

# argon laboratories

06 November 2008

Bob Allen  
Safety & Environmental Solutions, Inc.  
703 E. Clinton Ave  
Hobbs, NM 88240

RE: Oxy Big Wall Battery Project Data

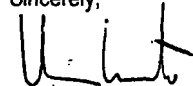
Enclosed are the results for sample(s) received on 10/29/08 15:00 by Argon Laboratories. The sample(s) were analyzed according to instructions in accompanying chain-of-custody. Results are summarized on the following pages.

Please see quality control report for a summary of QC data pertaining to this project.

The sample(s) will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Sample(s) may be archived by prior arrangement.

Thank you for the opportunity to service the needs of your company.

Sincerely,



Hiram Cueto  
Lab Manager

2126 W. Marland Ave Hobbs, NM 88240  
(505)397-0295 (505)397-0296 info@argosy.com

1169

Project No: OKY-07-015 Project Title: OKY Big West Battery Location: Carlisle, NM						Client: SESZ Address: 703 E Clinton Hobbs, NM 88240 Contact: Phone: (575) 397-0510 Fax:																			
Sampler's Name: Isaac Kincaid (print) Sampler's Signature: [Signature]						Bill To:  Client: Same Address:																			
TURN AROUND TIME RUSH <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> other <input type="checkbox"/> Standard (5 days) <input checked="" type="checkbox"/>						ANALYSIS																			
						COMMENTS																			
Sample ID.						Date		Time		# Containers		Matrix													
Sp #1 area 2						10/3/08		1110		1		Soil		BTX ✓ TPH 418.1 ✓ Cl - ✓											
Sp #2 area 2						10/3/08		1115		1		Soil		✓											
#1 surface						10/27/08		1105		1		Soil		✓											
#2 surface						10/27/08		1110		1		Soil		✓											
#3 surface						10/27/08		1115		1		Soil		✓											
#4 surface						10/27/08		1120		1		Soil		✓											
Relinquished By: [Signature]						Date: 10/29/08		Time: 1500						Received By: Ken Gellman Date: 10-29-08 Time: 1500											
Relinquished By: [Signature]						Date:		Time:						Received By: Date: Time:											
Relinquished By:						Date:		Time:						Received By: Date: Time:											

# Argon Laboratories Sample Receipt Checklist

Client Name: SESI Date & Time Received: 10/29/08 15:00  
Project Name: Oxy Big Walt Battery Client Project Number: OXY-07-015  
Received By: R.E. Matrix: Water ☐ Soil ☒ Sludge ☐  
Sample Carrier: Client ☐ Laboratory ☒ Fed Ex ☐ UPS ☐ Other ☐  
Argon Labs Project Number: C810007  
Shipper Container in good condition? N/A ☐ Yes ☒ No ☐ Samples received in proper containers? Yes ☒ No ☐  
Samples received under refrigeration? Yes ☒ No ☐ Samples received intact? Yes ☒ No ☐  
Chain of custody present? Yes ☒ No ☐ Sufficient sample volume for requested tests? Yes ☒ No ☐  
Chain of Custody signed by all parties? Yes ☒ No ☐ Samples received within holding time? Yes ☒ No ☐  
Do samples contain proper preservative? N/A ☒ Yes ☐ No ☐  
Chain of Custody matches all sample labels? Yes ☒ No ☐ Do VOA vials contain zero headspace? (None submitted ☒) Yes ☐ No ☐

ANY "No" RESPONSE MUST BE DETAILED IN THE COMMENTS SECTION BELOW

Date Client Contacted: \_\_\_\_\_ Person Contacted: \_\_\_\_\_  
Contacted By: \_\_\_\_\_ Subject: \_\_\_\_\_

Comments:

Action Taken:

ADDITIONAL TEST(S) REQUEST / OTHER

Contacted By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
Call Received By: \_\_\_\_\_

Comments:



Safety &amp; Environmental Solutions, Inc.

