MAY 2.5 2010 HOBBSOCD

### SUMP CLOSURE REPORT

Targa Midstream Services, L.P. Eunice South Compressor Station GW-344 Unit M (SW/4, SW/4), Section 27, T22S, R37E Lea County, NM

Project No. 9-0120

May 20, 2010

Prepared for: Targa Midstream Services 6 Desta Drive Midland, Texas 79705

Prepared by: Mark J. Larson Certified Professional Geologist

Larson & Associates, Inc. 507 North Marienfeld, Suite 200 Midland, Texas 79701

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### **1.0 Executive Summary**

The following report is submitted to the New Mexico Oil Conservation Division (OCD) on behalf of Targa Midstream Services, L.P., (Targa) by Larson & Associates, Inc. (LAI), its consultant, to present laboratory results of soil samples collected from the bottom and sidewalls of excavations where concrete sumps were removed at the Eunice South Compressor Station (Site). The report also presents inspection results of a concrete containment from a former below grade tank.

The Site is the location of a natural gas compressor station consisting of two compressor engines, Engine #30 (south) and Engine #31 (north), which are operated under OCD discharge permit GW-344 and located about 5 miles south of Eunice in Lea County, New Mexico. The site is located near the west side of the former Eunice South Gas Plant that has been decommissioned. Chevron USA Inc. is the responsible party for groundwater remediation under the former gas plant which operated under OCD discharge permit GW-003.

LAI collected 5-part composite samples from the bottom of the sump excavations and grab samples from areas where visual staining was present to confirm cleanup adjacent to the foundation at the Engine #31 compressor building. The laboratory reported total petroleum hydrocarbons (TPH) by method SW-8015 in the bottom composite samples below the OCD recommended remediation action level of 1,000 milligrams per kilogram (mg/kg). Chloride was less that 250 mg/kg.

TPH was reported at 28,400 mg/kg for a grab sample collected about 3 feet below ground surface (bgs) on the south sidewall of the Engine #30 sump excavation and 2,412.8 mg/Kg in a sample (NS-5A) near the north side of the Engine #31 compressor building. Further lateral excavation at these locations is not possible due to the concrete foundations which support piping and the building.

The concrete containment of a former below grade tank located near the east central area of the gas plant was inspected and no cracks were observed in the bottom and sidewalls of the concrete.

Based on the documented activities performed at the site, LAI requests approval to closure the sump excavations and concrete containment. The sumps will be closed by filling with clean soil. The concrete containment will be closed by collapsing the upper concrete walls below ground surface into the containment and covered with clean soil.

Sump Closure Report Targa Midstream Services, L.P. GW-344 Lea County, NM May 20, 2010

# 2.0 Operator Information

Primary Contact:	Mr. James Lingnau
Title:	Area Manager
Address:	Targa Midstream Services, L.P.
	Eunice Gas Plant
	PO Box 1909
	Eunice, New Mexico 88231
Office:	575.394.2534
Cell:	575.631-7095
Secondary Contact:	Mr. Cal Wrangham
Title:	Environmental Manager
Address:	Targa Midstream Services, L.P.
	6 Desta Drive, Suite 3300
	Midland, Texas 79705
Office:	432.688.0542
Cell:	432.425.7072

## 3.0 Sump Closure

#### 3.1 Introduction

Larson & Associates, Inc. (LAI), as consultant to Targa Midstream Services, L.P., (Targa), submits this report to the New Mexico Oil Conservation Division (OCD) for approval to close excavations from removal of two concrete drain sumps at the Eunice South Compressor Station (Site) located about 5 miles south of Eunice in Lea County, New Mexico. The Site is the location of a decommissioned gas processing plant and active natural gas compressor station. Targa operate a compressor station under discharge permit number GW-003 that consists of a south (Engine #30) and north (Engine #31) compressor engines located near the west side of the Site. Chevron operates a groundwater remediation system for the decommissioned gas plant under discharge permit GW-003.

Each compressor engine had a concrete drain sump that received natural gas liquids and drips from engine oil that was conveyed via subsurface piping to a central below grade tank located near the east-central area of the gas plant. The Site is located in Unit M (SNW/4, SW/4), Section 11, Township 22 South, Range 37 East, Lea County, New Mexico. The geodetic position is latitude 32.362832° north and longitude 103.159165° west. Figure 1 presents a location and topographic map. Figure 2 presents a Site drawing.

#### 3.2 Background

On May 14, 2009, the OCD Environmental Bureau, located in Santa Fe, New Mexico, issued a letter to Targa that identified several deficiencies based on an inspection that was performed on April 21, 2009. Specifically, the OCD identified surface releases of fluid at two (2) concrete sumps located north of the Engine #30 and south of the Engine #31 compressor buildings and required Targa to remediate soil and identify sources for the releases. The OCD also requested Targa to remediate soil adjacent to the Engine

- North Side (NS-4) 2,340 mg/kg;
- North Side (NS-5) 12,700 mg/kg

TPH (SW 8015) was below the recommended remediation action level of 1,000 mg/kg in the bottom composite samples from the Engine #30 (south) and Engine #31 (north). Chloride was below 250 mg/kg in all samples.

On April 23, 2010, LAI personnel collected a grab sample from approximately 3 feet below ground surface (bgs) on the south side wall of the Engine #30 (south) sump excavation (SS-1A) and north side of the Engine #31 (north) compressor building (NS-5A). The samples were analyzed for TPH by methods 418.1 and SW-8015 (DRO and GRO). TPH (418.1) was reported at 80,100 mg/kg (SS-1A) and 10,600 mg/kg (10,600 mg/kg). TPH (SW-8015) was 28,410 mg/kg (SS-1A) and 2,412.8 mg/kg (NS-5A).

The bottom samples demonstrate that the vertical extent of the impact has been defined but no further lateral exaction was possible at locations SS-1 and NS-5 due to interference from building foundations and subsurface piping.

On November 24, 2009, the concrete of the containment at the former below grade tank location near the east central area of the plant was inspected for cracks after the containment was cleaned. No cracks were observed in the bottom or sidewalls of the containment. Appendix B presents photo documentation. Appendix C presents the initial and final C-141.

# 4.0 Conclusions

Based on the documented activities performed at the site, LAI requests approval to close the sump excavations and concrete containment. The sump excavations will be closed by filling with clean soil. The concrete containment will be closed by collapsing the concrete walls into the containment so that the walls are approximately three (3) feet below ground surface covering with clean soil.

#### Table 1 Targa Midstream Soil Analytical Data Summary South Compressor Station Lea County, New Mexico

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Depth	Date 😥	Benzene	Toluène	Ethylbenzene	Total Xylenes	💭 Total BTEX
ry Limit		10	نه این اور سر از میکند. این این اور سر از محک میکند میل از میکند. وی اور ایر ایر این طرح مامن اور رید از میکند.	ار می اور از می از می اور از می از می از می از می از می از می		50
Bottom	1/6/2010	<0.0229	<0.0458	2.393	0.9177	3.311
SS-1	1/6/2010	2.010	9.806	239.6	52.26	303.7
Bottom	1/6/2010	0.0013	0.0032	0.0061	0.0194	0.0300
NS-1	1/6/2010	<0.0012	<0.0024	<0.0012	<0.0012	<0.0012
NS-2	1/6/2010	0.0074	0.0070	0.0904	0.3135	0.4183
NS-3	1/6/2010	<0.0011	<0.0022	<0.0011	<0.0011	<0.0011
NS-4	1/6/2010	<0.0011	<0.0022	<0.0011	<0.0011	<0.0011
NS-5	1/6/2010	<0.0227	6.522	2.965	15.194	24.681
NS-6	1/6/2010	<0.0011	<0.0022	<0.0011	<0.0011	<0.0011
	Depth y Limit Bottom SS-1 Bottom NS-1 NS-2 NS-3 NS-3 NS-4 NS-5 NS-6	Depth         Date           y Limit         Bottom         1/6/2010           SS-1         1/6/2010           Bottom         1/6/2010           NS-1         1/6/2010           NS-2         1/6/2010           NS-3         1/6/2010           NS-4         1/6/2010           NS-5         1/6/2010           NS-6         1/6/2010	Depth         Date         Benzene           y Limit         10           Bottom         1/6/2010         <0.0229	Depth         Date         Benzene         Toluène           y Limit         10         10         10           Bottom         1/6/2010         <0.0229	Depth         Date         Benzene         Toluène         Ethylbenzene           y Limit         10	Depth         Date         Benzene         Toluène         Ethylbenzene         Total Xylènes           y Limit         10         Constant         10         Constant         Total Xylènes           Bottom         1/6/2010         <0.0229         <0.0458         2.393         0.9177           SS-1         1/6/2010         2.010         9.806         239.6         52.26           Bottom         1/6/2010         0.0013         0.0032         0.0061         0.0194           NS-1         1/6/2010         <0.0012         <0.0024         <0.0012         <0.0012           NS-2         1/6/2010         <0.0074         0.0070         0.0904         0.3135           NS-3         1/6/2010         <0.0011         <0.0022         <0.0011         <0.0011           NS-4         1/6/2010         <0.0011         <0.0022         <0.0011         <0.0011           NS-5         1/6/2010         <0.0277         6.522         2.965         15.194           NS-6         1/6/2010         <0.0011         <0.0022         <0.0011         <0.0011

