

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised October 14, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company XTO Energy	Contact Gene Hudson	
Address PO Box 700, Eunice, NM 88231	Telephone No. 575-441-1634	
Facility Name EMSU B #872	Facility Type Injection line	
Surface Owner Jimmy Cooper	Mineral Owner BLM	Lease No.

LOCATION OF RELEASE

Unit Letter G	Section 14	Township 20S	Range 36E	Feet from the	North/South Line	Feet from the	East/West Line	County
------------------	---------------	-----------------	--------------	---------------	------------------	---------------	----------------	--------

Latitude 32.57507 Longitude 103.32193

NATURE OF RELEASE

Type of Release Produce Water	Volume of Release 550	Volume Recovered 450
Source of Release Steel Valve	Date and Hour of Occurrence	Date and Hour of Discovery 12/11/08 12:30 pm
Was Immediate Notice Given? X Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Buddy Hill/NMOCD Tricia Bad Bear/ BLM	
By Whom? Gene Hudson	Date and Hour 12/12/08 12:00 pm	
Was a Watercourse Reached? <input type="checkbox"/> Yes X No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.*		

Describe Cause of Problem and Remedial Action Taken.\*

The leak was caused by internal corrosion on steel valve/valve was repaired. An area measuring 322' X 131' was affected. Vacuum trucks were called to remove standing fluid and SESI was called for assessment.

Describe Area Affected and Cleanup Action Taken.\*

The 5,520 yards of highly contaminated soils were excavated and hauled to an approved NMOCD site for disposal. The area was then lined with 40-mil impervious liner. The area was then backfilled with 5,520 yards of clean soil from an offsite facility and returned to its natural grade. The site has been reseeded for growth.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

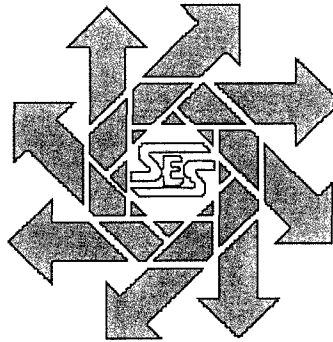
Signature: <i>Gene Hudson</i>	OIL CONSERVATION DIVISION	
Printed Name: Gene Hudson	Approved by <i>Lee G. Leary</i> District Supervisor	
Title: Maintenance Foreman	Approval Date: 02/01/2011	Expiration Date: —
E-mail Address: Richard_hudson@xtoenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 6/30/09 Phone: 575-441-1634		IRP-2028

Attach Additional Sheets: If Necessary

**XTO Energy, Inc.**  
**EMSU-B #872**  
**Unit G, Section 14, Township 20S, Range 36E**  
**Lea County, New Mexico**

**Closure Report**

**July 16, 2009**



**Prepared for:**

***XTO Energy, Inc.***  
**200 North Loraine, Suite 800**  
**Midland, Texas 79701**

**By:**

***Safety & Environmental Solutions, Inc.***  
**703 E. Clinton**  
**Hobbs, New Mexico 88240**  
**(575) 397-0510**

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## I. Company Contacts

Representative	Company	Telephone	E-mail
Gene Hudson	XTO Energy	575-441-1634	<a href="mailto:richard_hudson@xtoenergy.com">richard_hudson@xtoenergy.com</a>
Bob Allen	SESI	575-390-7063	<a href="mailto:ballen@sesi-nm.com">ballen@sesi-nm.com</a>

## II. Background

Safety and Environmental Solutions, Inc. (SESI) was engaged by XTO Energy, Inc. to perform remediation services at the EMSU-B #872 spill site. This leak was caused by a corroded valve. There were 550 barrels of produced fluids released and 480 barrels were recovered.

## III. Surface and Ground Water

The closest groundwater of record with the Office of the State Engineer is located in the same Section, Range, and Township. The depth of water in this well was 53' in 1959. According to the land owner, Mr. Jimmy Cooper, the depth of groundwater in his well is 30'.

## IV. Work Performed

On December 17, 2008 SESI was onsite to delineate the spill area. Two boreholes were installed to a depth of 20'. Grab samples were retrieved in five foot intervals from each borehole. The samples were properly preserved and transported under Chain-of-Custody to Argon Laboratories of Hobbs, New Mexico for analysis. The samples were analyzed for Chlorides (EPA method 300.0), Benzene, Toluene, Ethyl benzene, and Xylenes (BTEX) (EPA method 8021B), and Total Petroleum Hydrocarbons (TPH) (EPA method 8015M).

The results of the analysis are as follows:

Sample Point	Chlorides (mg/Kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Total Xylenes (mg/kg)
<b>Analysis Date:</b>	<b>12/24/08</b>	<b>12/23/08</b>	<b>12/23/08</b>	<b>12/23/08</b>	<b>12/23/08</b>
BH #1 5'	1200	<0.005	<0.005	<0.005	<0.010
BH #1 10'	1100	<0.005	<0.005	<0.005	<0.010
BH #1 15'	1400	<0.005	<0.005	<0.005	<0.010
BH #1 20'	1300	<0.005	<0.005	<0.005	<0.010
BH #2 5'	900	<0.005	<0.005	<0.005	<0.010
BH #2 10'	1500	<0.005	<0.005	<0.005	<0.010
BH #2 15'	1200	<0.005	<0.005	<0.005	<0.010
BH #2 20'	1800	<0.005	<0.005	<0.005	<0.010

Sample Point	TPH (mg/Kg)	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/kg)	DRO(>C <sub>10</sub> -C <sub>28</sub> ) (mg/kg)
<b>Analysis Date:</b>	<b>12/23/08</b>	<b>12/23/08</b>	<b>12/23/08</b>
BH #1 5'	<10.0	<10.0	<10.0
BH #1 10'	<10.0	<10.0	<10.0
BH #1 15'	<10.0	<10.0	<10.0

Sample Point	TPH (mg/Kg)	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/kg)	DRO(>C <sub>10</sub> -C <sub>28</sub> ) (mg/kg)
<b>Analysis Date:</b>	<b>12/23/08</b>	<b>12/23/08</b>	<b>12/23/08</b>
BH #1 20'	<10.0	<10.0	<10.0
BH #2 5'	<10.0	<10.0	<10.0
BH #2 10'	<10.0	<10.0	<10.0
BH #2 15'	<10.0	<10.0	<10.0
BH #2 20'	<10.0	<10.0	<10.0

On February 24, 2009 SESI was onsite to install two additional boreholes for further delineation. Both boreholes were drilled to a depth of 30'. Grab samples were retrieved in five foot intervals from each borehole. The samples were properly preserved and transported under Chain-of-Custody to Argon Laboratories of Hobbs, New Mexico for analysis. All samples were analyzed for Chlorides (EPA method 300.0) and the 5' and 30' samples were analyzed for, BTEX (EPA method 8021B) and TPH (EPA method 418.1).

The results of the analysis are as follows:

Sample Point	Chlorides (mg/kg)	TPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Total Xylenes (mg/kg)
<b>Analysis Date:</b>	<b>2/27/09</b>	<b>2/27/09</b>	<b>2/27/09</b>	<b>2/27/09</b>	<b>2/27/09</b>	<b>2/27/09</b>
BH #3 Surface	770					
BH #3 5'	880	<20.0	<0.005	<0.005	<0.005	<0.010
BH #3 10'	1,200					
BH #3 15'	780					
BH #3 20'	1,100					
BH #3 25'	1,100					
BH #3 30'	1,400	<20.0	<0.005	<0.005	<0.005	<0.010
BH #4 Surface	1,200					
BH #4 5'	1,300	<20.0	<0.005	<0.005	<0.005	<0.010
BH #4 10'	1,100					
BH #4 15'	830					
BH #4 20'	1,100					
BH #4 25'	800					
BH #4 30'	1,300	<20.0	<0.005	<0.005	<0.005	<0.010

It was noted in the Delineation Report, dated April 17, 2009, a search of the NMOCD Database and the USGS groundwater database revealed historical chloride contamination in the groundwater within a close proximity to this release site. The results of the borehole installation were consistent to conclude that much of the contamination encountered was not a result of this release.

On May 21, 2009, SESI is onsite to start excavation from release area. C.W Backhoe service was onsite to perform excavation services approximately 5,142 yards of contaminated soil were hauled to an approved NMOCD disposal facility. Once the site was excavated samples were retrieved from bottom floor and side walls. Samples were transported to Cardinal Laboratories in Hobbs, NM to be analyzed for Chlorides (EPA Method 4500), Benzene, Toluene, Ethyl benzene, and Xylenes (BTEX) (EPA method

8021B), and Total Petroleum Hydrocarbons (TPH) (EPA method 8015M). The results of the analysis are as follows:

Sample ID	Chlorides (mg/Kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Total Xylenes (mg/kg)
Analysis Date:	6/10/09	6/09/10	6/09/10	6/09/10	6/09/10
BF-1	352	<0.050	<0.050	<0.050	<0.300
BF-2	288	<0.050	<0.050	<0.050	<0.300
BF-3	240	<0.050	<0.050	<0.050	<0.300
BF-4	800	<0.050	<0.050	<0.050	<0.300
BF-5	752	<0.050	<0.050	<0.050	<0.300
BF-6	1,100	<0.050	<0.050	<0.050	<0.300
BF-7	128	<0.050	<0.050	<0.050	<0.300
BF-8	144	<0.050	<0.050	<0.050	<0.300
NW-1	48	<0.050	<0.050	<0.050	<0.300
NW-2	<16	<0.050	<0.050	<0.050	<0.300
NW-3	80	<0.050	<0.050	<0.050	<0.300
NW-4	<16	<0.050	<0.050	<0.050	<0.300
EW	144	<0.050	<0.050	<0.050	<0.300
SW-1	16	<0.050	<0.050	<0.050	<0.300
SW-2	<16	<0.050	<0.050	<0.050	<0.300
SW-3	96	<0.050	<0.050	<0.050	<0.300
SW-4	16	<0.050	<0.050	<0.050	<0.300
SW-5	<16	<0.050	<0.050	<0.050	<0.300
SW-6	<16	<0.050	<0.050	<0.050	<0.300

Sample Point	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/kg)	DRO(>C <sub>10</sub> -C <sub>28</sub> ) (mg/kg)
Analysis Date:	6/10/09	6/10/09
BF-1	<10.0	<10.0
BF-2	<10.0	<10.0
BF-3	<10.0	16.4
BF-4	<10.0	11.0
BF-5	<10.0	<10.0
BF-6	<10.0	38.7
BF-7	<10.0	40.3
BF-8	<10.0	<10.0
NW-1	<10.0	<10.0
NW-2	<10.0	<10.0
NW-3	<10.0	<10.0
NW-4	<10.0	<10.0
EW	<10.0	<10.0
SW-1	<10.0	<10.0
SW-2	<10.0	<10.0
SW-3	<10.0	<10.0
SW-4	<10.0	<10.0
SW-5	<10.0	<10.0
SW-6	<10.0	<10.0

The 5,520 yards of highly contaminated soils were excavated and hauled to an approved New Mexico Oil Conservation Division (NMOCD) facility for disposal. The area was lined with 40-mil impervious liner and backfilled with 5,520 yards of clean soil from an offsite facility and returned to its natural grade. The site has been reseeded for growth.

**V. Conclusion**

Remedial actions at this site have all been performed with the approval of, and in accordance with all New Mexico Oil Conservation Division (NMOCD) requirements.

As a result, we respectfully submit this closure report for your consideration and approval.