703 E. Clinton Ave

Hobbs, NM 88240

Project Number: Oxy-07-015

Project Name: Oxy Big Walt Battery

Project Manager: Bob Allen

Work Order No.:

C810007

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP #1 Area 2	C810007-01	Soil	10/03/08 11:10	10/29/08 15:00
SP #2 Area 2	C810007-02	Soil	10/03/08 11:15	10/29/08 15:00
#1 Surface	C810007-03	Soil	10/27/08 11:05	10/29/08 15:00
#2 Surface	C810007-04	Soil	10/27/08 11:10	10/29/08 15:00
#3 Surface	C810007-05	Soil	10/27/08 11:15	10/29/08 15:00
#4 Surface	C810007-06	Soil	10/27/08 11:20	10/29/08 15:00

Approved By  
Argon Laboratories, Inc.

QC Officer

Safety &amp; Environmental Solutions, Inc.

703 E. Clinton Ave

Hobbs, NM 88240

Project Number: Oxy-07-015

Project Name: Oxy Big Walt Battery

Project Manager: Bob Allen



Work Order No.:

C810007

## ANALYSIS REPORT

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
SP #1 Area 2 (C810007-01) Soil Sampled: 10/03/08 11:10 Received: 10/29/08 15:00							
Chloride	450	40	mg/kg	4	11/05/08	EPA 300.0	
SP #2 Area 2 (C810007-02) Soil Sampled: 10/03/08 11:15 Received: 10/29/08 15:00							
Chloride	280	20	mg/kg	2	11/05/08	EPA 300.0	
#1 Surface (C810007-03) Soil Sampled: 10/27/08 11:05 Received: 10/29/08 15:00							
Chloride	96	10	mg/kg	1	11/05/08	EPA 300.0	
#2 Surface (C810007-04) Soil Sampled: 10/27/08 11:10 Received: 10/29/08 15:00							
Chloride	350	40	mg/kg	4	11/05/08	EPA 300.0	
#3 Surface (C810007-05) Soil Sampled: 10/27/08 11:15 Received: 10/29/08 15:00							
Chloride	22	10	mg/kg	1	11/05/08	EPA 300.0	
#4 Surface (C810007-06) Soil Sampled: 10/27/08 11:20 Received: 10/29/08 15:00							
Chloride	130	20	mg/kg	2	11/05/08	EPA 300.0	

Approved By  
Argon Laboratories, Inc.

QC Officer

Safety & Environmental Solutions, Inc.

703 E. Clinton Ave

Hobbs, NM 88240

Project Number: Oxy-07-015

Project Name: Oxy Big Walt Battery

Project Manager: Bob Allen



Work Order No.:

C810007

**BTEX EPA Method 8021B**

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
<b>SP #1 Area 2 (C810007-01) Soil Sampled: 10/03/08 11:10 Received: 10/29/08 15:00</b>							<b>D-1</b>
Benzene	ND	0.10	mg/kg	20	11/05/08	8021B	
Toluene	ND	0.10	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	
Xylenes (total)	ND	0.20	"	"	"	"	
Surr. Rec.:		81 %			"	"	
<b>SP #2 Area 2 (C810007-02) Soil Sampled: 10/03/08 11:15 Received: 10/29/08 15:00</b>							
Benzene	ND	0.005	mg/kg	1	11/05/08	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	
Surr. Rec.:		95 %			"	"	
<b>#1 Surface (C810007-03) Soil Sampled: 10/27/08 11:05 Received: 10/29/08 15:00</b>							<b>D-1</b>
Benzene	ND	0.025	mg/kg	5	11/05/08	8021B	
Toluene	ND	0.025	"	"	"	"	
Ethylbenzene	ND	0.025	"	"	"	"	
Xylenes (total)	ND	0.050	"	"	"	"	
Surr. Rec.:		100 %			"	"	
<b>#2 Surface (C810007-04) Soil Sampled: 10/27/08 11:10 Received: 10/29/08 15:00</b>							<b>D-1</b>
Benzene	ND	0.10	mg/kg	20	11/05/08	8021B	
Toluene	ND	0.10	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	
Xylenes (total)	ND	0.20	"	"	"	"	
Surr. Rec.:		104 %			"	"	

Approved By  
Argon Laboratories, Inc.

QC Officer

Safety &amp; Environmental Solutions, Inc.