Notes

Benzene, Toluene, Ethylbenzene and Xylenes analyzed via EPA SW Method 8021B.

All values reported in Milligrams per Kilogram - dry (mg/Kg, parts per million).

Bold indicates the analyte was detected.

Bold and blue indicates the value exceeds NMOCD requirements.

ALL OVERAGES SITUATED NEXT TO STRUCTURES. TOO CLOSE TO REMOVE & VOLUMES FIRE INSIGNIFICANT-CONSON ENVIRONMENTAL ENGINEER 5.25.10

### Table 1 Targa Midstream Soil Boring Analytical Data Summary South Compressor Station Lea County, New Mexico

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Sample ID	Depth	Date	TPH by 418	GRO C6-C12	DRO C12-C28	ТРН - С6-С28	Chlorides
New Mexico Regulato	ry Limit		2,500			1,000	250
Engine 30 (South)	Bottom	1/6/2010	2,000	256	143	399	<4.81
	SS-1	1/6/2010	45,300				<4.89
	SS-1A	4/23/2010	80,100	19,700	8,710	28,410	
Engine 31 (North)	Bottom	1/6/2010	1,250	<18.2	31.4	31.4	8.53
	NS-1	1/6/2010	1,450				6.84
	NS-2	1/6/2010	1,150				<4.73
	NS-3	1/6/2010	687				<4.60
	NS-4	1/6/2010	2,340				<4.57
	NS-5	1/6/2010	12,700				6.63
	NS-5A	4/23/2010	10,600	82.8	2,330	<u>ن من 2,412.8 من من المنابع من من المن من م</u>	
	NS-6	1/6/2010	116				20.4

Notes

Total Petroleum Hydrocarbons analyzed via EPA SW Method 8015 Mod.

All values reported in Milligrams per Kilogram - dry (mg/Kg, parts per million).

Bold indicates the analyte was detected.

Bold and blue indicates the value exceeds NMOCD requirements.





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# Analytical Report 357767

for

Larson & Associates

**Project Manager: Michelle Green** 

Targa South Compressor St.

9-0120

20-JAN-10





12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-08-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002) Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054) New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610) Rhode Island (LAO00308), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046): Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85) Louisiana (04176), USDA (P330-07-00105)

> Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330) Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900) Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-08-TX) Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-08-TX) Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370-08-TX) Xenco-Boca Raton (EPA Lab Code: FL00449): Florida(E86240), South Carolina(96031001), Louisiana(04154), Georgia(917)



20-JAN-10



Project Manager: Michelle Green Larson & Associates P.O. Box 50685 Midland, TX 79710

Reference: XENCO Report No: 357767 Targa South Compressor St. Project Address:

#### Michelle Green:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 357767. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 357767 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II Odessa Laboratory Manager

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# Sample Cross Reference 357767

### Larson & Associates, Midland, TX

Targa South Compressor St.

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Engine 30 (South) Bottom	S	Jan-06-10 10:35		357767-001
Engine 30 (South) SS-1	S	Jan-06-10 10:40		357767-002
Engine 31 (North) Bottom	S	Jan-06-10 11:00		357767-003
Engine 31 (North) NS-1	S	Jan-06-10 11:20		357767-004
Engine 31 (North) NS-2	S	Jan-06-10 11:35		357767-005
Engine 31 (North) NS-3	S	Jan-06-10 11:40		357767-006
Engine 31 (North) NS-4	S	Jan-06-10 11:50		357767-007
Engine 31 (North) NS-5	S	Jan-06-10 12:00		357767-008
Engine 31 (North) NS-6	S	Jan-06-10 12:15		357767-009

### **CASE NARRATIVE**



Client Name: Larson & Associates Project Name: Targa South Compressor St.

Project ID: 9-0120. Work Order Number: 357767 Report Date: 20-JAN-10 Date Received: 01/06/2010

Sample receipt non conformances and Comments: None

Sample receipt Non Conformances and Comments per Sample:

None

#### Analytical Non Conformances and Comments:

Batch: LBA-788572 Percent Moisture None

Batch: LBA-788581 Inorganic Anions by EPA 300 None

Batch: LBA-788827 BTEX by EPA 8021B SW8021BM

Batch 788827, 1,4-Difluorobenzene recovered below QC limits . Matrix interferences is suspected; data confirmed by re-analysis Samples affected are: 357767-003. 4-Bromofluorobenzene recovered above QC limits . Matrix interferences is suspected; data confirmed by re-analysis Samples affected are: 357767-005. 4-Bromofluorobenzene recovered above QC limits . Matrix interferences is suspected; data confirmed by re-analysis Samples affected are: 357767-005. 4-Bromofluorobenzene recovered above QC limits . Matrix interferences is suspected; data confirmed by re-analysis Samples affected are: 357767-008.

SW8021BM

Batch 788827, Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Samples affected are: 357767-006, -003, -008, -004, -007, -005, -009. The Laboratory Control Sample for Toluene, m,p-Xylenes, Benzene, Ethylbenzene, o-Xylene is within laboratory Control Limits

Batch: LBA-7888887 BTEX by EPA 8021B SW8021BM

Batch 788887, 1,4-Difluorobenzene recovered below QC limits . Matrix interferences is suspected; data confirmed by re-analysis Samples affected are: 357767-002.

### CASE NARRATIVE



Client Name: Larson & Associates Project Name: Targa South Compressor St.

Project ID:9-0120Work Order Number:357767

Report Date: 20-JAN-10 Date Received: 01/06/2010

Batch: LBA-789002 TPH by EPA 418.1 None

Batch: LBA-789136 BTEX by EPA 8021B SW8021BM

Batch 789136, 4-Bromofluorobenzene recovered above QC limits . Matrix interferences is suspected; data confirmed by re-analysis Samples affected are: 357767-001 D,357767-001.

SW8021BM Batch 789136, Toluene RPD is outside the QC limit. This is most likely due to sample nonhomogeneity. Samples affected are: 357767-001.

Batch: LBA-789847 TPH By SW8015 Mod None



### Certificate of Analysis Summary 357767

Larson & Associates, Midland, TX

Project Name: Targa South Compressor St.