**VI. Figures & Appendices**

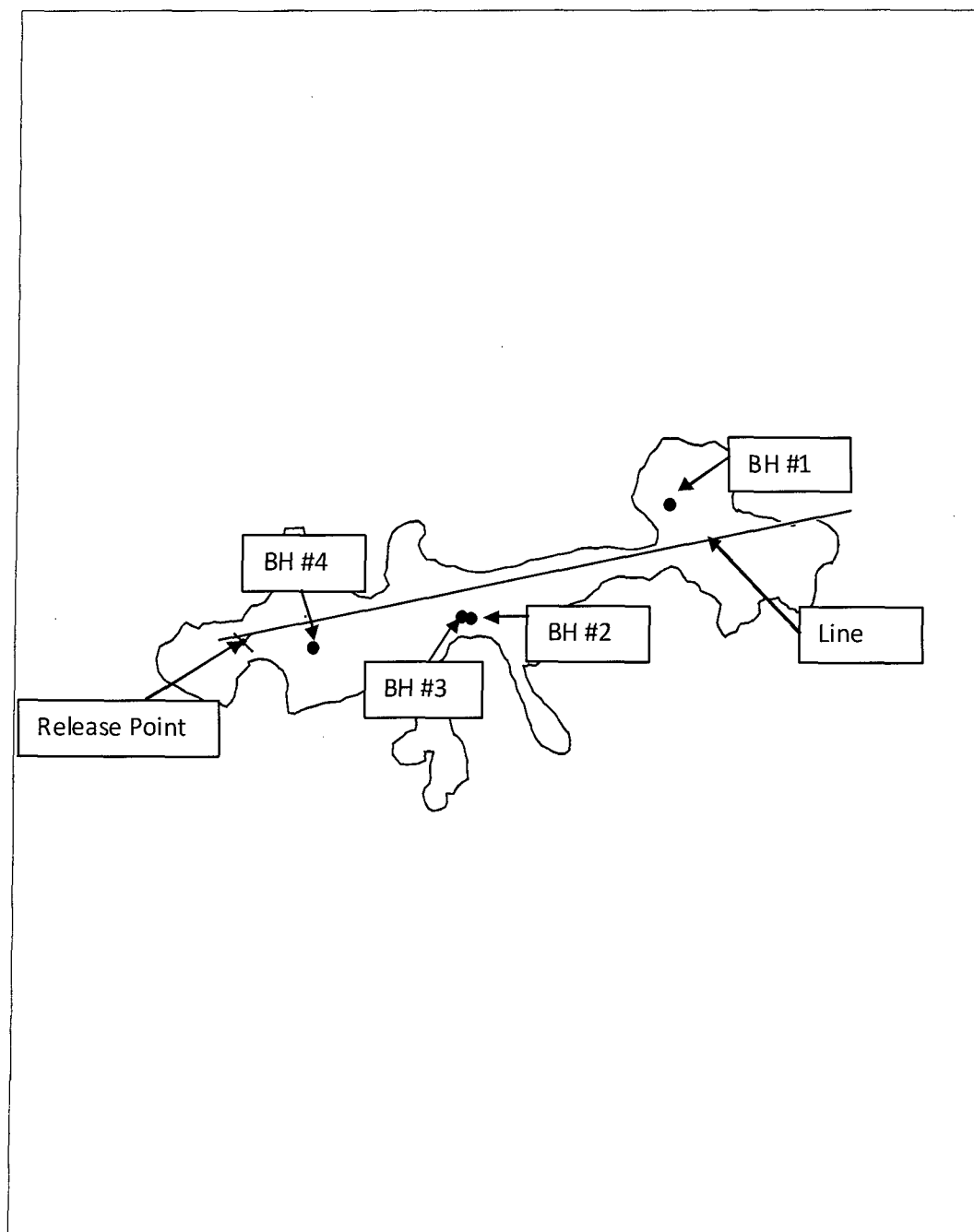
Figure 1 – Vicinity Map  
Figure 2 – Site Plan  
Appendix A - Site Photos  
Appendix B - Analytical Results  
Appendix C – C-141

**Figure 1**  
**Vicinity Map**





**Figure 2**  
**Site Plan**



XTO EMSU B #872

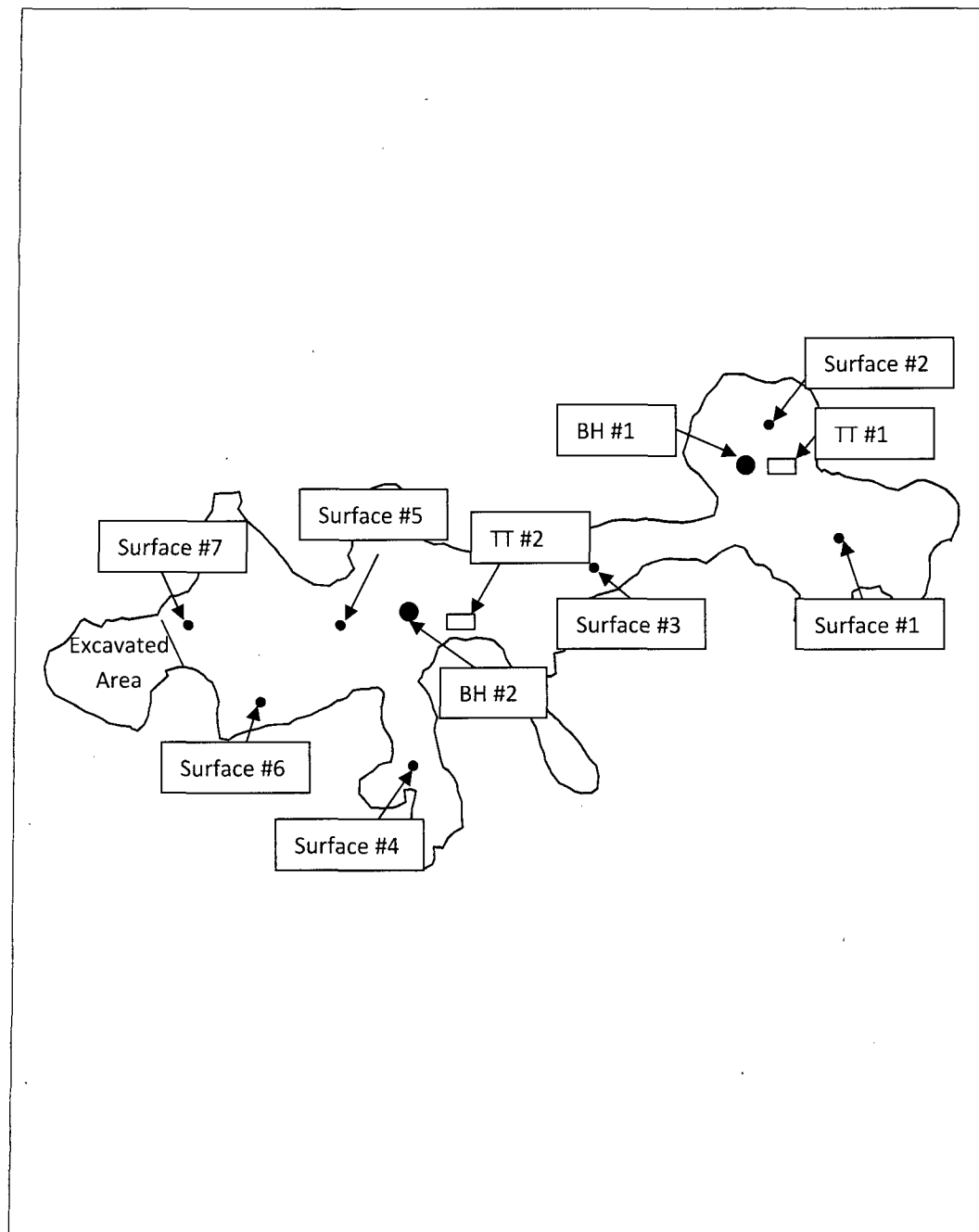
Lat/Long  
WGS 1984



Scale 1:1,000  
0 125.0  
Feet

combined.ssf  
3/19/2009

GPS Pathfinder® Office  
 Trimble™



## EMSU-B #876

Lat/Long  
WGS 1984



Scale 1:750  
0 80.00  
Feet

Site Plan.ssf  
1/23/2009

GPS Pathfinder® Office





## **Appendix A**

### **Analytical Results**

# argon laboratories

29 December 2008

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

RE: XTO EMSU-B #876 Project Data

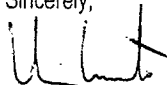
Enclosed are the results for sample(s) received on 12/17/08 15:35 by Argon Laboratories. The sample(s) were analyzed according to instructions in accompanying chain-of-custody. Results are summarized on the following pages.

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


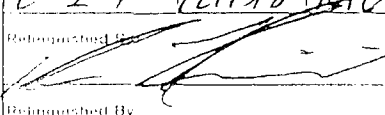
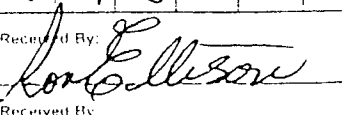
2125 W. Marland Ave. Hobbs, NM 88240

(505)397-0295 (505)397-0296 info@argonlabs.com

## CHAIN OF CUSTODY

1190

C8/2005

Project No: <b>X70-08-008</b> Project Title: <b>X70 EMSU-B #876</b> Location: <b>Monument, NM</b>					Client: <b>SESE</b> Address: <b>705 E Clinton</b> <b>Hobbs, NM 88240</b> Contact: <b>(505)397-0510</b> Phone: <b>(505)397-0510</b> Fax: <b></b>												
Sampler's Name: <b>Isaac Kincaid</b> (print)					Bill To:												
Sampler's Signature: 					Client: <b>Same</b> 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 TPH 80.15 BTEX CI-												
					COMMENTS												
Sample ID	Date	Time	# Containers	Matrix													
Surface #1	12/13/8	0815	1	Soil	✓	✓	✓										-01
Surface #2	12/13/8	0830															-02
Surface #3	12/13/8	0840															-03
Surface #4	12/13/8	0855															-04
Surface #5	12/13/8	0910															-05
#6 2'	12/13/8	0920															-06
Surface #7	12/13/8	0930															-07
TT #1 2'	12/15/8	0820															-08
TT #1 7'	12/15/8	0830															-09
TT #2 5'	12/15/8	0900															-10
E #1 9'	12/15/8	0955															-11
E #2 9'	12/15/8	1010															-12
Relinquished By: 			Date: 12/17/8	Time: 1535	Received By: 			Date: 12-17-08	Time: 1535	SPECIAL INSTRUCTIONS							
Relinquished By:			Date:	Time:	Received By:			Date:	Time:								
Relinquished By:			Date:	Time:	Received By:			Date:	Time:								

ANM C12-2777



# Argon Labs

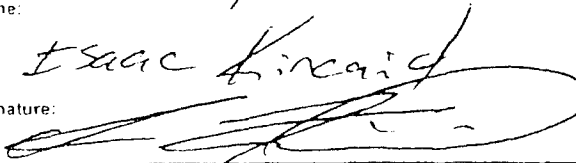
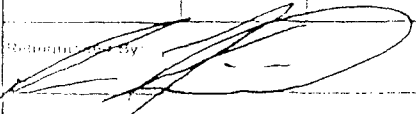
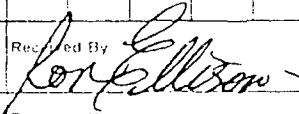
2125 W. Marland Ave Hobbs NM 88240

