

argon laboratories

Safety & Environmental Solutions, Inc.

703 E. Clinton Ave
Hobbs, NM 88240

Project Number: OXY-08-003

Project Name: Shell by Fed #3 Spill
Project Manager: Bob Allen

Work Order No.:
C806011

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
#1 Surface	C806011-01	Soil	06/18/08 10:00	06/18/08 15:30
#2 Surface	C806011-02	Soil	06/18/08 10:10	06/18/08 15:30
#3 Surface	C806011-03	Soil	06/18/08 10:20	06/18/08 15:30
#4 Surface	C806011-04	Soil	06/18/08 10:30	06/18/08 15:30

QC Officer Approval

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ANALYSIS REPORT

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
#1 Surface (C806011-01) Soil Sampled: 06/18/08 10:00 Received: 06/18/08 15:30							
Chloride	180	20	mg/kg	2	06/26/08	EPA 300.0	
#2 Surface (C806011-02) Soil Sampled: 06/18/08 10:10 Received: 06/18/08 15:30							
Chloride	560	50	mg/kg	5	06/26/08	EPA 300.0	
#3 Surface (C806011-03) Soil Sampled: 06/18/08 10:20 Received: 06/18/08 15:30							
Chloride	64	10	mg/kg	1	06/26/08	EPA 300.0	
#4 Surface (C806011-04) Soil Sampled: 06/18/08 10:30 Received: 06/18/08 15:30							
Chloride	10	10	mg/kg	1	06/26/08	EPA 300.0	


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BTEX EPA Method 8021B

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
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#1 Surface (C806011-01) Soil Sampled: 06/18/08 10:00 Received: 06/18/08 15:30

Benzene	ND	0.050	mg/kg	10	06/25/08	8021B	
Toluene	0.52	0.050	"	"	"	"	
Ethylbenzene	0.44	0.050	"	"	"	"	
Xylenes (total)	5.8	0.10	"	"	"	"	

Surr. Rec.: 101 %

#2 Surface (C806011-02) Soil Sampled: 06/18/08 10:10 Received: 06/18/08 15:30

Benzene	ND	0.050	mg/kg	10	06/25/08	8021B	
Toluene	0.81	0.050	"	"	"	"	
Ethylbenzene	0.74	0.050	"	"	"	"	
Xylenes (total)	9.3	0.10	"	"	"	"	

Surr. Rec.: 100 %

#3 Surface (C806011-03) Soil Sampled: 06/18/08 10:20 Received: 06/18/08 15:30

Benzene	ND	0.050	mg/kg	10	06/25/08	8021B	
Toluene	1.1	0.050	"	"	"	"	
Ethylbenzene	0.59	0.050	"	"	"	"	
Xylenes (total)	12	0.10	"	"	"	"	

Surr. Rec.: 106 %

#4 Surface (C806011-04) Soil Sampled: 06/18/08 10:30 Received: 06/18/08 15:30

Benzene	ND	0.050	mg/kg	10	06/25/08	8021B	
Toluene	0.53	0.050	"	"	"	"	
Ethylbenzene	0.15	0.050	"	"	"	"	
Xylenes (total)	7.4	0.10	"	"	"	"	

Surr. Rec.: 94 %

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Hobbs, NM 88240

Project Manager: Bob Allen

C806011

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

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
#1 Surface (C806011-01) Soil	Sampled: 06/18/08 10:00 Received: 06/18/08 15:30						
Total Petroleum Hydrocarbons	100000	2000	mg/kg	100	06/26/08	EPA 418.1	
#2 Surface (C806011-02) Soil	Sampled: 06/18/08 10:10 Received: 06/18/08 15:30						
Total Petroleum Hydrocarbons	59000	1000	mg/kg	50	06/26/08	EPA 418.1	
#3 Surface (C806011-03) Soil	Sampled: 06/18/08 10:20 Received: 06/18/08 15:30						
Total Petroleum Hydrocarbons	90000	2000	mg/kg	100	06/26/08	EPA 418.1	
#4 Surface (C806011-04) Soil	Sampled: 06/18/08 10:30 Received: 06/18/08 15:30						
Total Petroleum Hydrocarbons	110000	2000	mg/kg	100	06/26/08	EPA 418.1	


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Project Number: OXY-08-003
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ANALYSIS REPORT - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	RPD	Notes
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Batch CR00096 - General Prep

Blank (CR00096-BLK1)

Prepared & Analyzed: 06/26/08

Chloride	ND	10	mg/kg					
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LCS (CR00096-BS1)

Prepared & Analyzed: 06/26/08

Chloride	5.00		mg/kg	5.00		100		
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LCS Dup (CR00096-BS1)

Prepared & Analyzed: 06/26/08

Chloride	5.55		mg/kg	5.00		111	10	
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Matrix Spike (CR00096-MS1)