Project Id: 9-0120 Contact: Michelle Green

**Project Location:** 

Date Received in Lab: Wed Jan-06-10 05:00 pm

Report Date: 20-JAN-10

Project Manager: Brent Barron, II

	Lab Id:	357767-	001	357767-0	002	357767-0	003	357767-	004	357767-0	005	357767-0	006
Analysis Bagy astad	Field Id:	Engine 30 (Sou	ith) Bottom	Engine 30 (Sou	ith) SS-1	Engine 31 (Nort	h) Bottom	Engine 31 (No	rth) NS-1	Engine 31 (Noi	rth) NS-2	Engine 31 (Nor	rth) NS-3
Analysis Kequesieu	Depth:												
	Matrix:	SOIL	_	SOIL		SOIL		SOIL		SOIL		SOIL	,
	Sampled:	Jan-06-10	10 35	Jan-06-10	10 40	Jan-06-10	1 00	Jan-06-10	11 20	Jan-06-10	11 35	Jan-06-10	11 40
Anions by E300	Extracted:												
	Analyzed:	Jan-07-10	12 23	Jan-07-10	12 23	Jan-07-10	12 23	Jan-07-10	12 23	Jan-07-10	12 23	Jan-07-10	12 23
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		ND	4 81	ND	4 89	8 53	5 09	6 84	5 18	ND	4 73	ND	4 60
BTEX by EPA 8021B	Extracted:	Jan-12-10	13 13	Jan-11-10	11 00	Jan-07-10 (	09 55	Jan-07-10	09 55	Jan-07-10 (	09 55	Jan-07-10 09 55	
	Analyzed:	Jan-12-10	13 37	Jan-11-10 2	20 17	Jan-09-10 (	00-14	Jan-08-10	22 24	Jan-08-10 2	22 46	Jan-08-10 2	23 08
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		ND	0 0229	2 010	1 162	0 0013	0 0012	ND	0 0012	0 0074	0 0011	ND	0 0011
Toluene		ND	0 0458	9 806	2 324	0 0032	0 0024	ND	0 0024	0 0070	0 0023	ND	0 0022
Ethylbenzene		2 393	0 0229	239 6	1 162	0 0061	0 0012	ND	0 0012	0 0904	0 0011	ND	0 0011
m,p-Xylenes		0 3828	0 0458	27 05	2 324	0 0134	0 0024	ND	0 0024	0 0710	0 0023	ND	0 0022
o-Xylene		0 5349	0 0229	25 21	1 162	0 0060	0 0012	ND	0 0012	0 2425	0 0011	ND	0 0011
Total Xylenes		0 9177	0 0229	52 26	1 162	0 0194	0 0012	ND	0 0012	0 3135	0 0011	ND	0 0011
Total BTEX		3 311	0 0229	303 7	1 162	0 0300	0 0012	ND	0 0012	0 4183	0 0011	ND	0 0011
Percent Moisture	Extracted:												
	Analyzed:	Jan-07-10	17 00	Jan-07-10	17 00	Jan-07-10	17 00	Jan-07-10	17 00	Jan-07-10	17 00	Jan-07-10	17 00
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		12 7	1 00	14 1	1 00	17 5	1 00	190	1 00	112	1 00	8 65	1 00
TPH By SW8015 Mod	Extracted:	Jan-18-10	10 45			Jan-18-10	10 45						
	Analyzed:	Jan-19-10	03 10			Jan-19-10 (	)3 37						
_	Units/RL:	mg/kg	RL			mg/kg	RL						
C6-C12 Gasoline Range Hydrocarbons		256	173			ND	18 2					1	
C12-C28 Diesel Range Hydrocarbons		143	173			314	18 2						
C28-C35 Oil Range Hydrocarbons		32 2	173			ND	18 2						
Total TPH		431	173			31.4	18 2						

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented Our liability is limited to the amount involced for this work order unless otherwise agreed to in writing

Since 1990 Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America - Atlanta - Corpus Christi

Brent Barron, II

Odessa Laboratory Manager



### Certificate of Analysis Summary 357767

Larson & Associates, Midland, TX

Project Name: Targa South Compressor St.



Project Id: 9-0120

Contact: Michelle Green

**Project Location:** 

Date Received in Lab: Wed Jan-06-10 05:00 pm

Report Date: 20-JAN-10

Project Manager: Brent Barron, II

	Lab Id:	357767-0	01	357767-0	02	357767-0	003	357767-0	004	357767-0	D5	357767-0	06
Analysis Paguastad	Field Id:	Engine 30 (South	Engine 30 (South) Bottom		Engine 30 (South) SS-1		Engine 31 (North) Bottom		th) NS-1	Engine 31 (North) NS-2		Engine 31 (North) NS-3	
Analysis Kequesteu	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jan-06-10 1	0 35	Jan-06-10 1	0 40	Jan-06-10 I	1 00	Jan-06-10 1	1 20	Jan-06-10 1	1 35	Jan-06-10 1	1 40
TPH by EPA 418.1	Extracted:												
	Analyzed:	Jan-12-10 12 38		Jan-12-10 12 38		Jan-12-10 12 38		Jan-12-10 1	2 38	Jan-12-10 1	2 38	Jan-12-10 1	2 38
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
TPH, Total Petroleum Hydrocarbons		2000	114	45300	58 2	1250	12 1	1450	12 3	1150	113	687	10 9

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing

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Brent Barron, II

Odessa Laboratory Manager

Final Ver. 1 000



**Project Location:** 

Project Id: 9-0120

Contact: Michelle Green

### Certificate of Analysis Summary 357767

Larson & Associates, Midland, TX

Project Name: Targa South Compressor St.



Date Received in Lab: Wed Jan-06-10 05:00 pm

Report Date: 20-JAN-10

Project Manager: Brent Barron, II

	Lab Id:	357767-007	357767-008	357767-009		
Analysis Raquestad	Field Id:	Engine 31 (North) NS-4	Engine 31 (North) NS-5	Engine 31 (North) NS-6		
Analysis Requested	Depth:					
	Matrix:	SOIL	SOIL	SOIL		
	Sampled:	Jan-06-10 11 50	Jan-06-10 12 00	Jan-06-10 12 15		
Anions by E300	Extracted:		-			
	Analyzed:	Jan-07-10 12 23	Jan-07-10 12 23	Jan-07-10 12 23		
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL		
Chloride	·	ND 4 57	6 63 4 76	20 4 4 56		
BTEX by EPA 8021B	Extracted:	Jan-07-10 09 55	Jan-07-10 09 55	Jan-07-10 09 55		
	Analyzed:	Jan-08-10 23 30	Jan-09-10 03 54	Jan-08-10 23 52		
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL		
Benzene		ND 0 0011	ND 0 0227	ND 00011		
Toluene		ND 0 0022	6 522 0 0454	ND 00022		
Ethylbenzene		ND 00011	2 965 0 0227	ND 0 0011		
m,p-Xylenes		ND 0 0022	7 501 0 0454	ND 0.0022		
o-Xylene		ND 0 0011	7 693 0 0227	ND 0 0011		
Total Xylenes		ND 0 0011	15 194 0 0227	ND 0 0011		
Total BTEX		ND 0 0011	24 681 0 0227	ND 0.0011		
Percent Moisture	Extracted:					
	Analyzed:	Jan-07-10 17 00	Jan-07-10 17.00	Jan-07-10 17 00		
	Units/RL:	% RL	% RL	% RL		
Percent Moisture		8 03 1 00	11.8 1.00	7 86 1 00		
<b>TPH</b> by EPA 418.1	Extracted:					
	Analyzed:	Jan-12-10 12 38	Jan-12-10 12 38	Jan-12-10 12 38		
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL		
TPH, Total Petroleum Hydrocarbons		2340 10 9	12700 11 3	116 10.9		

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented Our hability is limited to the amount invoiced for this work order unless otherwise agreed to in writing

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Brent Barron, II

Odessa Laboratory Manager

Final Ver 1.000





- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the MQL and above the SQL.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- **H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K Sample analyzed outside of recommended hold time.
- **JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

BRL Below Reporting Limit.

RL Reporting Limit

\* Outside XENCO's scope of NELAC Accreditation.

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Project Name: Targa South Compressor St.