703 E. Clinton Ave

Hobbs, NM 88240

Project Number: Oxy-07-015

Project Name: Oxy Big Walt Battery

Project Manager: Bob Allen

Work Order No.:

C810007

**BTEX EPA Method 8021B**

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
<b>#3 Surface (C810007-05) Soil Sampled: 10/27/08 11:15 Received: 10/29/08 15:00</b>							<b>D-1</b>
Benzene	ND	0.025	mg/kg	5	11/05/08	8021B	
Toluene	ND	0.025	"	"	"	"	
Ethylbenzene	ND	0.025	"	"	"	"	
Xylenes (total)	ND	0.050	"	"	"	"	
Surr. Rec.:		119 %			"	"	
<b>#4 Surface (C810007-06) Soil Sampled: 10/27/08 11:20 Received: 10/29/08 15:00</b>							<b>D-1</b>
Benzene	ND	0.10	mg/kg	20	11/05/08	8021B	
Toluene	ND	0.10	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	
Xylenes (total)	ND	0.20	"	"	"	"	
Surr. Rec.:		109 %			"	"	

Approved By  
Argon Laboratories, Inc.

QC Officer

Safety & Environmental Solutions, Inc.

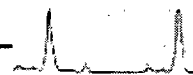
703 E. Clinton Ave

Hobbs, NM 88240

Project Number: Oxy-07-015

Project Name: Oxy Big Walt Battery

Project Manager: Bob Allen



Work Order No.:

C810007

**Total Recoverable Petroleum Hydrocarbons with Silica Gel Clean-Up by IR Spectrometry**

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
<b>SP #1 Area 2 (C810007-01) Soil Sampled: 10/03/08 11:10 Received: 10/29/08 15:00</b>							
<b>Total Petroleum Hydrocarbons</b>	<b>27000</b>	<b>400</b>	<b>mg/kg</b>	<b>20</b>	<b>11/05/08</b>	<b>EPA 418.1</b>	
<b>SP #2 Area 2 (C810007-02) Soil Sampled: 10/03/08 11:15 Received: 10/29/08 15:00</b>							
<b>Total Petroleum Hydrocarbons</b>	<b>25</b>	<b>20</b>	<b>mg/kg</b>	<b>1</b>	<b>11/05/08</b>	<b>EPA 418.1</b>	
<b>#1 Surface (C810007-03) Soil Sampled: 10/27/08 11:05 Received: 10/29/08 15:00</b>							
<b>Total Petroleum Hydrocarbons</b>	<b>970</b>	<b>80</b>	<b>mg/kg</b>	<b>4</b>	<b>11/05/08</b>	<b>EPA 418.1</b>	
<b>#2 Surface (C810007-04) Soil Sampled: 10/27/08 11:10 Received: 10/29/08 15:00</b>							
<b>Total Petroleum Hydrocarbons</b>	<b>22000</b>	<b>400</b>	<b>mg/kg</b>	<b>20</b>	<b>11/05/08</b>	<b>EPA 418.1</b>	
<b>#3 Surface (C810007-05) Soil Sampled: 10/27/08 11:15 Received: 10/29/08 15:00</b>							
<b>Total Petroleum Hydrocarbons</b>	<b>4900</b>	<b>20</b>	<b>mg/kg</b>	<b>1</b>	<b>11/05/08</b>	<b>EPA 418.1</b>	
<b>#4 Surface (C810007-06) Soil Sampled: 10/27/08 11:20 Received: 10/29/08 15:00</b>							
<b>Total Petroleum Hydrocarbons</b>	<b>31000</b>	<b>400</b>	<b>mg/kg</b>	<b>20</b>	<b>11/05/08</b>	<b>EPA 418.1</b>	

Approved By  
Argon Laboratories, Inc.

QC Officer



Safety &amp; Environmental Solutions, Inc.