Prepared & Analyzed: 06/26/08

Chloride	4.85		mg/kg	5.00		97		
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Matrix Spike Dup (CR00096-MSD1)

Prepared & Analyzed: 06/26/08

Chloride	4.95		mg/kg	5.00		99	2	
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BTEX EPA Method 8021B - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	RPD	Notes
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Batch CR00097 - EPA 5030B

Blank (CR00097-BLK1)

Prepared & Analyzed: 06/25/08

Surrogate: a,a,a-Trifluorotoluene	0.0430		mg/kg	0.0500		86		
Benzene	ND	0.005	"					
Toluene	ND	0.005	"					
Ethylbenzene	ND	0.005	"					
Xylenes (total)	ND	0.010	"					

LCS (CR00097-BS1)

Prepared & Analyzed: 06/25/08

Toluene	0.043		mg/kg	0.0500		86		
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LCS Dup (CR00097-BSD1)

Prepared & Analyzed: 06/25/08

Toluene	0.041		mg/kg	0.0500		82	5	
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Matrix Spike (CR00097-MS1)

Prepared & Analyzed: 06/25/08

Benzene	0.051		mg/kg	0.0500		102		
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Matrix Spike Dup (CR00097-MSD1)

Prepared & Analyzed: 06/25/08

Benzene	0.043		mg/kg	0.0500		86	17	
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Total Recoverable Petroleum Hydrocarbons with Silica Gel Clean-Up by IR Spectrometry - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	RPD	Notes
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Batch CR00098 - EPA 3550B

Blank (CR00098-BLK1)

Prepared & Analyzed: 06/26/08

Total Petroleum Hydrocarbons ND 20 mg/kg

LCS (CR00098-BS1)

Prepared & Analyzed: 06/26/08

Total Petroleum Hydrocarbons 107 mg/kg 100 107

LCS Dup (CR00098-BS1)

Prepared & Analyzed: 06/26/08

Total Petroleum Hydrocarbons 110 mg/kg 100 110 3

Matrix Spike (CR00098-MS1)

Prepared & Analyzed: 06/26/08

Total Petroleum Hydrocarbons 91.0 mg/kg 100 91

Matrix Spike Dup (CR00098-MSD1)

Prepared & Analyzed: 06/26/08

Total Petroleum Hydrocarbons 94.0 mg/kg 100 94 3

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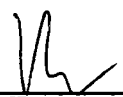
Safety & Environmental Solutions, Inc.
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Notes and Definitions

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



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06 November 2008

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

RE: OXY Shelby Battery Project Data

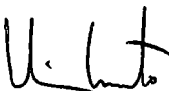
Enclosed are the results for sample(s) received on 10/29/08 15:00 by Argon Laboratories. The sample(s) were analyzed according to instructions in accompanying chain-of-custody. Results are summarized on the following pages.

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

Argon Labs

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

CHAIN OF CUSTODY

1168

Project No: OKY-08003 Project Title: OKY Shelby Battery IC Location: Carlsbad, NM 88222		Client: SE-57 Address: 703 E Clinton Contact: Hobbs, NM 88240 Phone: Fax: (575)397-0510		Client: Address: Same Bill To:	
Sampler's Name: (print)		Sampler's Signature:			
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	10/31/08	1200	1	Soil	✓
SP#1 Area 2	10/31/08	1205	1	Soil	✓
#1 Surface	10/27/08	1015	1	Soil	✓
#2 Surface	10/27/08	1020	1	Soil	✓
#3 Surface	10/27/08	1025	1	Soil	✓
#4 Surface	10/27/08	1030	1	Soil	✓
#5 Surface	10/27/08	1035	1	Soil	✓
Relinquished By: 					Received By: 
Relinquished By:					Received By:
Relinquished By:					Received By:
Special Instructions:					

Argon Laboratories Sample Receipt Checklist

Client Name: SESI Date & Time Received: 10/29/08 15:00

Project Name: Oxy Shelby Battery Client Project Number: OXY-08-003

Received By: RE Matrix: Water ☐ Soil ☒

Sample Carrier: Client ☐ Laboratory ☒ Fed Ex ☐ UPS ☐ Other ☐

Argon Labs Project Number: C810008

Shipper Container in good condition? Yes ☒ No ☐ Samples received in proper containers? Yes ☒ No ☐

N/A ☐ Yes ☒ No ☐ Samples received intact? Yes ☒ No ☐

Samples received under refrigeration? Yes ☒ No ☐ Sufficient sample volume for requested tests? Yes ☒ No ☐

Chain of custody present? Yes ☒ No ☐ Samples received within holding time? Yes ☒ No ☐

Chain of Custody signed by all parties? 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: _____