Lab Batch #: / 8882/1         Sample: 34/310-1-0-S/5/RS         Batch: 1         Matrix: 3000           Units: mg/kg         Date Analyzed: 01/08/10 20:33         SURROGATE RECOVERY STUDY           Analytes         Amount [8]         Amount [8]         Recover (90300         Control (107)         Recover (80-120)         Control (107)           1,4-Difluorobenzene         0.0320         0.0300         107         80-120         -           Lab Batch #: 788827         Sample: 547316-1-BSD / BSD         Batch: 1         Matrix: Solid         -           Units: mg/kg         Date Analyzed: 01/08/10 20:56         SURROGATE RECOVERY STUDY         -         -           BTEX by EPA 8021B         Amount Found [A]         True Found [A]         Recovery [B]         Control Linits         Flag: -           1,4-Difluorobenzene         0.0300         101         80-120         -         -           1,4-Difluorobenzene         0.0273         0.0300         91         80-120	Vork Orders: 357767	, , , , , , , , , , , , , , , , , , ,	VC D-4-1	Project II	): 9-0120		
BTEX by EPA 8021B         Amount Found [A]         True Anount [B]         True Anount [B]         Recover Soft [D]         Control Bints; Soft [D]         Control Bints; Soft [D]         Flag: Soft Soft [D]           1,4-Difluorobenzene         0.0320         0.0300         107         80-120           4-Bromofluorobenzene         0.0320         0.0300         107         80-120           Lab Batch #: 788827         Sample; 547316-1-BSD / BSD         Batch:         1         Matrix: Solid           Units: mg/kg         Date Analyzed:         01/08/10 20:56         SURROGATE RECOVERY STUDY         Flag:           Analytes         []]         []]         []]         []]         []]         []]         []]           1.4-Difluorobenzene         0.0303         0.0300         105         80-120           4-Bromofluorobenzene         0.0303         0.0300         105         80-120           Lab Batch #: 788827         Sample: 547316-1-BLK / BLK         Batch:         1         Matrix: Solid           Units: mg/kg         Date Analyzed: 01/08/10 21:41         SURROGATE RECOVERY STUDY         Soft           Analytes         0.0273         0.0300         91         80-120           1.4-Difluorobenzene         0.0273         0.0300         97 <t< th=""><th>Lab Batch #: /8882/ Units: mg/kg</th><th>Sample: 54/510-1-BK5/ BI Date Analyzed: 01/08/10 20:33</th><th>KS Baten</th><th>RROGATE RF</th><th>COVERY S</th><th>STUDY</th><th></th></t<>	Lab Batch #: /8882/ Units: mg/kg	Sample: 54/510-1-BK5/ BI Date Analyzed: 01/08/10 20:33	KS Baten	RROGATE RF	COVERY S	STUDY	
Analytes         IP1         IP1           1.4-Drifloorobenzene         0 0320         0 0300         107         80-120           4-Bromofloorobenzene         0 0297         0 0300         99         80-120           Lab Batch #: 78827         Sample: 547316-1-BSD / BSD         Batch:         1         Matrix: Solid           Units: mg/kg         Date Analyzed: 01/08/10 20:56         SURROGATE RECOVERY STUDY         Limits           BTEX by EPA 8021B         Amount Found         True Amount I         Recovery I         Control Limits         Flag           1.4-Difloorobenzene         0 0316         0.0300         105         80-120         4           Homofloorobenzene         0 0316         0.0300         101         80-120         4           Homofloorobenzene         0 0303         0 0300         101         80-120         4           Lab Batch #: 78827         Sample: 547316-1-BLK / BLK         Batch:         1         Matrix: Solid         4           Units: mg/kg         Date Analyzed: 01/08/10 21:41         SURROGATE RECOVERY STUDY         4         1           Analytes         1         Amount         True Amount         Solid         5         6           1.4-Difloorobenzene         0 0273 <t< th=""><th>BTE</th><th>K by EPA 8021B</th><th>Amount Found [A]</th><th>True Amount [B]</th><th>Recovery %R</th><th>Control Limits %R</th><th>Flags</th></t<>	BTE	K by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
14-Difluorobenzene       0 0320       0 0300       107       80-120         4-Bromofluorobenzene       0 0297       0 0300       99       80-120         Lab Batch #: 788827       Sample: 547316-1-BSD / BSD       Batch:       1       Matrix: Solid         Units: mg/kg       Date Analyzed: 01/08/10 20:56       SURROGATE RECOVERY STUDY         BTEX by EPA 8021B       Amount Found [14]       True [19]       Control [19]       Limits %R       Flag         1.4-Difluorobenzene       0 0316       0.0300       101       80-120       -         4-Bromofluorobenzene       0 0316       0.0300       101       80-120       -         4-Bromofluorobenzene       0 0316       0.0300       101       80-120       -         Lab Batch #: 788827       Sample: 547316-1-BLK / BLK       Batch:       1       Matrix: Solid       -         Units: mg/kg       Date Analyzed: 01/08/10 21:41       SURROGATE RECOVERY STUDY       -       -         J.4-Difluorobenzene       0 0273       0 0300       91       80-120       -         1.4-Difluorobenzene       0 0273       0 0300       97       80-120       -         J.4-Difluorobenzene       0 0273       0 0300       97       80-120       - </td <td></td> <td>Analytes</td> <td></td> <td></td> <td>וען</td> <td></td> <td>ļ</td>		Analytes			וען		ļ
4-Bromofiluorobenzene         0 0297         0 0300         99         80-120           Lab Batch #: 788827         Sample: 547316-1-BSD / BSD         Batch:         1         Matrix: Solid           Units: mg/kg         Date Analyzed: 01/08/10 20:56         SURROGATE RECOVERY STUDY         Famount         Recovery         Limits:         %R         I         I         Plag         I	1,4-Dıfluorobenzene		0 0320	0 0300	107	80-120	ļ
Lab Batch #: 788827         Sample: 547316-1-BSD / BSD         Batch:         1         Matrix: Solid           Units: mg/kg         Date Analyzed:         01/08/10 20:56         SURROGATE         RECOVERY STUDY           BTEX by EPA 8021B         Amount [A]         True [B]         Recovery % R         Control 5% R         Flags           1.4-Difluorobenzene         00316         0.0300         105         80-120         -           Lab Batch #: 788827         Sample: 547316-1-BLK / BLK         Batch:         1         Matrix: Solid         -           Units: mg/kg         Date Analyzed:         01/08/10 21:41         SURROGATE         Recovery % R         Control 80-120         -           Manaytes         1/4-Difluorobenzene         00273         00300         91         80-120         -           Manaytes         00273         00300         91         80-120         -         -           1.4-Difluorobenzene         00273         00300         91         80-120         -         -           1.4-Difluorobenzene         00273         00300         91         80-120         -         -           1.4-Difluorobenzene         00273         00300         91         80-120         -         -	4-Bromofluorobenzene		0 0297	0 0300	99	80-120	<u>.</u>
Units: mg/kg         Date Analyzed: 01/08/10 20:56         SURROGATE RECOVERY STUDY           BTEX by EPA 8021B         Amount Found [A]         True Amount [B]         Recovery %R         Control issue %R         Flag:           1.4-Difluorobenzene         0 0316         0.0300         105         80-120         -           4.Bromofluorobenzene         0 0316         0.0300         101         80-120         -           Lab Batch #: 788827         Sample: 547316-1-BLK / BLK         Batch: 1         Matrix: Solid         -           Units: mg/kg         Date Analyzed: 01/08/10 21:41         SURROGATE RECOVERY STUDY         -         -           BTEX by EPA 8021B         Amount [A]         True Amount [A]         Recovery %R         Control Limits %R         Flag:           1.4-Difluorobenzene         0 0273         0 0300         91         80-120         -           1.4-Difluorobenzene         0 0273         0 0300         97         80-120         -           Lab Batch #: 788827         Sample: 357767-004 / SMP         Batch: 1         Matrix: Soil         -           Lab Batch #: 788827         Sample: 357767-005 / SMP         Batch: 1         Matrix: Soil         -           1.4-Difluorobenzene         0 0265         0 0300         97         80	Lab Batch #: 788827	Sample: 547316-1-BSD / B	SD Batel	h: 1 Matrix:	Solid		
