"	7/20/10	1231	1	✓			
Sticks 20-8 BG-E	↓	↓	↓	↓	1241	1	✓			
Sticks 20-8 BG-S	↓	↓	↓	↓	1247	1	✓			
Sticks 20-8 BG-W	↓	↓	↓	↓	1225	1	✓			

Remarks/Contaminant	Sample # (lab only)
	6469802-01
	02
	03
	04

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

pH _____ Temp _____
 Flow _____ Other _____

Relinquished by: (Signature)
Brett Kennedy
 Relinquished by: (Signature)
Brett Kennedy
 Relinquished by: (Signature)
Brett Kennedy

Date: 7/20/10 Time: 1635
 Date: _____ Time: _____
 Date: _____ Time: _____

Received by: (Signature) _____
 Received by: (Signature) _____
 Received for lab by: (Signature) [Signature]

Samples returned via: UPS
 FedEx Courier _____
 Temp: 28°C Bottles Received: 4-802
 Date: 7-21-10 Time: 0900

Condition: (lab use only) OK
 CoC Seals Intact ___ Y ___ N ___ NA
 pH Checked: _____ NCF: _____

634198071227