703 E. Clinton Ave

Hobbs, NM 88240

Project Number: Oxy-07-015

Project Name: Oxy Big Walt Battery

Project Manager: Bob Allen



Work Order No.:

C810007

**ANALYSIS REPORT - Quality Control**
**Argon Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	RPD	Notes
---------	--------	--------------------	-------	----------------	------------------	------	-----	-------

**Batch CR00157 - General Prep**
**Blank (CR00157-BLK1)**

Prepared &amp; Analyzed: 11/05/08

Chloride ND 10 mg/kg

**LCS (CR00157-BS1)**

Prepared &amp; Analyzed: 11/05/08

Chloride 4.50 mg/kg 5.00 90

**LCS Dup (CR00157-BSD1)**

Prepared &amp; Analyzed: 11/05/08

Chloride 4.65 mg/kg 5.00 93 3

**Matrix Spike (CR00157-MS1)**

Prepared &amp; Analyzed: 11/05/08

Chloride 4.25 mg/kg 5.00 85

**Matrix Spike Dup (CR00157-MSD1)**

Prepared &amp; Analyzed: 11/05/08

Chloride 4.05 mg/kg 5.00 81 5

Approved By  
Argon Laboratories, Inc.

QC Officer

2126 W. Marland Ave., Hobbs, NM 88240 (505)397-0295 Fax (505)397-0296

Project Number: Oxy-07-015

Project Name: Oxy Big Walt Battery

**Project Manager:** Bob Allen

Work Order No.:

C810007

## BTEX EPA Method 8021B - Quality Control

## Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	RPD	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-----	-------

**Batch CR00159 - EPA 5030B**

Blank (CR00159-BLK1) Prepared & Analyzed: 11/05/08

Surrogate: <i>a,a,a</i> -Trifluorotoluene	0.0475	mg/kg	0.0500	95
Benzene	ND	0.005	"	
Toluene	ND	0.005	"	
Ethylbenzene	ND	0.005	"	
Xylenes (total)	ND	0.010	"	

## Prepared &amp; Analyzed: 11/05/08

Benzene	0.048	mg/kg	0.0500	96
---------	-------	-------	--------	----

## Prepared &amp; Analyzed: 11/05/08

Benzene	0.048	mg/kg	0.0500	96	0
---------	-------	-------	--------	----	---

## Prepared &amp; Analyzed: 11/05/08

Toluene	0.045	mg/kg	0.0500	90
---------	-------	-------	--------	----

## Prepared &amp; Analyzed: 11/05/08

Toluene	0.043	mg/kg	0.0500	86	5
---------	-------	-------	--------	----	---

Approved By  
Argon Laboratories, Inc.

QC Officer

Safety & Environmental Solutions, Inc.

703 E. Clinton Ave

Hobbs, NM 88240

Project Number: Oxy-07-015

Project Name: Oxy Big Walt Battery

Project Manager: Bob Allen



Work Order No.:

C810007

**Total Recoverable Petroleum Hydrocarbons with Silica Gel Clean-Up by IR Spectrometry - Quality Control**

**Argon Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	RPD	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-----	-------

**Batch CR00158 - EPA 3550B**

**Blank (CR00158-BLK1)**

Prepared & Analyzed: 11/05/08

Total Petroleum Hydrocarbons ND 20 mg/kg

**LCS (CR00158-BS1)**

Prepared & Analyzed: 11/05/08

Total Petroleum Hydrocarbons 117 mg/kg 100 117

**LCS Dup (CR00158-BSD1)**

Prepared & Analyzed: 11/05/08

Total Petroleum Hydrocarbons 114 mg/kg 100 114 3

**Matrix Spike (CR00158-MS1)**

Prepared & Analyzed: 11/05/08

Total Petroleum Hydrocarbons 103 mg/kg 100 103

**Matrix Spike Dup (CR00158-MSD1)**

Prepared & Analyzed: 11/05/08

Total Petroleum Hydrocarbons 107 mg/kg 100 107 4

Approved By  
Argon Laboratories, Inc.

QC Officer



2126 W. Marland Ave., Hobbs, NM 88240 (505)397-0295 Fax (505)397-0296

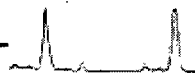
Safety & Environmental Solutions, Inc.

703 E. Clinton Ave  
Hobbs, NM 88240

Project Number: Oxy-07-015

Project Name: Oxy Big Walt Battery

Project Manager: Bob Allen



Work Order No.:

C810007

### Notes and Definitions

D-1 Sample diluted due to high concentration of target analytes and/or high organic content.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

---

Approved By  
Argon Laboratories, Inc.

---

QC Officer