BTEX by EPA 8021B Analytes         Amount Found [A]         True Amount [B]         True Amount [B]         Recovery %R [D]         Control %R %R         Flag           1.4-Drfluorobenzene         0.0316         0.0300         105         80-120         -           4-Bromofluorobenzene         0.0316         0.0300         101         80-120         -           Lab Batch #: 788827         Sample: 547316-1-BLK / BLK         Batch:         1         Matrix: Solid         -           BTEX by EPA 8021B         Amount [A]         True Amount [A]         True Amount [B]         Recovery %R         Control Limits %R         Flagg           1.4-Drfluorobenzene         0.0273         0.0300         91         80-120         -           4-Bromofluorobenzene         0.0292         0.0300         91         80-120         -           Lab Batch #: 788827         Sample: 357767-004 / SMP         Batch:         1         Matrix: Soil         -           Lab Batch #: 788827         Sample: 357767-004 / SMP         Batch:         1         Matrix: Soil         -           1.4-Drfluorobenzene         0.0265         0.0300         88         80-120         -           1.4-Drfluorobenzene         0.0265         0.0300         97         80-120 <t< td=""><td>Units: mg/kg</td><td>Date Analyzed: 01/08/10 20:56</td><td>SU!</td><td><b>RROGATE RF</b></td><td>COVERY S</td><td>STUDY</td><td></td></t<>	Units: mg/kg	Date Analyzed: 01/08/10 20:56	SU!	<b>RROGATE RF</b>	COVERY S	STUDY	
I.A.D.H. Jord         O.0316         O.0300         105         80-120           ABromofluorobenzene         0.0303         0.0300         101         80-120           Lab Batch #: 788827         Sample: 547316-1-BLK / BLK         Batch::         1         Matrix: Solid           Units:: mg/kg         Date Analyzed: 01/08/10 21:41         SURROGATE RECOVERY STUDY         Ecovery         Linits           BTEX by EPA 8021B         Amount [A]         Found [A]         True Amount [B]         Recovery         Control Linits         Flag           4-Bromofluorobenzene         0.0273         0.0300         91         80-120           4-Bromofluorobenzene         0.0273         0.0300         91         80-120           4-Bromofluorobenzene         0.0273         0.0300         97         80-120           4-Bromofluorobenzene         0.0292         0.0300         97         80-120           Lab Batch #: 788827         Sample: 357767-004 / SMP         Batch::         1         Matrix: Soil           Units: mg/kg         Date Analyzed: 01/08/10 22:24         SURROGATE RECOVERY STUDY         Linits           Analytes         0         0.0265         0.0300         97         80-120           1.4-Drtiluorobenzene         0.0291 <t< th=""><th>втеу</th><th>X by EPA 8021B</th><th>Amount Found [A]</th><th>True Amount [B]</th><th>Recovery %R [D]</th><th>Control Limits %R</th><th>Flags</th></t<>	втеу	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Information         Instruction         Instruction <thinstruction< th=""> <thinstruction< th=""></thinstruction<></thinstruction<>	1 4-Difluorobenzene	Anarytes	0.0316	0.0300	105	80-120	
Lab Batch #: 788827         Sample: 547316-1-BLK / BLK         Batch:         1         Matrix: Solid           Units: mg/kg         Date Analyzed: 01/08/10 21:41         SURROGATE RECOVERY STUDY         Flag:           BTEX by EPA 8021B         Amount [A]         Amount [A]         True Amount [B]         Recovery %R         Control Limits: %R           1.4-Drfluorobenzene         0 0273         0 0300         91         80-120           4-Bromofluorobenzene         0 0292         0.0300         97         80-120           Lab Batch #: 788827         Sample: 357767-004 / SMP         Batch:         1         Matrix: Soil           Units: mg/kg         Date Analyzed: 01/08/10 22:24         SURROGATE RECOVERY STUDY         Flag:           BTEX by EPA 8021B         Amount Found [A]         True Amount [A]         Recovery [B]         Control Limits         Flag:           1.4-Drfluorobenzene         0 0265         0 0300         88         80-120           Analytes         0 0265         0 0300         97         80-120           Lab Batch #: 788827         Sample: 357767-005 / SMP         Batch:         1         Matrix: Soil           Limits         mount [A]         Flag:         %R         Flag:           Manalytes         Date Analyzed: 01/08/10 22	4-Bromofluorobenzene		0.0303	0.0300	101	80-120	[
Lab Batch #: 7882/         Sample: 34/310-1-DLK / DLK         Date:: 1         Matrix: 3000           Units: mg/kg         Date Analyzed: 01/08/10 21:41         SURROGATE RECOVERY STUDY           BTEX by EPA 8021B         Amount [A]         True [A]         Recovery (B]         Control %R (D]         Flag           1.4-Diffuorobenzene         0 0273         0 0300         91         80-120         40-120           4-Bromoffuorobenzene         0 0273         0 0300         97         80-120         40-120           Lab Batch #: 788827         Sample: 357767-004 / SMP         Batch:         1         Matrix: Soil         50-120           Lab Batch #: 788827         Sample: 357767-004 / SMP         Batch:         1         Matrix: Soil         50-120           Lab Batch #: 788827         Sample: 357767-004 / SMP         Batch:         1         Matrix: Soil         50-120           Lab Batch #: 788827         Sample: 357767-005 / SMP         Batch:         1         Matrix: Soil         50-120           Lab Batch #: 788827         Sample: 357767-005 / SMP         Batch:         1         Matrix: Soil         50-120           Lab Batch #: 788827         Sample: 357767-005 / SMP         Batch:         1         Matrix: Soil         50-120           Lab Batch #: 788827 <td>- + - + - +</td> <td></td> <td></td> <td>· 1 Matrix</td> <td>0-1:4</td> <td></td> <td></td>	- + - + - +			· 1 Matrix	0-1:4		
Units: mg/kg         Date Analyzed: 01/08/10 21:41         State Analyzed: 01/08/10 21:41         Amount Found [A]         True Amount [B]         Recovery %kR         Control Limits         Flag           Analytes         0 0273         0 0300         91         80-120         -           1.4-Difluorobenzene         0 0273         0 0300         91         80-120         -           4-Bromofluorobenzene         0 0292         0.0300         97         80-120         -           Lab Batch #: 788827         Sample: 357767-004 / SMP         Batch: 1         Matrix: Soil         -           BTEX by EPA 8021B         Amount Found [A]         True Found [A]         Recovery [D]         Control Limits         -           J.4-Difluorobenzene         0 0265         0 0300         88         80-120         -           I.4-Difluorobenzene         0 0265         0 0300         97         80-120         -           I.4-Difluorobenzene         0 0265         0 0300         97         80-120         -           Lab Batch #: 788827         Sample: 357767-005 / SMP         Batch: 1         Matrix:Soil         -           Lab Batch #: 788827         Sample: 357767-005 / SMP         Batch: 1         Matrix:Soil         -           Linits: mg/kg	Lab Batch #: /00027	Sample: J4/J10-1-JLA/		h: I Mains.	Solia	STUDY	
BTEX by EPA 8021B         Amount Found [A]         True Amount [A]         True Amount [B]         Recovery %R [D]         Control Limits %R         Flag           1,4-Difluorobenzene         0 0273         0 0300         91         80-120            4-Bromofluorobenzene         0 0292         0.0300         97         80-120            Lab Batch #: 788827         Sample: 357767-004 / SMP         Batch: 1         Matrix:Soil            Lab Batch #: 788827         Sample: 357767-004 / SMP         Batch: 1         Matrix:Soil            BTEX by EPA 8021B         Amount [A]         True Amount [A]         Recovery %R         Control Limits %R         Flag           1,4-Difluorobenzene         0 0265         0 0300         97         80-120            1,4-Difluorobenzene         0 0265         0 0300         97         80-120            1,4-Difluorobenzene         0 0291         0 0300         97         80-120            Lab Batch #: 788827         Sample: 357767-005 / SMP         Batch: 1'         Matrix: Soil            Linits: mg/kg         Date Analyzed: 01/08/10 22:46         SURROGATE RECOVERY STUDY             BTEX by EPA 8021B         Amount [A]	Units: mg/kg	Date Analyzed: 01/08/10 21:41		THE REAL PRODUCTION IN THE REAL PRODUCTION INTERPOCTATION INTERPOCTATICA PRODUCTICA PRODUCTICA PRODUCTICA PRODU			<del></del>