(505) 397-0295 (505) 397-0296 info@argonlabs.com

## CHAIN OF CUSTODY

0812005

1189

Project No: <b>XTO-08-008</b> Project Title: <b>XTO EMSU-B #876</b> Location: <b>Monument, NM</b>					Client: <b>SEST</b> Address: <b>703 E Clinton</b> Contact: <b>Hobbs, NM</b> Phone: <b>(575) 397-0510</b> Fax:														
Sampler's Name: <b>Isaac Kincaid</b> (print)					Bill To:														
Sampler's Signature: 					Client: <b>Same</b> 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 TPH 50.15 BTEX Cl-														
															COMMENTS				
Sample ID	Date	Time	# Containers	Matrix															
E Northwell	12/15/8	1015	1	Soil	✓	✓	✓										-13		
E Southwell	12/15/8	1025															-14		
BH #1 5'	12/17/8	0835															-15		
BH #1 10'	12/17/8	0845															-16		
BH #1 15'	12/17/8	0910															-17		
BH #1 20'	12/17/8	0945															-18		
BH #2 5'	12/17/8	1050															-19		
BH #2 10'	12/17/8	1110															-20		
BH #2 15'	12/17/8	1125															-21		
BH #2 20'	12/17/8	1145															-22		
Released By: 					Date: <b>12/17/8</b> Time: <b>1535</b>					Received By: 					Date: <b>12-17-08</b> Time: <b>1535</b>				
Released By:					Date: Time:					Received By:					Date: Time:				
Released By:					Date: Time:					Received By:					Date: Time:				
															SPECIAL INSTRUCTIONS				

ANM C12-2777

# Argon Laboratories Sample Receipt Checklist

Client Name:	SESI		Date & Time Received:	12/17/08 15:35		
Project Name:	XTO EMSU-B # 876		Client Project Number:	XTO-08-008		
Received By:	RE	Matrix:	Water	<input type="checkbox"/>	Soil <input checked="" type="checkbox"/>	Sludge <input type="checkbox"/>
Sample Carrier:	Client <input type="checkbox"/>	Laboratory <input checked="" type="checkbox"/>	Fed Ex <input type="checkbox"/>	UPS <input type="checkbox"/>	Other <input type="checkbox"/>	
Argon Labs Project Number:	C812005					
Shipper Container in good condition?	N/A		Samples received in proper containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Samples received intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples received under refrigeration?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Sufficient sample volume for requested tests?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of Custody signed by all parties?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Do samples contain proper preservative?			
			N/A <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
Chain of Custody matches all sample labels?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Do VOA vials contain zero headspace?			
			(None submitted <input checked="" type="checkbox"/> )	Yes <input type="checkbox"/>	No <input type="checkbox"/>	

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:



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: XTO-08-008  
Project Name: XTO EMSU-B #876  
Project Manager: Bob Allen

Work Order No.:  
C812005

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Surface #1	C812005-01	Soil	12/13/08 08:15	12/17/08 15:35
Surface #2	C812005-02	Soil	12/13/08 08:30	12/17/08 15:35
Surface #3	C812005-03	Soil	12/13/08 08:40	12/17/08 15:35
Surface #4	C812005-04	Soil	12/13/08 08:55	12/17/08 15:35
Surface #5	C812005-05	Soil	12/13/08 09:10	12/17/08 15:35
#6 2'	C812005-06	Soil	12/13/08 09:20	12/17/08 15:35
Surface #7	C812005-07	Soil	12/13/08 09:30	12/17/08 15:35
TT #1 2'	C812005-08	Soil	12/15/08 08:20	12/17/08 15:35
TT #1 7'	C812005-09	Soil	12/15/08 08:30	12/17/08 15:35
TT #2 5'	C812005-10	Soil	12/15/08 09:00	12/17/08 15:35
E #1 9'	C812005-11	Soil	12/15/08 09:55	12/17/08 15:35
E #2 9'	C812005-12	Soil	12/15/08 10:10	12/17/08 15:35
E Northwall	C812005-13	Soil	12/15/08 10:15	12/17/08 15:35
E Southwall	C812005-14	Soil	12/15/08 10:25	12/17/08 15:35
BH #1 5'	C812005-15	Soil	12/17/08 08:35	12/17/08 15:35
BH #1 10'	C812005-16	Soil	12/17/08 08:45	12/17/08 15:35
BH #1 15'	C812005-17	Soil	12/17/08 09:10	12/17/08 15:35
BH #1 20'	C812005-18	Soil	12/17/08 09:45	12/17/08 15:35
BH #2 5'	C812005-19	Soil	12/17/08 10:50	12/17/08 15:35
BH #2 10'	C812005-20	Soil	12/17/08 11:10	12/17/08 15:35
BH #1 15'	C812005-21	Soil	12/17/08 11:25	12/17/08 15:35
BH #2 20'	C812005-22	Soil	12/17/08 11:45	12/17/08 15:35

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: XTO-08-008  
Project Name: XTO EMSU-B #876  
Project Manager: Bob Allen

Work Order No.:  
C812005

### ANALYSIS REPORT

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
Surface #1 (C812005-01) Soil Sampled: 12/13/08 08:15 Received: 12/17/08 15:35							
Chloride	700	10	mg/kg	1	12/24/08	EPA 300.0	
Surface #2 (C812005-02) Soil Sampled: 12/13/08 08:30 Received: 12/17/08 15:35							
Chloride	1100	10	mg/kg	1	12/24/08	EPA 300.0	
Surface #3 (C812005-03) Soil Sampled: 12/13/08 08:40 Received: 12/17/08 15:35							
Chloride	580	10	mg/kg	1	12/24/08	EPA 300.0	
Surface #4 (C812005-04) Soil Sampled: 12/13/08 08:55 Received: 12/17/08 15:35							
Chloride	1100	10	mg/kg	1	12/24/08	EPA 300.0	
Surface #5 (C812005-05) Soil Sampled: 12/13/08 09:10 Received: 12/17/08 15:35							
Chloride	710	10	mg/kg	1	12/24/08	EPA 300.0	
#6 2' (C812005-06) Soil Sampled: 12/13/08 09:20 Received: 12/17/08 15:35							
Chloride	2000	10	mg/kg	1	12/24/08	EPA 300.0	
Surface #7 (C812005-07) Soil Sampled: 12/13/08 09:30 Received: 12/17/08 15:35							
Chloride	550	10	mg/kg	1	12/24/08	EPA 300.0	
TT #1 2' (C812005-08) Soil Sampled: 12/15/08 08:20 Received: 12/17/08 15:35							
Chloride	1400	10	mg/kg	1	12/24/08	EPA 300.0	
TT #1 7' (C812005-09) Soil Sampled: 12/15/08 08:30 Received: 12/17/08 15:35							
Chloride	1400	10	mg/kg	1	12/24/08	EPA 300.0	

Approved By  
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Project Number: XTO-08-008  
Project Name: XTO EMSU-B #876  
Project Manager: Bob Allen

Work Order No.:  
C812005

### ANALYSIS REPORT

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
TT #2 5' (C812005-10) Soil Sampled: 12/15/08 09:00 Received: 12/17/08 15:35							
Chloride	1100	10	mg/kg	1	12/24/08	EPA 300.0	
E #1 9' (C812005-11) Soil Sampled: 12/15/08 09:55 Received: 12/17/08 15:35							
Chloride	1200	10	mg/kg	1	12/24/08	EPA 300.0	
E #2 9' (C812005-12) Soil Sampled: 12/15/08 10:10 Received: 12/17/08 15:35							
Chloride	900	10	mg/kg	1	12/24/08	EPA 300.0	
E Northwall (C812005-13) Soil Sampled: 12/15/08 10:15 Received: 12/17/08 15:35							
Chloride	1800	10	mg/kg	1	12/24/08	EPA 300.0	
E Southwall (C812005-14) Soil Sampled: 12/15/08 10:25 Received: 12/17/08 15:35							
Chloride	2200	10	mg/kg	1	12/24/08	EPA 300.0	
BH #1 5' (C812005-15) Soil Sampled: 12/17/08 08:35 Received: 12/17/08 15:35							
Chloride	1200	10	mg/kg	1	12/24/08	EPA 300.0	
BH #1 10' (C812005-16) Soil Sampled: 12/17/08 08:45 Received: 12/17/08 15:35							
Chloride	1100	10	mg/kg	1	12/24/08	EPA 300.0	
BH #1 15' (C812005-17) Soil Sampled: 12/17/08 09:10 Received: 12/17/08 15:35							
Chloride	1400	10	mg/kg	1	12/24/08	EPA 300.0	
BH #1 20' (C812005-18) Soil Sampled: 12/17/08 09:45 Received: 12/17/08 15:35							
Chloride	1300	10	mg/kg	1	12/24/08	EPA 300.0	

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703 E. Clinton Ave

Hobbs, NM 88240

Project Number: XTO-08-008

Project Name: XTO EMSU-B #876

Project Manager: Bob Allen

Work Order No.:

C812005

### ANALYSIS REPORT

Analyte	Result	Reporting		Units	Dilution	Analyzed	Method	Notes
		Limit						
BH #2 5' (C812005-19) Soil    Sampled: 12/17/08 10:50    Received: 12/17/08 15:35								
Chloride	900	10	mg/kg	1		12/24/08	EPA 300.0	
BH #2 10' (C812005-20) Soil    Sampled: 12/17/08 11:10    Received: 12/17/08 15:35								
Chloride	1500	10	mg/kg	1		12/24/08	EPA 300.0	
BH #1 15' (C812005-21) Soil    Sampled: 12/17/08 11:25    Received: 12/17/08 15:35								
Chloride	1200	10	mg/kg	1		12/24/08	EPA 300.0	
BH #2 20' (C812005-22) Soil    Sampled: 12/17/08 11:45    Received: 12/17/08 15:35								
Chloride	1800	10	mg/kg	1		12/24/08	EPA 300.0	

Approved By  
Argon Laboratories, Inc.

QC Officer

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

Project Number: XTO-08-008  
Project Name: XTO EMSU-B #876  
Project Manager: Bob Allen

Work Order No.:  
C812005

**BTEX EPA Method 8021B**

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
<b>Surface #1 (C812005-01) Soil Sampled: 12/13/08 08:15 Received: 12/17/08 15:35</b>							
Benzene	ND	0.005	mg/kg	1	12/23/08	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	
Surr. Rec.:		107 %			"	"	
<b>Surface #2 (C812005-02) Soil Sampled: 12/13/08 08:30 Received: 12/17/08 15:35</b>							
Benzene	ND	0.005	mg/kg	1	12/23/08	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	
Surr. Rec.:		103 %			"	"	
<b>Surface #3 (C812005-03) Soil Sampled: 12/13/08 08:40 Received: 12/17/08 15:35</b>							
Benzene	ND	0.005	mg/kg	1	12/23/08	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	
Surr. Rec.:		99 %			"	"	
<b>Surface #4 (C812005-04) Soil Sampled: 12/13/08 08:55 Received: 12/17/08 15:35</b>							
Benzene	ND	0.005	mg/kg	1	12/23/08	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	
Surr. Rec.:		100 %			"	"	

Approved By  
Argon Laboratories, Inc.

QC Officer



Safety &amp; Environmental Solutions, Inc.

Project Number: XTO-08-008

703 E. Clinton Ave

Project Name: XTO EMSU-B #876

Work Order No.:

Hobbs, NM 88240

Project Manager: Bob Allen

C812005

## BTEX EPA Method 8021B

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
Surface #5 (C812005-05) Soil Sampled: 12/13/08 09:10 Received: 12/17/08 15:35							
Benzene	ND	0.005	mg/kg	1	12/23/08	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	
Surr. Rec.:		103 %			"	"	
#6 2' (C812005-06) Soil Sampled: 12/13/08 09:20 Received: 12/17/08 15:35							
Benzene	ND	0.005	mg/kg	1	12/23/08	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	
Surr. Rec.:		100 %			"	"	
Surface #7 (C812005-07) Soil Sampled: 12/13/08 09:30 Received: 12/17/08 15:35							
Benzene	ND	0.005	mg/kg	1	12/23/08	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	
Surr. Rec.:		92 %			"	"	
TT #1 2' (C812005-08) Soil Sampled: 12/15/08 08:20 Received: 12/17/08 15:35							
Benzene	ND	0.005	mg/kg	1	12/23/08	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	
Surr. Rec.:		102 %			"	"	

Approved By  
Argon Laboratories, Inc.