Analytes         Image: Control barger         Image: Control barger         Image: Control barger         Recovery for the control barger         Recovery for the control barger         Control barger         Flags           4-Bromofluorobenzene         0 0222         0.0300         91         80-120         0           4-Bromofluorobenzene         0 0292         0.0300         97         80-120         0           Lab Batch #: 788827         Sample: 357767-004 / SMP         Batch: 1         Matrix: Soil         0           Units: mg/kg         Date Analyzed: 01/08/10 22:24         SURROGATE RECOVERY STUDY         Control Limits         Flags           Manalytes         Amount Found (B)         Amount Found (B)         Recovery %R         Control Limits         Flags           1,4-Difluorobenzene         0 0265         0 0300         88         80-120         0           1,4-Difluorobenzene         0 0265         0 0300         97         80-120         0           Lab Batch #: 788827         Sample: 357767-005 / SMP         Batch: 1         Matrix: Soil         0           Units: mg/kg         Date Analyzed: 01/08/10 22:46         SURROGATE RECOVERY STUDY         0         0           BTEX by EPA 8021B         Amount Found (A)         Bmount (B)         Recovery %R <td< td=""><td>BTEX</td><td>K by EPA 8021B</td><td>Amount Found [A]</td><td>True Amount [B]</td><td>Recovery %R</td><td>Control Limits %R</td><td>Flags</td></td<>	BTEX	K by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
1,4-Difluorobenzene         0 02/3         0 0300         91         80-120           4-Bromofluorobenzene         0 0292         0.0300         97         80-120           Lab Batch #: 788827         Sample: 357767-004 / SMP         Batch:         1         Matrix: Soil           Units: mg/kg         Date Analyzed: 01/08/10 22:24         SURROGATE RECOVERY STUDY         Flag:           BTEX by EPA 8021B         Amount [A]         True [A]         Recovery [B]         Control Limits %R         Flag:           1,4-Difluorobenzene         0 0265         0 0300         88         80-120            Lab Batch #: 788827         Sample: 357767-005 / SMP Units: mg/kg         Batch:         1         Matrix: Soil            BTEX by EPA 8021B         Amount [A]         SURROGATE RECOVERY STUDY             Lab Batch #: 788827         Sample: 357767-005 / SMP Units: mg/kg         Batch:         1         Matrix: Soil            BTEX by EPA 8021B         Amount [A]         True [A]         Recovery %R         Control Limits %R         Flag:           1,4-Difluorobenzene         0 0258         0.0300         86         80-120            4-Bromofluorobenzene         0 0258         0.0300         86         8		Analytes	ļ	0.0000			<b> </b>
4-Bromofluorobenzene         0.0292         0.0300         97         80-120           Lab Batch #: 788827         Sample: 357767-004 / SMP         Batch:         I         Matrix: Soil           Units: mg/kg         Date Analyzed: 01/08/10 22:24         SURROGATE RECOVERY STUDY         Control           BTEX by EPA 8021B         Amount Found [Analytes         True [B]         Recovery %R         Control Limits         Flag:           1,4-Difluorobenzene         0 0265         0 0300         88         80-120            4-Bromofluorobenzene         0 0265         0 0300         97         80-120            Lab Batch #: 788827         Sample: 357767-005 / SMP Units: mg/kg         Batch:         1         Matrix: Soil            BTEX by EPA 8021B         Amount Found [Analytes         True Analytes         Control Limits             1,4-Difluorobenzene         01/08/10 22:46         SURROGATE RECOVERY STUDY             BTEX by EPA 8021B         Amount Found [A]         True Analytes         True Mecovery NR          Flag:           1,4-Difluorobenzene         0 0258         0.0300         86         80-120            4-Bromofluorobenzene         0 0258         0.0300	1,4-Difluorobenzene		0 0273	0.0300	91	80-120	<b> </b>
Lab Batch #: 788827         Sample: 357767-004 / SMP         Batch:         I         Matrix: Soil           Units: mg/kg         Date Analyzed: 01/08/10 22:24         SURROGATE RECOVERY STUDY           BTEX by EPA 8021B         Amount [A]         True [B]         Recovery %R [D]         Control Limits %R         Flags           Analytes         0 0265         0 0300         88         80-120         Control         Flags           1,4-Difluorobenzene         0 0265         0 0300         88         80-120         Control         Flags           Units: mg/kg         Date Analyzed: 01/08/10 22:46         Sumple: 357767-005 / SMP         Batch:         1         Matrix: Soil           Lab Batch #: 788827         Sample: 357767-005 / SMP         Batch:         1         Matrix: Soil         Sumple: Soil           Lab Batch #: 788827         Sample: 357767-005 / SMP         Batch:         1         Matrix: Soil         Sumple: Soil           BTEX by EPA 8021B         Amount Found [A]         True [B]         Recovery %R         Control Limits %R         Flags           J.4-Difluorobenzene         O 0258         O.0300         86         80-120         Sumple: Soil           Lab Batch #: 788827         Sample: 357767-005 / SMP         Guida Analytes         Recovery (B]         S	4-Bromotluorobenzene		0 0292	0.0300	97	80-120	<u> </u>
Units: mg/kgDate Analyzed: 01/08/10 22:24SURROGATE RECOVERY STUDYBTEX by EPA 8021BAmount Found [A]True Amount [B]Recovery %R [D]Control Limits %R %RFlags1,4-Dtfluorobenzene0 02650 03008880-1204-Bromofluorobenzene0 02910 03009780-120Lab Batch #: 788827Sample: 357767-005 / SMP Date Analyzed: 01/08/10 22:46Batch:1Matrix: SoilUnits: mg/kgDate Analyzed: 01/08/10 22:46SURROGATE RECOVERY STUDYFlagsBTEX by EPA 8021BAmount Found [A]True Amount [B]Recovery %R %RControl Limits %R1,4-Dtfluorobenzene0 02580.03008680-1201,4-Dtfluorobenzene0 02580.03008680-120	Lab Batch #: 788827	Sample: 357767-004 / SMP	Bate	h: 1 Matrix:	Soil		
BTEX by EPA 8021BAmount Found [A]True Amount [B]Recovery %R [D]Control Limits %RFlags1,4-Difluorobenzene0 02650 03008880-12004-Bromofluorobenzene0 02910 03009780-1200Lab Batch #: 788827Sample: 357767-005 / SMP Date Analyzed: 01/08/10 22:46Batch:1Matrix: Soil50-120Lab Batch #: 788827Sample: 357767-005 / SMP Date Analyzed: 01/08/10 22:46Batch:1Matrix: Soil50-120BTEX by EPA 8021BAmount Found  A True  B Recovery %R  D Control Limits %RFlags1,4-Difluorobenzene0 02580.03008680-1204-Bromofluorobenzene0 62750 0300209280-120	Units: mg/kg	Date Analyzed: 01/08/10 22:24	SU	RROGATE RE	ECOVERY S	STUDY	
I.4-Difluorobenzene       0 0265       0 0300       88       80-120         4-Bromofluorobenzene       0 0291       0 0300       97       80-120         Lab Batch #: 788827       Sample: 357767-005 / SMP       Batch:       1       Matrix: Soil         Units: mg/kg       Date Analyzed: 01/08/10 22:46       SURROGATE RECOVERY STUDY         BTEX by EPA 8021B       Amount  A        True Amount  A        Recovery %R       Control Limits %R       Flags         1,4-Difluorobenzene       0 0258       0.0300       86       80-120         4-Bromofluorobenzene       0 6275       0 0300       2092       80-120	втеу	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene         0 0291         0 0300         97         80-120           Lab Batch #: 788827         Sample: 357767-005 / SMP         Batch:         1         Matrix: Soil           Units: mg/kg         Date Analyzed: 01/08/10 22:46         SURROGATE         RECOVERY STUDY           BTEX by EPA 8021B         Amount [A]         True [B]         Recovery %R [D]         Control Limits %R         Flag:           1,4-Difluorobenzene         0 0258         0.0300         86         80-120           4-Bromofluorobenzene         0 6275         0 0300         2092         80-120	1.4-Difluorobenzene	Anaryus	0.0265	0.0300	88	80-120	
Lab Batch #: 788827         Sample: 357767-005 / SMP         Batch:         1         Matrix: Soil           Units: mg/kg         Date Analyzed: 01/08/10 22:46         SURROGATE RECOVERY STUDY           BTEX by EPA 8021B         Amount [A]         True Amount [B]         Recovery %R [D]         Control Limits %R         Flags           1,4-Difluorobenzene         0 0258         0.0300         86         80-120         **	4-Bromofluorobenzene		0 0291	0 0300	97	80-120	
Units: mg/kgDate Analyzed: 01/08/10 22:46SURROGATE RECOVERY STUDYBTEX by EPA 8021BAmount Found  A True (B]Recovery %R [D]Control Limits %RAnalytes.0 02580.03008680-1204-Bromofluorobenzene0 62750 0300209280-120**	Lab Ratch #• 788827	Sample: 357767-005 / SMP	Bate	h 1 Matrix	l • Soil	<u>]</u>	L
BTEX by EPA 8021B         Amount Found  A          True Amount  A          Recovery  B          Control Limits %R         Flags           1,4-Difluorobenzene         0 0258         0.0300         86         80-120         **	Lab Daten w. rosse	Date Analvzed: 01/08/10 22:46	SU	RROGATE RI	ECOVERY	STUDY	
1,4-Difluorobenzene         0 0258         0.0300         86         80-120           4-Bromofluorobenzene         0 6275         0 0300         2092         80-120         **	BTE	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene 0 6275 0 0300 2092 80-120 **	1,4-Dıfluorobenzene		0 0258	0.0300	86	80-120	
	4-Bromofluorobenzene		0 6275	0 0300	2092	80-120	**

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits, data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B All results are based on MDL and validated for QC purposes.



Project Name: Targa South Compressor St.

Vork Orders : 357767	, Sourcher 357767-006 / SMP	Pote	Project II	<b>):</b> 9-0120 Soil					
Units: mg/kg	Date Analyzed: 01/08/10 23:08	SU	RROGATE RE	ECOVERY S	STUDY	,			
BTE	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags			
	Analytes			[D]					
1,4-Difluorobenzene		0 0278	0 0300	93	80-120				
4-Bromofluorobenzene		0 0342	0 0300	114	80-120				
Lab Batch #: 788827	Sample: 357767-007 / SMP	Batel	h: 1 Matrix:	Soil					
Units: mg/kg	Date Analyzed: 01/08/10 23:30	SU	RROGATE RI	ECOVERY S	STUDY				
BTE	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
1,4-Difluorobenzene		0 0272	0 0300	91	80-120				
4-Bromofluorobenzene		0.0318	0 0300	106	80-120				
Lab Batch #: 788827	Sample: 357767-009 / SMP	Bate	h; <sup>1</sup> Matrix:	Soil					
Units: mg/kg	Date Analyzed: 01/08/10 23:52	SURROGATE RECOVERY STUDY							
BTE	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
1.4-Difluorobenzene		0 0272	0.0300	91	80-120				
4-Bromofluorobenzene		0.0322	0 0300	107	80-120				
Lab Batch #: 788827	Sample: 357767-003 / SMP	Batc	h: 1 Matrix	Soil					
Units: mg/kg	Date Analyzed: 01/09/10 00:14	SU	RROGATE RI	ECOVERY	STUDY				
BTEX	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags			
1.4 Difluorationgana	Analytes	0.0217	0.0200	70	80.120	**			
4-Bromofluorobenzene		0.0318	0.0300	106	80-120				
	C 257767.009 / SMD	0.0518 		Soil	00-120				
Lab Batch #: /8882/	Sample: 357767-0087 SMP	Bate	RROCATE RI	COVERV	STUDY				
Units: mg/kg	Date Analyzed: 01/09/10 03:54					(			
BTE	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
1,4-Dıfluorobenzene	-	0.0338	0.0300	113	80-120				
4-Bromofluorobenzene		0.1465	0.0300	488	80-120	**			

\* Surrogate outside of Laboratory QC limits
\*\* Surrogates outside limits, data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

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Surrogate Recovery [D] = 100 \* A / BAll results are based on MDL and validated for QC purposes.



Project Name: Targa South Compressor St.

/ork Orders : 357767	', Sample: 357767-004 S / MS	S Batel	Project ID	): 9-0120 Soil		
Units: mg/kg	Date Analyzed: 01/09/10 05:43	SU'	RROGATE RE	COVERY S	STUDY	
втеу	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
	Analytes			וען		
1,4-Difluorobenzene		0 0283	0 0300	94	80-120	
4-Bromofluorobenzene		0.0297	0 0300	99	80-120	
Lab Batch #: 788827	<b>Sample:</b> 357767-004 SD / M	ASD Batel	h: 1 Matrix:	Soil		
Units: mg/kg	Date Analyzed: 01/09/10 06:05	SU	RROGATE RE	COVERY S	STUDY	
BTEX	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Dıfluorobenzene		0 0288	0 0300	96	80-120	i
4-Bromofluorobenzene		0 0293	0 0300	98	80-120	
Lah Batch #: 788887	Sample: 547343-1-BKS / B	KS Batc'	h: 1 Matrix:	Solid	<u> </u>	
Units: mg/kg	Date Analyzed: 01/11/10 10:37	SU	RROGATE RE	COVERY	STUDY	
BTE	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
	Analytes			[D]		i
1,4-Difluorobenzene		0 0315	0 0300	105	80-120	
4-Bromofluorobenzene		0 0302	0 0300	101	80-120	<u> </u>
Lab Batch #: 788887	Sample: 547343-1-BSD / B <sup>e</sup>	SD Bate	h: 1 Matrix:	Solid		
Units: mg/kg	Date Analyzed: 01/11/10 11:00	SU	RROGATE RE	COVERY	STUDY	
BTE	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B] ·	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene		0 0313	0 0300	104	80-120	
4-Bromofluorobenzene		0 0301	0 0300	100	80-120	
Lah Batch #: 788887	Sample: 547343-1-BLK / B	LK Batc	h: 1 Matrix:	· Solid	<u> </u>	1
Units: mg/kg	Date Analyzed: 01/11/10 12:08	SU	RROGATE RF	COVERY	STUDY	
BTE:	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene		0 0268	0 0300	89	80-120	
4-Bromofluorobenzene		0 0311	0 0300	104	80-120	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits, data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B

All results are based on MDL and validated for QC purposes



Project Name: Targa South Compressor St.