QC Officer



Safety &amp; Environmental Solutions, Inc.

Project Number: XTO-08-008

703 E. Clinton Ave

Project Name: XTO EMSU-B #876

Hobbs, NM 88240

Project Manager: Bob Allen

Work Order No.:

C812005

**BTEX EPA Method 8021B**

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
<b>TT #1 7' (C812005-09) Soil Sampled: 12/15/08 08:30 Received: 12/17/08 15:35</b>							
Benzene	ND	0.005	mg/kg	1	12/23/08	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	
Surr. Rec.:		102 %			"	"	
<b>TT #2 5' (C812005-10) Soil Sampled: 12/15/08 09:00 Received: 12/17/08 15:35</b>							
Benzene	ND	0.005	mg/kg	1	12/23/08	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	
Surr. Rec.:		100 %			"	"	
<b>E #1 9' (C812005-11) Soil Sampled: 12/15/08 09:55 Received: 12/17/08 15:35</b>							
Benzene	ND	0.005	mg/kg	1	12/23/08	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	
Surr. Rec.:		114 %			"	"	
<b>E #2 9' (C812005-12) Soil Sampled: 12/15/08 10:10 Received: 12/17/08 15:35</b>							
Benzene	ND	0.005	mg/kg	1	12/23/08	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	
Surr. Rec.:		110 %			"	"	

Approved By

Argon Laboratories, Inc.

QC Officer

Safety &amp; Environmental Solutions, Inc.

Project Number: XTO-08-008

703 E. Clinton Ave

Project Name: XTO EMSU-B #876

Work Order No.:

Hobbs, NM 88240

Project Manager: Bob Allen

C812005

**BTEX EPA Method 8021B**

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
<b>E Northwall (C812005-13) Soil</b> Sampled: 12/15/08 10:15 Received: 12/17/08 15:35							
Benzene	ND	0.005	mg/kg	1	12/23/08	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	
Surr. Rec.:		116 %			"	"	
<b>E Southwall (C812005-14) Soil</b> Sampled: 12/15/08 10:25 Received: 12/17/08 15:35							
Benzene	ND	0.005	mg/kg	1	12/23/08	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	
Surr. Rec.:		105 %			"	"	
<b>BH #1 5' (C812005-15) Soil</b> Sampled: 12/17/08 08:35 Received: 12/17/08 15:35							
Benzene	ND	0.005	mg/kg	1	12/23/08	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	
Surr. Rec.:		113 %			"	"	
<b>BH #1 10' (C812005-16) Soil</b> Sampled: 12/17/08 08:45 Received: 12/17/08 15:35							
Benzene	ND	0.005	mg/kg	1	12/23/08	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	
Surr. Rec.:		103 %			"	"	

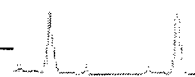
Approved By

Argon Laboratories, Inc.

QC Officer



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Safety & Environmental Solutions, Inc.

Project Number: XTO-08-008

703 E. Clinton Ave

Project Name: XTO EMSU-B #876

Work Order No.:

Hobbs, NM 88240

Project Manager: Bob Allen

C812005

**BTEX EPA Method 8021B**

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
<b>BH #1 15' (C812005-17) Soil Sampled: 12/17/08 09:10 Received: 12/17/08 15:35</b>							
Benzene	ND	0.005	mg/kg	1	12/23/08	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	
Surr. Rec.:		111 %			"	"	
<b>BH #1 20' (C812005-18) Soil Sampled: 12/17/08 09:45 Received: 12/17/08 15:35</b>							
Benzene	ND	0.005	mg/kg	1	12/23/08	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	
Surr. Rec.:		106 %			"	"	
<b>BH #2 5' (C812005-19) Soil Sampled: 12/17/08 10:50 Received: 12/17/08 15:35</b>							
Benzene	ND	0.005	mg/kg	1	12/23/08	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	
Surr. Rec.:		110 %			"	"	
<b>BH #2 10' (C812005-20) Soil Sampled: 12/17/08 11:10 Received: 12/17/08 15:35</b>							
Benzene	ND	0.005	mg/kg	1	12/23/08	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	
Surr. Rec.:		106 %			"	"	

Approved By  
Argon Laboratories, Inc.

QC Officer

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

Project Number: XTO-08-008  
Project Name: XTO EMSU-B #876  
Project Manager: Bob Allen

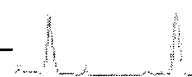
Work Order No.:  
C812005

**BTEX EPA Method 8021B**

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
<b>BH #1 15' (C812005-21) Soil Sampled: 12/17/08 11:25 Received: 12/17/08 15:35</b>							
Benzene	ND	0.005	mg/kg	1	12/23/08	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	
Surr. Rec.:		109 %			"	"	
<b>BH #2 20' (C812005-22) Soil Sampled: 12/17/08 11:45 Received: 12/17/08 15:35</b>							
Benzene	ND	0.005	mg/kg	1	12/23/08	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	
Surr. Rec.:		98 %			"	"	

Approved By  
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QC Officer



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Hobbs, NM 88240

Project Number: XTO-08-008  
Project Name: XTO EMSU-B #876  
Project Manager: Bob Allen

Work Order No.:  
C812005

**Total Petroleum Hydrocarbons EPA Method 8015M**

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
<b>Surface #1 (C812005-01) Soil</b> Sampled: 12/13/08 08:15 Received: 12/17/08 15:35							
Gasoline Range Organics	ND	10	mg/kg	1	12/23/08	EPA 8015M	
Diesel Range Organics	ND	10	"	"	"	"	
C29 - C35 Range Organics	ND	20	"	"	"	"	
Total Petroleum Hydrocarbons	ND	10	"	"	"	"	
Surr. Rec.:		116 %			"	"	
<b>Surface #2 (C812005-02) Soil</b> Sampled: 12/13/08 08:30 Received: 12/17/08 15:35							
Gasoline Range Organics	ND	10	mg/kg	1	12/23/08	EPA 8015M	
Diesel Range Organics	ND	10	"	"	"	"	
C29 - C35 Range Organics	ND	20	"	"	"	"	
Total Petroleum Hydrocarbons	ND	10	"	"	"	"	
Surr. Rec.:		104 %			"	"	
<b>Surface #3 (C812005-03) Soil</b> Sampled: 12/13/08 08:40 Received: 12/17/08 15:35							
Gasoline Range Organics	ND	10	mg/kg	1	12/23/08	EPA 8015M	
Diesel Range Organics	ND	10	"	"	"	"	
C29 - C35 Range Organics	ND	20	"	"	"	"	
Total Petroleum Hydrocarbons	ND	10	"	"	"	"	
Surr. Rec.:		105 %			"	"	
<b>Surface #4 (C812005-04) Soil</b> Sampled: 12/13/08 08:55 Received: 12/17/08 15:35							
Gasoline Range Organics	ND	10	mg/kg	1	12/23/08	EPA 8015M	
Diesel Range Organics	ND	10	"	"	"	"	
C29 - C35 Range Organics	ND	20	"	"	"	"	
Total Petroleum Hydrocarbons	ND	10	"	"	"	"	
Surr. Rec.:		105 %			"	"	

Approved By  
Argon Laboratories, Inc.

QC Officer



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Safety & Environmental Solutions, Inc.  
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Project Number: XTO-08-008  
Project Name: XTO EMSU-B #876  
Project Manager: Bob Allen

Work Order No.:  
C812005

**Total Petroleum Hydrocarbons EPA Method 8015M**

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
<b>Surface #5 (C812005-05) Soil Sampled: 12/13/08 09:10 Received: 12/17/08 15:35</b>							
Gasoline Range Organics	ND	10	mg/kg	1	12/23/08	EPA 8015M	
Diesel Range Organics	ND	10	"	"	"	"	
C29 - C35 Range Organics	ND	20	"	"	"	"	
Total Petroleum Hydrocarbons	ND	10	"	"	"	"	
Surr. Rec.:		104 %			"	"	
<b>#6 2' (C812005-06) Soil Sampled: 12/13/08 09:20 Received: 12/17/08 15:35</b>							
Gasoline Range Organics	ND	10	mg/kg	1	12/23/08	EPA 8015M	
Diesel Range Organics	ND	10	"	"	"	"	
C29 - C35 Range Organics	ND	20	"	"	"	"	
Total Petroleum Hydrocarbons	ND	10	"	"	"	"	
Surr. Rec.:		80 %			"	"	
<b>Surface #7 (C812005-07) Soil Sampled: 12/13/08 09:30 Received: 12/17/08 15:35</b>							
Gasoline Range Organics	ND	10	mg/kg	1	12/23/08	EPA 8015M	
Diesel Range Organics	ND	10	"	"	"	"	
C29 - C35 Range Organics	ND	20	"	"	"	"	
Total Petroleum Hydrocarbons	ND	10	"	"	"	"	
Surr. Rec.:		106 %			"	"	
<b>TT #1 2' (C812005-08) Soil Sampled: 12/15/08 08:20 Received: 12/17/08 15:35</b>							
Gasoline Range Organics	ND	10	mg/kg	1	12/23/08	EPA 8015M	
Diesel Range Organics	ND	10	"	"	"	"	
C29 - C35 Range Organics	ND	20	"	"	"	"	
Total Petroleum Hydrocarbons	ND	10	"	"	"	"	
Surr. Rec.:		101 %			"	"	

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Project Number: XTO-08-008  
Project Name: XTO EMSU-B #876  
Project Manager: Bob Allen

Work Order No.:  
C812005

**Total Petroleum Hydrocarbons EPA Method 8015M**

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
<b>TT #1 7' (C812005-09) Soil Sampled: 12/15/08 08:30 Received: 12/17/08 15:35</b>							
Gasoline Range Organics	ND	10	mg/kg	1	12/23/08	EPA 8015M	
Diesel Range Organics	ND	10	"	"	"	"	
C29 - C35 Range Organics	ND	20	"	"	"	"	
Total Petroleum Hydrocarbons	ND	10	"	"	"	"	
Surr. Rec.:		102 %			"	"	
<b>TT #2 5' (C812005-10) Soil Sampled: 12/15/08 09:00 Received: 12/17/08 15:35</b>							
Gasoline Range Organics	ND	10	mg/kg	1	12/23/08	EPA 8015M	
Diesel Range Organics	ND	10	"	"	"	"	
C29 - C35 Range Organics	ND	20	"	"	"	"	
Total Petroleum Hydrocarbons	ND	10	"	"	"	"	
Surr. Rec.:		104 %			"	"	
<b>E #1 9' (C812005-11) Soil Sampled: 12/15/08 09:55 Received: 12/17/08 15:35</b>							
Gasoline Range Organics	ND	10	mg/kg	1	12/23/08	EPA 8015M	
Diesel Range Organics	ND	10	"	"	"	"	
C29 - C35 Range Organics	ND	20	"	"	"	"	
Total Petroleum Hydrocarbons	ND	10	"	"	"	"	
Surr. Rec.:		108 %			"	"	
<b>E #2 9' (C812005-12) Soil Sampled: 12/15/08 10:10 Received: 12/17/08 15:35</b>							
Gasoline Range Organics	ND	10	mg/kg	1	12/23/08	EPA 8015M	
Diesel Range Organics	23	10	"	"	"	"	
C29 - C35 Range Organics	ND	20	"	"	"	"	
Total Petroleum Hydrocarbons	23	10	"	"	"	"	
Surr. Rec.:		102 %			"	"	

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: XTO-08-008

Project Name: XTO EMSU-B #876

Project Manager: Bob Allen

Work Order No.:

C812005

**Total Petroleum Hydrocarbons EPA Method 8015M**

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
<b>BH #1 15' (C812005-17) Soil Sampled: 12/17/08 09:10 Received: 12/17/08 15:35</b>							
Gasoline Range Organics	ND	10	mg/kg	1	12/23/08	EPA 8015M	
Diesel Range Organics	ND	10	"	"	"	"	
C29 - C35 Range Organics	ND	20	"	"	"	"	
Total Petroleum Hydrocarbons	ND	10	"	"	"	"	
Surr. Rec.:		94 %			"	"	
<b>BH #1 20' (C812005-18) Soil Sampled: 12/17/08 09:45 Received: 12/17/08 15:35</b>							
Gasoline Range Organics	ND	10	mg/kg	1	12/23/08	EPA 8015M	
Diesel Range Organics	ND	10	"	"	"	"	
C29 - C35 Range Organics	ND	20	"	"	"	"	
Total Petroleum Hydrocarbons	ND	10	"	"	"	"	
Surr. Rec.:		96 %			"	"	
<b>BH #2 5' (C812005-19) Soil Sampled: 12/17/08 10:50 Received: 12/17/08 15:35</b>							
Gasoline Range Organics	ND	10	mg/kg	1	12/23/08	EPA 8015M	
Diesel Range Organics	ND	10	"	"	"	"	
C29 - C35 Range Organics	ND	20	"	"	"	"	
Total Petroleum Hydrocarbons	ND	10	"	"	"	"	
Surr. Rec.:		96 %			"	"	
<b>BH #2 10' (C812005-20) Soil Sampled: 12/17/08 11:10 Received: 12/17/08 15:35</b>							
Gasoline Range Organics	ND	10	mg/kg	1	12/23/08	EPA 8015M	
Diesel Range Organics	ND	10	"	"	"	"	
C29 - C35 Range Organics	ND	20	"	"	"	"	
Total Petroleum Hydrocarbons	ND	10	"	"	"	"	
Surr. Rec.:		97 %			"	"	

Approved By  
Argon Laboratories, Inc.

QC Officer



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

Project Number: XTO-08-008  
Project Name: XTO EMSU-B #876  
Project Manager: Bob Allen

Work Order No.:  
C812005

**Total Petroleum Hydrocarbons EPA Method 8015M**

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
BH #1 15' (C812005-21) Soil    Sampled: 12/17/08 11:25    Received: 12/17/08 15:35							
Gasoline Range Organics	ND	10	mg/kg	1	12/23/08	EPA 8015M	
Diesel Range Organics	ND	10	"	"	"	"	
C29 - C35 Range Organics	ND	20	"	"	"	"	
Total Petroleum Hydrocarbons	ND	10	"	"	"	"	
Surr. Rec.:		100 %			"	"	
BH #2 20' (C812005-22) Soil    Sampled: 12/17/08 11:45    Received: 12/17/08 15:35							
Gasoline Range Organics	ND	10	mg/kg	1	12/23/08	EPA 8015M	
Diesel Range Organics	ND	10	"	"	"	"	
C29 - C35 Range Organics	ND	20	"	"	"	"	
Total Petroleum Hydrocarbons	ND	10	"	"	"	"	
Surr. Rec.:		105 %			"	"	

Approved By  
Argon Laboratories, Inc.

QC Officer



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

Project Number: XTO-08-008  
Project Name: XTO EMSU-B #876  
Project Manager: Bob Allen

Work Order No.:  
C812005

### ANALYSIS REPORT - Quality Control

#### Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	RPD	Notes
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#### Batch CR00168 - General Prep

##### Blank (CR00168-BLK1)

Prepared & Analyzed: 12/24/08

Chloride ND 10 mg/kg

##### LCS (CR00168-BS1)

Prepared & Analyzed: 12/24/08

Chloride 9.30 mg/kg 10.0 93

##### LCS Dup (CR00168-BSD1)

Prepared & Analyzed: 12/24/08

Chloride 9.80 mg/kg 10.0 98 5

##### Matrix Spike (CR00168-MS1)

Prepared & Analyzed: 12/24/08

Chloride 10.5 mg/kg 10.0 105

##### Matrix Spike Dup (CR00168-MSD1)

Prepared & Analyzed: 12/24/08

Chloride 9.80 mg/kg 10.0 98 7

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703 E. Clinton Ave  
Hobbs, NM 88240

Project Number: XTO-08-008  
Project Name: XTO EMSU-B #876  
Project Manager: Bob Allen

Work Order No.:  
C812005

**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 CR00169 - EPA 5030B**

**Blank (CR00169-BLK1)**

Prepared & Analyzed: 12/23/08

Surrogate: <i>a,a,a</i> -Trifluorotoluene	0.0515		mg/kg	0.0500		103		
Benzene	ND	0.005	"					
Toluene	ND	0.005	"					
Ethylbenzene	ND	0.005	"					
Xylenes (total)	ND	0.010	"					

**LCS (CR00169-BS1)**

Prepared & Analyzed: 12/23/08

Toluene	0.043		mg/kg	0.0500		86		
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**LCS Dup (CR00169-BSD1)**

Prepared & Analyzed: 12/23/08

Toluene	0.041		mg/kg	0.0500		82	5	
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**Matrix Spike (CR00169-MS1)**

Prepared & Analyzed: 12/23/08

Benzene	0.047		mg/kg	0.0500		94		
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**Matrix Spike Dup (CR00169-MSD1)**

Prepared & Analyzed: 12/23/08

Benzene	0.047		mg/kg	0.0500		94	0	
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Argon Laboratories, Inc.

QC Officer



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

Project Number: XTO-08-008  
Project Name: XTO EMSU-B #876  
Project Manager: Bob Allen

Work Order No.:  
C812005

**Total Petroleum Hydrocarbons EPA Method 8015M - Quality Control**

**Argon Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	RPD	Notes
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**Batch CR00170 - EPA 3550B**

**Blank (CR00170-BLK1)**

Prepared & Analyzed: 12/23/08

Surrogate: <i>p</i> -Terphenyl	0.0910		mg/kg	0.100	91			
Gasoline Range Organics	ND	10	"					
Diesel Range Organics	ND	10	"					
C29 - C35 Range Organics	ND	20	"					
Total Petroleum Hydrocarbons	ND	10	"					

**LCS (CR00170-BS1)**

Prepared & Analyzed: 12/23/08

Total Petroleum Hydrocarbons	102		mg/kg	100	102			
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**LCS Dup (CR00170-BSD1)**

Prepared & Analyzed: 12/23/08

Total Petroleum Hydrocarbons	106		mg/kg	100	106	4		
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**Matrix Spike (CR00170-MS1)**

Prepared & Analyzed: 12/23/08

Total Petroleum Hydrocarbons	101		mg/kg	100	101			
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**Matrix Spike Dup (CR00170-MSD1)**

Prepared & Analyzed: 12/23/08

Total Petroleum Hydrocarbons	102		mg/kg	100	102	1		
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Approved By  
Argon Laboratories, Inc.

QC Officer



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Safety & Environmental Solutions, Inc.

703 E. Clinton Ave

Hobbs, NM 88240

Project Number: XTO-08-008

Project Name: XTO EMSU-B #876

Project Manager: Bob Allen

Work Order No.:

C812005

### 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

Approved By

Argon Laboratories, Inc.

QC Officer

# argon laboratories

28 February 2009

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

RE: XTO EMSU-B #872 Project Data

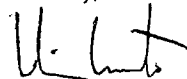
Enclosed are the results for sample(s) received on 02/24/09 16:30 by Argon Laboratories. The sample(s) were analyzed according to instructions in accompanying chain-of-custody. Results are summarized on the following pages.

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

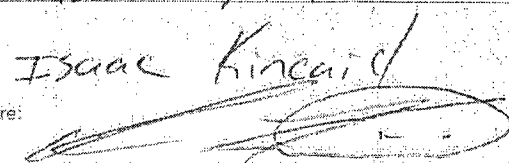

# Argon Labs

2126 W. Mainland Ave Hobbs, NM 88240

(505)397-0295 (505)397-0296 info@argonlabs.com

## CHAIN OF CUSTODY

1221

Project No: <b>XTO-08-003</b> Project Title: <b>XTO EMSU #872</b> Location: <b>Monument, NM</b>				Client: <b>SESF</b> Address: <b>703 E Clinton</b> Contact: <b>Hobbs, NM 88240</b> Phone: <b>(575) 347-0510</b> Fax: <b>(575) 347-0510</b> Bill To:			
Donor's Name: <b>Isaac Kincaid</b> Donor's Signature: 				Client: <b>Sume</b> Address:			
TURN AROUND TIME 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> other <input checked="" type="checkbox"/> <b>3 day</b> Standard (5 days) <input type="checkbox"/>				ANALYSIS chlorides <input checked="" type="checkbox"/> TPH 4181 <input checked="" type="checkbox"/> BTEX <input checked="" type="checkbox"/>			
Sample ID: <b>Time Date</b> # Containers Matrix				COMMENTS			
<b>BH #3 Surface 0835 2/24/9 1 Soil</b>				<input checked="" type="checkbox"/>			
<b>BH #3 5' 0845 2/24/9 1 Soil</b>				<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>			
<b>BH #3 10' 0900 2/24/9 1 Soil</b>				<input checked="" type="checkbox"/>			
<b>BH #3 15' 0915 2/24/9 1 Soil</b>				<input checked="" type="checkbox"/>			
<b>BH #3 20' 0945 2/24/9 1 Soil</b>				<input checked="" type="checkbox"/>			
<b>BH #3 25' 1025 2/24/9 1 Soil</b>				<input checked="" type="checkbox"/>			
<b>BH #3 30' 1115 2/24/9 1 Soil</b>				<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>			
<b>BH #4 Surface 1215 2/24/9 1 Soil</b>				<input checked="" type="checkbox"/>			
<b>BH #4 5' 1220 2/24/9 1 Soil</b>				<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>			
<b>BH #4 10' 1245 2/24/9 1 Soil</b>				<input checked="" type="checkbox"/>			
<b>BH #4 15' 1300 2/24/9 1 Soil</b>				<input checked="" type="checkbox"/>			
<b>BH #4 20' 1315 2/24/9 1 Soil</b>				<input checked="" type="checkbox"/>			
Collected By:  Date: <b>2/24/9</b> Time: <b>1630</b>				Received By: <b>Nicole Franco</b> Date: <b>2-24-09</b> Time: <b>1630</b>			
Collected By: Date: Time:				Received By: Date: Time:			
Collected By: Date: Time:				Received By: Date: Time:			


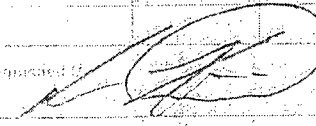
SPECIAL INSTRUCTIONS:



126 W. Maryland Ave. Herts, Md. 20240

1 (65) 397-0295 1 (505) 397-0296 [info@argoflat.com](mailto:info@argoflat.com)

1222

Project No: <b>XTO-08-005</b> Project Title: <b>XTO EMSU #872</b> Location: <b>monument, nm</b>		Client: <b>SE SE</b> Address: <b>703 E clinton</b> Contact: <b>Hobbs, nm 88242</b> Phone: <b>(575) 397-0510</b> Fax:																	
Sampler's Name: <b>Isaac Kincaid</b> (print)		Bill To:																	
Sampler's Signature: 		Client: <b>Same</b> Address:																	
TURN AROUND TIME PUSH <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input checked="" type="checkbox"/> other <input type="checkbox"/> Standard (5 days) <input type="checkbox"/> <b>3 days</b>		ANALYSIS chlorides <b>TPH 416.1</b> <b>BTEN</b>																	
COMMENTS																			
Sample ID	Date	Time	# Containers	Matrix															
BH #4 25'	2/24/9	1330	1	Soil	✓														
BH #4 30'	2/24/9	1355	1	Soil	✓	✓	✓												
Requested By:  Date: <b>2/24/9</b> Time: <b>1630</b> Requested By: <b>Michael Franco</b> Date: <b>2/24/09</b> Time: <b>1630</b>																			
Requested By: _____ Date: _____ Time: _____ Requested By: _____ Date: _____ Time: _____																			
Requested By: _____ Date: _____ Time: _____ Requested By: _____ Date: _____ Time: _____																			

# Argon Laboratories Sample Receipt Checklist

Client Name: Safety & Environmental Solutions, Inc. Date & Time Received: 02/24/09 16:30

Project Name: XTO EMSU #872 Client Project Number: XTO-08-008

Received By: N.F. Matrix: Water ☐ Soil ☒ Sludge ☐

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

Argon Labs Project Number: D902009

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:



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

Safety & Environmental Solutions, Inc.

Project Number: XTO-08-008

703 E. Clinton Ave

Project Name: XTO EMSU-B #872

Hobbs, NM 88240

Project Manager: Bob Allen

Work Order No.:

D902009

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH #3 Surface	D902009-01	Soil	02/24/09 08:35	02/24/09 16:30
BH #3 5'	D902009-02	Soil	02/24/09 08:45	02/24/09 16:30
BH #3 10'	D902009-03	Soil	02/24/09 09:00	02/24/09 16:30
BH #3 15'	D902009-04	Soil	02/24/09 09:15	02/24/09 16:30
BH #3 20'	D902009-05	Soil	02/24/09 09:45	02/24/09 16:30
BH #3 25'	D902009-06	Soil	02/24/09 10:25	02/24/09 16:30
BH #3 30'	D902009-07	Soil	02/24/09 11:15	02/24/09 16:30
BH #4 Surface	D902009-08	Soil	02/24/09 12:15	02/24/09 16:30
BH #4 5'	D902009-09	Soil	02/24/09 12:20	02/24/09 16:30
BH #4 10'	D902009-10	Soil	02/24/09 12:45	02/24/09 16:30
BH #4 15'	D902009-11	Soil	02/24/09 13:00	02/24/09 16:30
BH #4 20'	D902009-12	Soil	02/24/09 13:15	02/24/09 16:30
BH #4 25'	D902009-13	Soil	02/24/09 13:30	02/24/09 16:30
BH #4 30'	D902009-14	Soil	02/24/09 13:55	02/24/09 16:30

Approved By

Argon Laboratories, Inc.

QC Officer



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

Project Number: XTO-08-008  
Project Name: XTO EMSU-B #872  
Project Manager: Bob Allen

Work Order No.:  
D902009

### ANALYSIS REPORT

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
BH #3 Surface (D902009-01) Soil Sampled: 02/24/09 08:35 Received: 02/24/09 16:30							
Chloride	770	50	mg/kg	5	02/27/09	EPA 300.0	
BH #3 5' (D902009-02) Soil Sampled: 02/24/09 08:45 Received: 02/24/09 16:30							
Chloride	880	100	mg/kg	10	02/27/09	EPA 300.0	
BH #3 10' (D902009-03) Soil Sampled: 02/24/09 09:00 Received: 02/24/09 16:30							
Chloride	1200	100	mg/kg	10	02/27/09	EPA 300.0	
BH #3 15' (D902009-04) Soil Sampled: 02/24/09 09:15 Received: 02/24/09 16:30							
Chloride	780	50	mg/kg	5	02/27/09	EPA 300.0	
BH #3 20' (D902009-05) Soil Sampled: 02/24/09 09:45 Received: 02/24/09 16:30							
Chloride	1100	100	mg/kg	10	02/27/09	EPA 300.0	
BH #3 25' (D902009-06) Soil Sampled: 02/24/09 10:25 Received: 02/24/09 16:30							
Chloride	1100	100	mg/kg	10	02/27/09	EPA 300.0	
BH #3 30' (D902009-07) Soil Sampled: 02/24/09 11:15 Received: 02/24/09 16:30							
Chloride	1400	100	mg/kg	10	02/27/09	EPA 300.0	
BH #4 Surface (D902009-08) Soil Sampled: 02/24/09 12:15 Received: 02/24/09 16:30							
Chloride	1200	100	mg/kg	10	02/27/09	EPA 300.0	
BH #4 5' (D902009-09) Soil Sampled: 02/24/09 12:20 Received: 02/24/09 16:30							
Chloride	1300	100	mg/kg	10	02/27/09	EPA 300.0	

Approved By  
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Safety & Environmental Solutions, Inc.

703 E. Clinton Ave

Hobbs, NM 88240

Project Number: XTO-08-008

Project Name: XTO EMSU-B #872

Project Manager: Bob Allen

Work Order No.:

D902009

### ANALYSIS REPORT

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
BH #4 10' (D902009-10) Soil Sampled: 02/24/09 12:45 Received: 02/24/09 16:30							
Chloride	1100	100	mg/kg	10	02/27/09	EPA 300.0	
BH #4 15' (D902009-11) Soil Sampled: 02/24/09 13:00 Received: 02/24/09 16:30							
Chloride	830	50	mg/kg	5	02/27/09	EPA 300.0	
BH #4 20' (D902009-12) Soil Sampled: 02/24/09 13:15 Received: 02/24/09 16:30							
Chloride	1100	100	mg/kg	10	02/27/09	EPA 300.0	
BH #4 25' (D902009-13) Soil Sampled: 02/24/09 13:30 Received: 02/24/09 16:30							
Chloride	800	100	mg/kg	10	02/27/09	EPA 300.0	
BH #4 30' (D902009-14) Soil Sampled: 02/24/09 13:55 Received: 02/24/09 16:30							
Chloride	1300	100	mg/kg	10	02/27/09	EPA 300.0	

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Hobbs, NM 88240

Project Number: XTO-08-008  
Project Name: XTO EMSU-B #872  
Project Manager: Bob Allen

Work Order No.:  
D902009

**BTEX EPA Method 8021B**

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
<b>BH #3 5' (D902009-02) Soil Sampled: 02/24/09 08:45 Received: 02/24/09 16:30</b>							
Benzene	ND	0.005	mg/kg	1	02/27/09	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	
Surr. Rec.:		91 %			"	"	
<b>BH #3 30' (D902009-07) Soil Sampled: 02/24/09 11:15 Received: 02/24/09 16:30</b>							
Benzene	ND	0.005	mg/kg	1	02/27/09	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	
Surr. Rec.:		102 %			"	"	
<b>BH #4 5' (D902009-09) Soil Sampled: 02/24/09 12:20 Received: 02/24/09 16:30</b>							
Benzene	ND	0.005	mg/kg	1	02/27/09	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	
Surr. Rec.:		102 %			"	"	
<b>BH #4 30' (D902009-14) Soil Sampled: 02/24/09 13:55 Received: 02/24/09 16:30</b>							
Benzene	ND	0.005	mg/kg	1	02/27/09	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	
Surr. Rec.:		93 %			"	"	

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: XTO-08-008  
Project Name: XTO EMSU-B #872  
Project Manager: Bob Allen

Work Order No.:  
D902009

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

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
<b>BH #3 5' (D902009-02) Soil</b> Sampled: 02/24/09 08:45 Received: 02/24/09 16:30							
Total Petroleum Hydrocarbons	ND	20	mg/kg	1	02/27/09	EPA 418.1	
<b>BH #3 30' (D902009-07) Soil</b> Sampled: 02/24/09 11:15 Received: 02/24/09 16:30							
Total Petroleum Hydrocarbons	ND	20	mg/kg	1	02/27/09	EPA 418.1	
<b>BH #4 5' (D902009-09) Soil</b> Sampled: 02/24/09 12:20 Received: 02/24/09 16:30							
Total Petroleum Hydrocarbons	ND	20	mg/kg	1	02/27/09	EPA 418.1	
<b>BH #4 30' (D902009-14) Soil</b> Sampled: 02/24/09 13:55 Received: 02/24/09 16:30							
Total Petroleum Hydrocarbons	ND	20	mg/kg	1	02/27/09	EPA 418.1	

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.

Project Number: XTO-08-008

703 E. Clinton Ave

Project Name: XTO EMSU-B #872

Hobbs, NM 88240

Project Manager: Bob Allen

Work Order No.:

D902009

### ANALYSIS REPORT - Quality Control

#### Argon Laboratories

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

#### Batch DS00033 - General Prep

##### Blank (DS00033-BLK1)

Prepared & Analyzed: 02/27/09

Chloride ND 10 mg/kg

##### LCS (DS00033-BS1)

Prepared & Analyzed: 02/27/09

Chloride 11.7 mg/kg 10.0 117

##### LCS Dup (DS00033-BSD1)

Prepared & Analyzed: 02/27/09

Chloride 11.6 mg/kg 10.0 116 0.9

##### Matrix Spike (DS00033-MS1)

Prepared & Analyzed: 02/27/09

Chloride 11.1 mg/kg 10.0 111

##### Matrix Spike Dup (DS00033-MSD1)

Prepared & Analyzed: 02/27/09

Chloride 10.2 mg/kg 10.0 102 8

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: XTO-08-008  
Project Name: XTO EMSU-B #872  
Project Manager: Bob Allen

Work Order No.:  
D902009

**BTEX EPA Method 8021B - Quality Control**

**Argon Laboratories**

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

**Batch DS00034 - EPA 5030B**

**Blank (DS00034-BLK1)**

Prepared & Analyzed: 02/27/09

Surrogate: <i>a,a,a</i> -Trifluorotoluene	0.0485		mg/kg	0.0500		97		
Benzene	ND	0.005	"					
Toluene	ND	0.005	"					
Ethylbenzene	ND	0.005	"					
Xylenes (total)	ND	0.010	"					

**LCS (DS00034-BS1)**

Prepared & Analyzed: 02/27/09

Toluene	0.046		mg/kg	0.0500		92		
---------	-------	--	-------	--------	--	----	--	--

**LCS Dup (DS00034-BSD1)**

Prepared & Analyzed: 02/27/09

Toluene	0.054		mg/kg	0.0500		108	16	
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**Matrix Spike (DS00034-MS1)**

Prepared & Analyzed: 02/27/09

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

**Matrix Spike Dup (DS00034-MSD1)**

Prepared & Analyzed: 02/27/09

Benzene	0.046		mg/kg	0.0500		92	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: XTO-08-008  
Project Name: XTO EMSU-B #872  
Project Manager: Bob Allen

Work Order No.:  
D902009

**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 DS00035 - EPA 3550B**

**Blank (DS00035-BLK1)**

Prepared & Analyzed: 02/27/09

Total Petroleum Hydrocarbons ND 20 mg/kg

**LCS (DS00035-BS1)**

Prepared & Analyzed: 02/27/09

Total Petroleum Hydrocarbons 210 mg/kg 200 105

**LCS Dup (DS00035-BSD1)**

Prepared & Analyzed: 02/27/09

Total Petroleum Hydrocarbons 220 mg/kg 200 110 5

**Matrix Spike (DS00035-MS1)**

Prepared & Analyzed: 02/27/09

Total Petroleum Hydrocarbons 204 mg/kg 200 102

**Matrix Spike Dup (DS00035-MSD1)**

Prepared & Analyzed: 02/27/09

Total Petroleum Hydrocarbons 210 mg/kg 200 105 3

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: XTO-08-008

Project Name: XTO EMSU-B #872

Project Manager: Bob Allen

Work Order No.:

D902009

### 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

---

Approved By

Argon Laboratories, Inc.

---

QC Officer



# ARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR  
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.  
ATTN: BOB ALLEN  
703 E. CLINTON, #102  
HOBBS, NM 88240  
FAX TO: (575) 393-4388

Receiving Date: 06/09/09  
Reporting Date: 06/11/09  
Project Owner: XTO ENERGY (XTO-08-008)  
Project Name: XTO-EMSU-B # 872  
Project Location: NOT GIVEN

Sampling Date: 06/05/09 & 06/08/09  
Sample Type: SOIL  
Sample Condition: INTACT @ 11.5°C  
Sample Received By: AB  
Analyzed By: AB/ZL

LAB NUMBER	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/kg)	DRO (C <sub>10</sub> -C <sub>28</sub> ) (mg/kg)
		06/10/09	06/10/09
H17581-1	BF-1	<10.0	<10.0
H17581-2	BF-2	<10.0	<10.0
H17581-3	BF-3	<10.0	16.4
H17581-4	BF-4	<10.0	11.0
H17581-5	BF-5	<10.0	<10.0
H17581-6	BF-7	<10.0	38.7
H17581-7	BF-8	<10.0	40.3
H17581-8	BF-6	<10.0	<10.0
Quality Control		538	539
True Value QC		500	500
% Recovery		108	108
Relative Percent Difference		3.8	0.8

METHOD: SW-846 8015 M. Reported on wet weight. Not accredited through NELAP for GRO/DRO.

  
Lab Director

  
Date

H17581 T SESI

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



# ARDINAL LABORATORIES

PHONE (575) 393-2325 • 101 E. MARLAND • HOBBS, NM 88240


ANALYTICAL RESULTS FOR  
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.  
ATTN: BOB ALLEN  
703 E. CLINTON, #102  
HOBBS, NM 88240  
FAX TO: (575) 393-4388

Receiving Date: 06/09/09  
Reporting Date: 06/11/09  
Project Owner: XTO ENERGY (XTO-08-008)  
Project Name: XTO-EMSU-B # 872  
Project Location: NOT GIVEN

Sampling Date: 06/08/09  
Sample Type: SOIL  
Sample Condition: INTACT @ 11.5°C  
Sample Received By: AB  
Analyzed By: AB/ZL

LAB NUMBER	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/kg)	DRO (C <sub>10</sub> -C <sub>28</sub> ) (mg/kg)
		06/10/09	06/10/09
H17581-9	NW-1	<10.0	<10.0
H17581-10	NW-2	<10.0	<10.0
H17581-11	NW-3	<10.0	<10.0
H17581-12	NW-4	<10.0	<10.0
H17581-13	EW	<10.0	<10.0
H17581-14	SW-6	<10.0	<10.0
H17581-15	SW-5	<10.0	<10.0
H17581-16	SW-4	<10.0	<10.0
H17581-17	SW-3	<10.0	<10.0
H17581-18	SW-2	<10.0	<10.0
H17581-19	SW-1	<10.0	<10.0
Quality Control		530	550
True Value QC		500	500
% Recovery		106	110
Relative Percent Difference		11.4	13.6

METHOD: SW-846 8015 M. Reported on wet weight. Not accredited through NELAP for GRO/DRO.

  
Lab Director

  
Date

H17581 T SESI

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. No claim, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates, or subcontractors arising out of or related to the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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ANALYTICAL RESULTS FOR  
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.  
ATTN: BOB ALLEN  
703 E. CLINTON, #102  
HOBBS, NM 88240  
FAX TO: (575) 393-4388

Receiving Date: 06/09/09  
Reporting Date: 06/10/09  
Project Number: XTO-08-008  
Project Name: XTO-EMSU-B # 872  
Project Location: NOT GIVEN

Sampling Date: 06/05/09 & 06/08/09  
Sample Type: SOIL  
Sample Condition: INTACT @ 11.5 C  
Sample Received By: AB  
Analyzed By: HM/ZL


LAB NO.	SAMPLE ID	ETHYL TOTAL				CI*
		BENZENE	TOLUENE	BENZENE	XYLENES	
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)

ANALYSIS DATE:	06/09/09	06/09/09	06/09/09	06/09/09	06/10/09
H17581-1 BF-1	<0.050	<0.050	<0.050	<0.300	352
H17581-2 BF-2	<0.050	<0.050	<0.050	<0.300	288
H17581-3 BF-3	<0.050	<0.050	<0.050	<0.300	240
H17581-4 BF-4	<0.050	<0.050	<0.050	<0.300	800
H17581-5 BF-5	<0.050	<0.050	<0.050	<0.300	752
H17581-6 BF-7	<0.050	<0.050	<0.050	<0.300	128
H17581-7 BF-8	<0.050	<0.050	<0.050	<0.300	144
H17581-8 BF-6	<0.050	<0.050	<0.050	<0.300	1,100
H17581-9 NW-1	<0.050	<0.050	<0.050	<0.300	48
H17581-10 NW-2	<0.050	<0.050	<0.050	<0.300	< 16
Quality Control	0.055	0.057	0.052	0.158	490
True Value QC	0.050	0.050	0.050	0.150	500
% Recovery	110	114	104	105	98.0
Relative Percent Difference	13.1	<1.0	1.9	<1.0	< 0.1

METHODS: BTEX - SW-846 8021B; CI- Std. Methods 4500-CI-B

\*Analyses performed on 1:4 w/v aqueous extracts. Reported on wet weight basis.

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,  
AND TOTAL XYLENES. Not accredited for Chloride.

  
Lab Director

  
Date

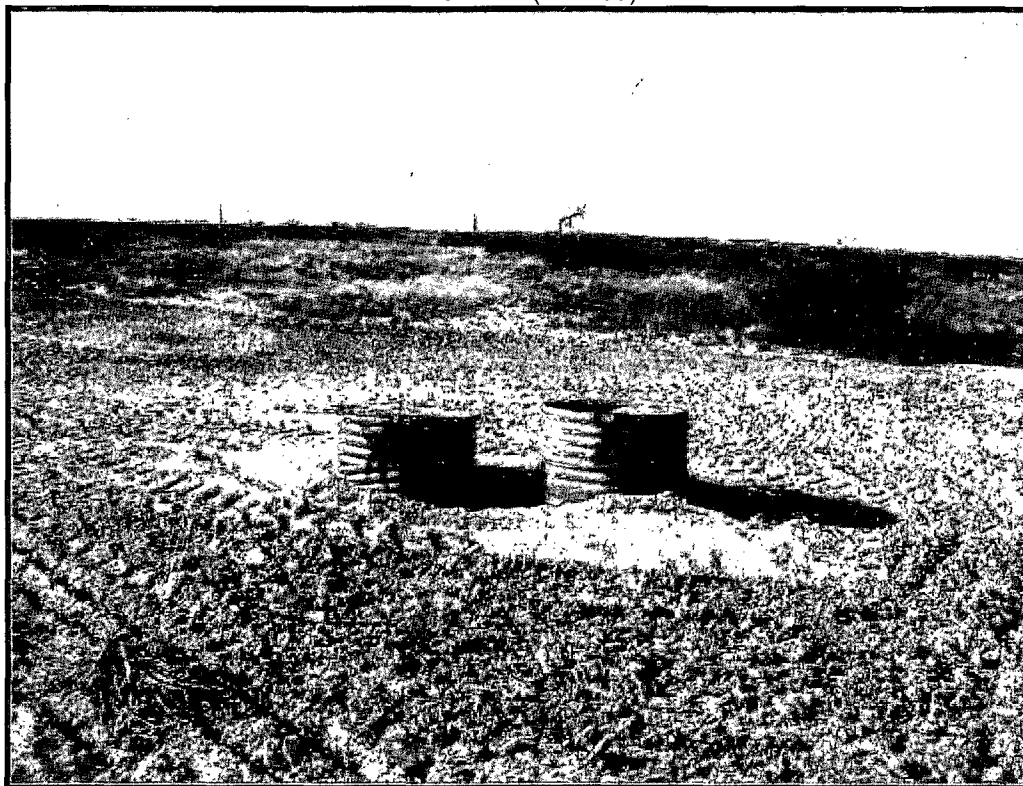
H17581 BOL SESI

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## **Appendix B**

### **Site Photos**

XTO #872 (7/16/09)



Junction box backfilled facing south

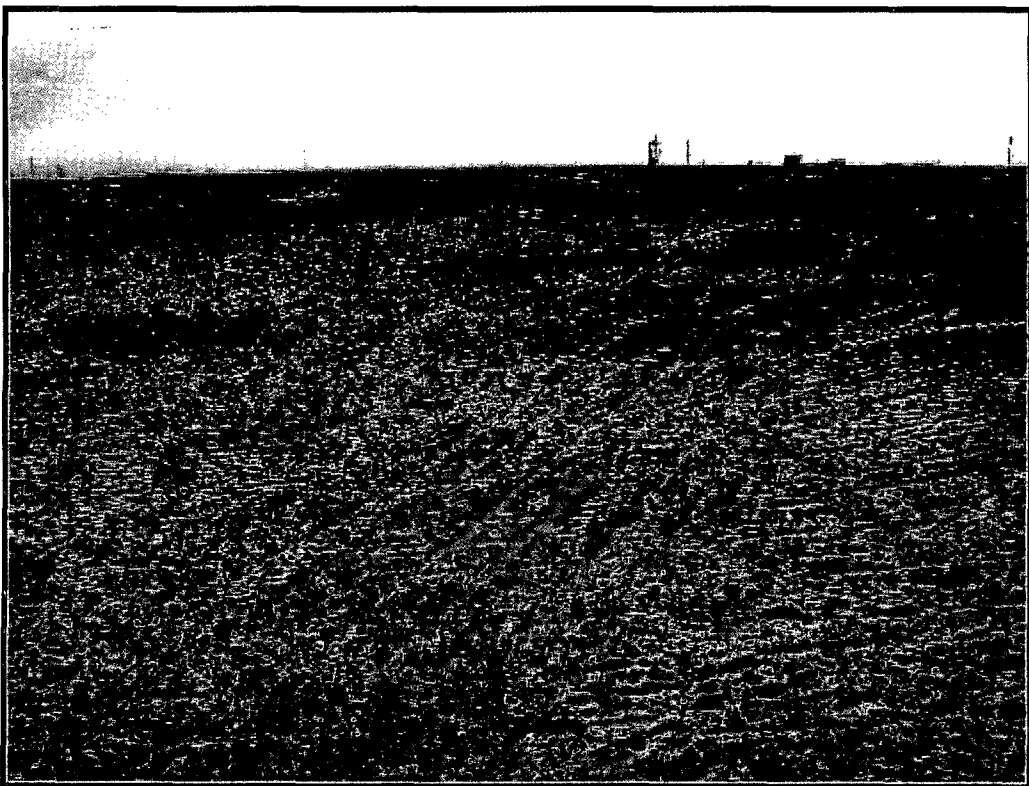


Backfilled area facing south





Backfill area facing southeast



Backfill area facing east



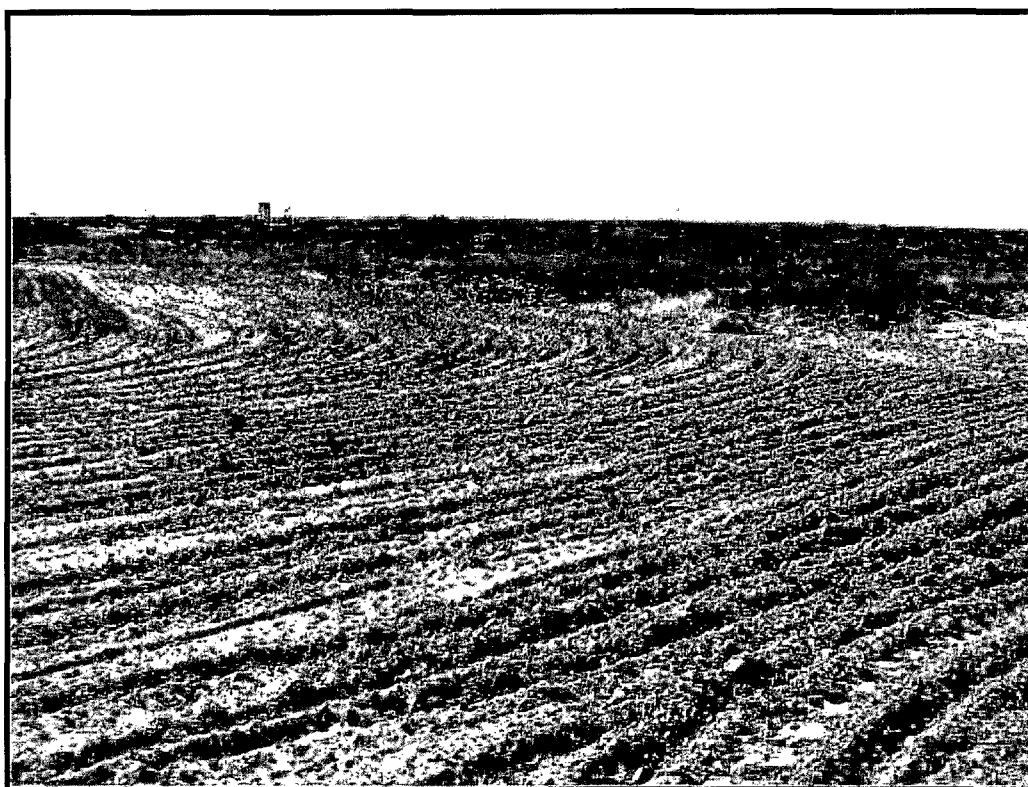
Backfill area facing southeast



Backfill area facing northeast



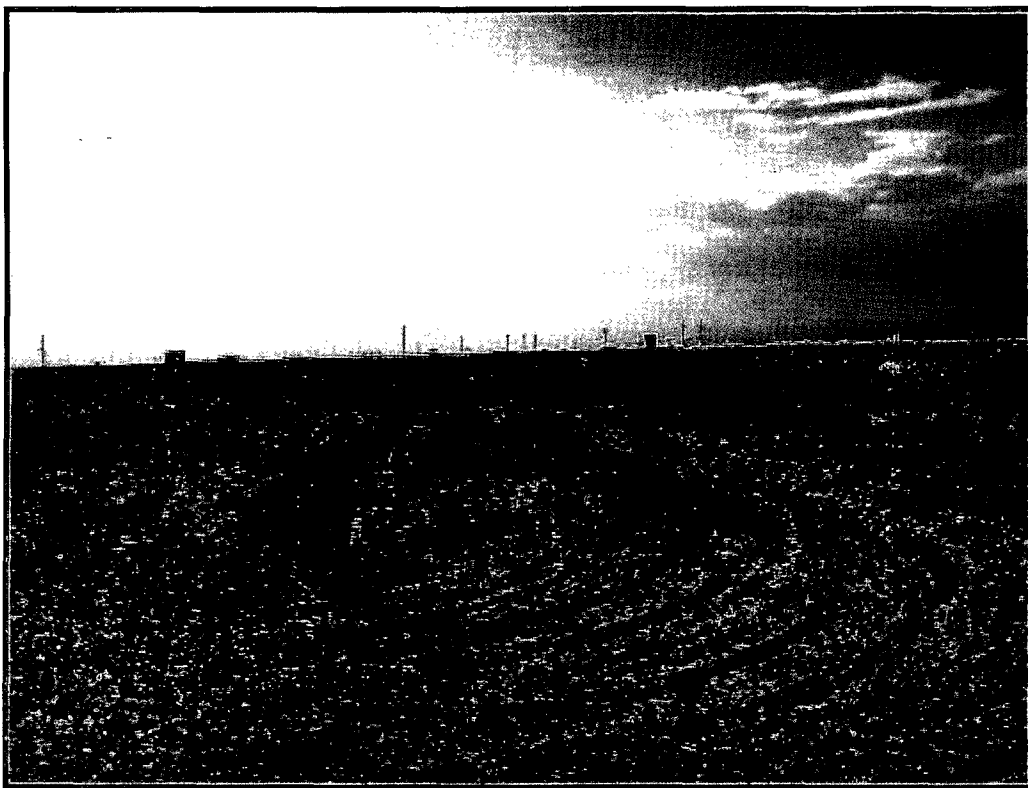
Backfill area facing east



Backfill area facing southeast



Backfill area facing northeast



Backfill area facing southeast



Backfill area facing east



Backfill area facing south





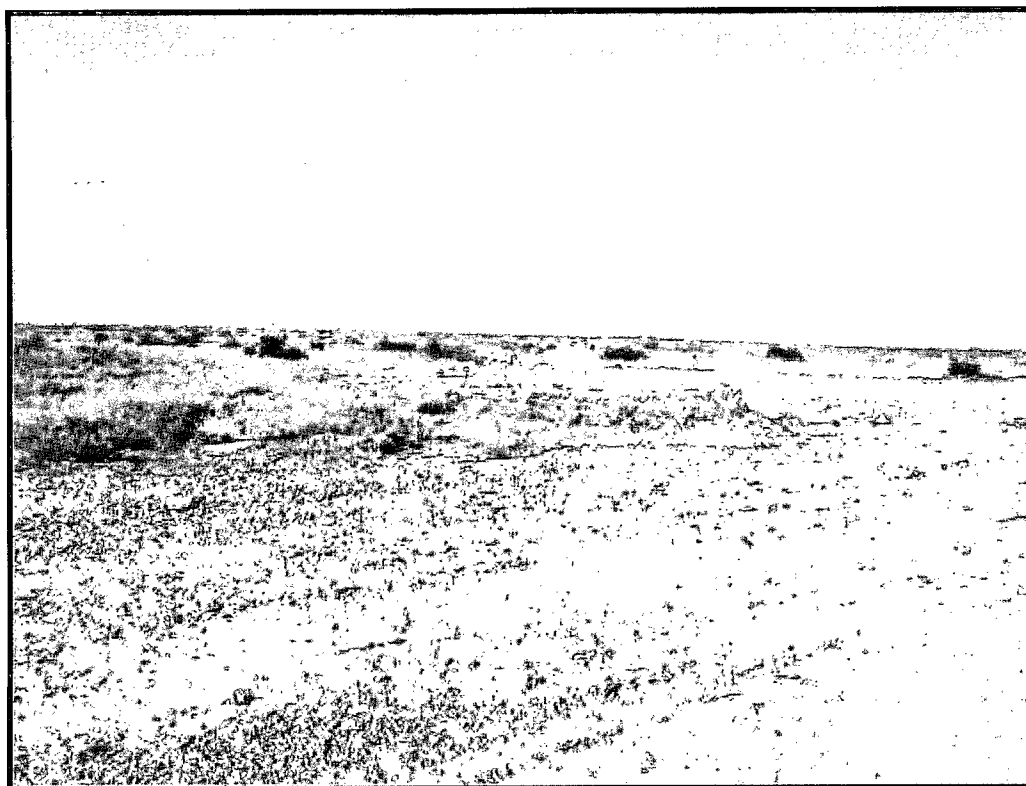
Backfill area facing north



Backfill area facing northwest



Backfill area facing west



Backfill area facing southwest

**Appendix C**  
**C-141**



District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

Release Notification and Corrective Action

OPERATOR

X Initial Report ☐ Final Report

Name of Company XTO Energy	Contact Gene Hudson
Address PO Box 700 Eunice, NM 88231	Telephone No. 575-441-1634
Facility Name EMSU B # 876	Facility Type injection line

Surface Owner Jimmy Cooper	Mineral Owner BLM	Lease No.
----------------------------	-------------------	-----------

LOCATION OF RELEASE

API # 30-025-04269-00-00

Unit Letter G	Section 14	Township 20S	Range 36E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
------------------	---------------	-----------------	--------------	---------------	------------------	---------------	----------------	---------------

Latitude 32.57507 Longitude 103.32193

NATURE OF RELEASE

Type of Release produced water	Volume of Release 550	Volume Recovered 480
Source of Release: Steel Valve	Date and Hour of Occurrence	Date and Hour of Discovery 12/11/08 12:30pm
Was Immediate Notice Given? X Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Buddy Hill/NMOCD Tricia Bad Bear/BLM	
By Whom? Gene Hudson	Date and Hour 12/12/08 12:00 P.M.	
Was a Watercourse Reached? <input type="checkbox"/> Yes X No	If YES, Volume Impacting the Watercourse.	

RECEIVED

DEC 15 2008

HOBBSOC

GW @ 75'

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*  
The leak was caused by internal corrosion on steel valve/ valve was repaired.

Describe Area Affected and Cleanup Action Taken.\*  
An area measuring 322'X131' was affected. Vacuum trucks were called to remove standing fluid and SESI was called for assessment. An appropriate workplan will follow.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

OIL CONSERVATION DIVISION

Signature: <i>Jerri Lee</i>	Approved by District Supervisor: <i>Gene W. Lee</i>	
Printed Name: Jerri Lee	Approval Date: 12/15/08	Expiration Date: 02/13/08
Title: Consultant	Conditions of Approval: FULL DELINEATION	
E-mail Address: office@sesi-nm.com	SAMPLE TO CLEAN UP FINAL C-141 DUE 02/13/08	Attached <input type="checkbox"/>
Date: 12/12/08	Phone: 575-397-0510	

\* Attach Additional Sheets If Necessary

IRP-2028

FGRL 0835048010

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised October 10, 2003  
Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company XTO Energy	Contact Gene Hudson
Address PO Box 700, Eunice, NM 88231	Telephone No. 575-441-1634
Facility Name EMSU B #872	Facility Type Injection line

Surface Owner Jimmy Cooper	Mineral Owner BLM	Lease No.
----------------------------	-------------------	-----------

LOCATION OF RELEASE

Unit Letter G	Section 14	Township 20S	Range 36E	Feet from the	North/South Line	Feet from the	East/West Line	County
------------------	---------------	-----------------	--------------	---------------	------------------	---------------	----------------	--------

Latitude 32.57507 Longitude 103.32193

NATURE OF RELEASE

Type of Release Produce Water	Volume of Release 550	Volume Recovered 450
Source of Release Steel Valve	Date and Hour of Occurrence	Date and Hour of Discovery 12/11/08 12:30 pm
Was Immediate Notice Given? X Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Buddy Hill/NMOCD Tricia Bad Bear/ BLM	
By Whom? Gene Hudson	Date and Hour 12/12/08 12:00 pm	
Was a Watercourse Reached? <input type="checkbox"/> Yes X No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

The leak was caused by internal corrosion on steel valve/valve was repaired. An area measuring 322' X 131' was affected. Vacuum trucks were called to remove standing fluid and SESI was called for assessment.

Describe Area Affected and Cleanup Action Taken.\*

The 5,520 yards of highly contaminated soils were excavated and hauled to an approved NMOCD site for disposal. The area was then lined with 40-mil impervious liner. The area was then backfilled with 5,520 yards of clean soil from an offsite facility and returned to its natural grade. The site has been reseeded for growth.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

OIL CONSERVATION DIVISION

Signature: *Gene Hudson*

Printed Name: Gene Hudson

Title: Maintenance Foreman

E-mail Address: Richard\_hudson@xtoenergy.com

Date: 6/30/09

Phone: 575-441-1634

Approved by **ENV ENGINEER:**  
District Supervisor

Approval Date: 02/01/2011

Conditions of Approval:

Expiration Date: —

Attached ☐

IRP-2028

\* Attach Additional Sheets If Necessary