, Samula, 357767-002 / SMP	Data	Project II	<b>):</b> 9-0120		
Date Analyzed: 01/11/10 20:17	SU	RROGATE RE	ECOVERY S	STUDY	<u>.                                    </u>
( by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			ַנטן 		
	0 0190	0 0300	63	80-120	**
	0 0345	0 0300	115	80-120	
Sample: 358110-001 S / MS	Batel	h: 1 Matrix:	: Soil		_
Date Analyzed: 01/11/10 22:10	SU	RROGATE RE	ECOVERY	STUDY	
K by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
	0 0289	0 0300	96	80-120	
	0 0285	0 0300	95	80-120	
Sample: 358110-001 SD / N	ISD Bate	h: 1 Matrix:	Soil	<u> </u>	
Date Analyzed: 01/11/10 22:33	SU	RROGATE RE	ECOVERY	STUDY	
( by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
	0 0303	0 0300	101	80-120	
	0.0289	0.0300	96	80-120	
Sample: 547471-1-BKS / B	KS Batel	h: <u>1</u> Matrix:	Solid		
Date Analyzed: 01/12/10 11:43	SU	RROGATE RE	ECOVERY	STUDY	
( by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
	0.0317	0.0300	106	80-120	
	0 0289	0 0300	96	80-120	
	SD Batc	h: 1 Matrix:	Solid		
Date Analyzed: 01/12/10 12:05	SU	RROGATE RI	ECOVERY	STUDY	
( by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1111119000	1				
A him	0.0324	0.0300	108	80-120	
	Sample: 357767-002 / SMP Date Analyzed: 01/11/10 20:17 Sy EPA 8021B Analytes Sample: 358110-001 S / MS Date Analyzed: 01/11/10 22:10 Sy EPA 8021B Analytes Sample: 358110-001 SD / M Date Analyzed: 01/11/10 22:33 Sy EPA 8021B Analytes Sample: 547471-1-BKS / B Date Analyzed: 01/12/10 11:43 Sy EPA 8021B Analytes Sample: 547471-1-BKS / B Date Analyzed: 01/12/10 11:43 Sy EPA 8021B Analytes	Sample:         357767-002 / SMP         Batel           Date Analyzed:         01/11/10         20:17         SU           Sup EPA 8021B         Amount Found [A]         Amount Found [A]           Analytes         00190         00345           Sample:         358110-001 S / MS         Batel           Date Analyzed:         01/11/10         22:10         SU           K by EPA 8021B         Amount Found [A]         Amount Found [A]           Analytes         00289         00285           Sample:         358110-001 SD / MSD         Batel           Date Analyzed:         01/11/10         22:33         SU           K by EPA 8021B         Amount Found [A]         Amount Found [A]           Analytes         0         0303         0.0289           Sample:         547471-1-BKS / BKS         Batel           Date Analyzed:         01/12/10         11:43         SU           K by EPA 8021B         Amount Found [A]         Amount Found [A]         SU           Analytes         00317         00289         Sample:         547471-1-BSD / BSD           Sample:         547471-1-BSD / BSD         Bate         Mount Found [A]         Amount Found [A]	Project II           Sample: 357767-002 / SMP         Batch:         1         Matrix:           Date Analyzed: 01/11/10 20:17         SURROGATE RI         Amount         True           \$ by EPA 8021B         Amount         Image:	Project ID: 9-0120 Batch: 1 Matrix: SoilDate Analyzed: 01/11/10 20:17SURROGATE RECOVERY Sby EPA 8021BAmount Found [A]True Amount [B]Recovery %RAnalytes0 01900 0300630 01900 0300630 03450 0300115Sample: 358110-001 S / MSBatch: 1 Matrix: SoilMatrix: SoilDate Analyzed: 01/11/10 22:10SURROGATE RECOVERY S(by EPA 8021BAmount Found [A]True (B]Recovery %RAnalytes0 02890 0300960 02890 030095Sample: 358110-001 SD / MSDBatch: 1 Matrix: SoilMatrix: SoilDate Analyzed: 01/11/10 22:33SURROGATE RECOVERY S(by EPA 8021BAmount Found [A]True [B]Recovery %RAnalytes0 02890 030096Sample: 358110-001 SD / MSDBatch: 1 Matrix: SoilMatrix: SoilDate Analyzed: 01/11/10 22:33SURROGATE RECOVERY S(by EPA 8021BAmount Found [A]True [B]Recovery %RAnalytes0 03030 030096Sample: 547471-1-BKS / BKSBatch: 1 Matrix: SolidMatrix: SolidDate Analyzed: 01/12/10 11:43SURROGATE RECOVERY S(by EPA 8021BAmount Found [A]True Amount [B]Recovery %R(by EPA 8021BAmount Found [A]True Amount [B]Recovery %R(by EPA 8021BAmount Found [A]True<	Project ID: 9-0120 Batch:         I Matrix: Soil           Date Analyzed:         01/11/10 20:17         SURROGATE RECOVERY STUDY           C by EPA 8021B         Amount Found         True Amount [A]         Recovery [IP]         Control Limits           Analytes         0 0190         0 0300         63         80-120           0 0345         0 0300         115         80-120           Sample:         358110-001 S / MS         Batch:         1         Matrix: Soil           Date Analyzed:         0/11/10 22:10         SURROGATE RECOVERY STUDY         Control Limits           K by EPA 8021B         Amount Found         True Amount [A]         Recovery [B]         Control Limits           Analytes         0 0289         0 0300         96         80-120           Sample:         358110-001 SD / MSD         Batch:         1         Matrix: Soil           Date Analyzed:         01/11/10 22:33         SURROGATE RECOVERY STUDY         Limits           K by EPA 8021B         Amount [A]         True Amount [B]         Recovery %R         Control Limits           Analytes         0/11/1/10 22:33         SURROGATE RECOVERY STUDY         Control Limits           K by EPA 8021B         Amount [A]         True Amount [A]

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits, data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / BAll results are based on MDL and validated for QC purposes



Project Name: Targa South Compressor St.

Vork Orders : 357767	7, Sample: 547471-1-BLK / B	I.K Batch	Project II	D: 9-0120 • Solid		
Units: mg/kg	Date Analyzed: 01/12/10 13:15	SUI	RROGATE RI	ECOVERY	STUDY	·
BTE	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
	Analytes					
1,4-Difluorobenzene		0 0270	0.0300	90	80-120	
4-Bromofluorobenzene		0 0323	0 0300	108	80-120	
Lab Batch #: 789136	Sample: 357767-001 / SMP	Batch	n: <sup>1</sup> Matrix	:Soil		
Units: mg/kg	Date Analyzed: 01/12/10 13:37	SUI	RROGATE R	ECOVERY	STUDY	
BTE	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Dıfluorobenzene		0 0249	0 0300	83	80-120	
4-Bromofluorobenzene		0 0599	0 0300	200	80-120	**
Lah Batch #: 789136	Sample: 357767-001 D / M	D Batch	n: 1 Matrix	: Soil	<b>I</b>	I
Units: mg/kg	Date Analyzed: 01/12/10 16:01	SUI	RROGATE R	ECOVERY	STUDY	
BTE	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene		0 0244	0 0300	81	80-120	
4-Bromofluorobenzene		0 0642	0 0300	214	80-120	**
Lab Batch #: 789847	Sample: 547892-1-BKS / B	KS Batch	n: <sup>1</sup> Matrix	: Solid		1
Units: mg/kg	Date Analyzed: 01/19/10 00:28	SUI	RROGATE R	ECOVERY	STUDY	
ТРН	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
	Analytes			[D]		
1-Chlorooctane		92 3	101	91	70-135	
o-Terphenyl		41 8	50 3	83	70-135	
Lab Batch #: 789847	Sample: 547892-1-BSD / B	SD Batch	n: 1 Matrix	:Solid		
Units: mg/kg	Date Analyzed: 01/19/10 00:55	SUI	RROGATE R	ECOVERY	STUDY	
TPH	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
				•		1
1-Chlorooctane		109	99.5	110	70-135	

\* Surrogate outside of Laboratory QC limits
\*\* Surrogates outside limits, data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / BAll results are based on MDL and validated for QC purposes



Project Name: Targa South Compressor St.

<b>/ork Orders :</b> 357767	,		Project IE	<b>):</b> 9-0120		
Lab Batch #: /8984/	Sample: 54/892-1-BLN / B Date Analyzed: 01/19/10 01:22	SU	RROGATE RE	COVERY S	STUDY	
TPH I	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
	Analytes			[D]		
1-Chlorooctane		77 9	100	78	70-135	
o-Terphenyl		44 4	50 1	89	70-135	
Lab Batch #: 789847	Sample: 357767-001 / SMP	Bate	h: 1 Matrix:	Soil		
Units: mg/kg	Date Analyzed: 01/19/10 03:10	SU	RROGATE RE	ECOVERY S	STUDY	
ТРН І	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		87 3	101	86	70-135	
o-Terphenyl		44 7	50.3	89	70-135	
Lab Batch #: 789847	Sample: 357767-003 / SMP	Batc	h: 1 Matrix:	Soil		
Units: mg/kg	Date Analyzed: 01/19/10 03:37	SU	<b>RROGATE RI</b>	ECOVERY	STUDY	
ТРН	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		78.3	100	78	70-135	
o-Terphenyl		44 3	50 1	88	70-135	
Lah Batch #: 789847	Sample: 357767-003 S / MS	Batc	h: 1 Matrix:	Soil	<u>I</u>	
Units: mg/kg	Date Analyzed: 01/19/10 07:40	SU	RROGATE RI	ECOVERY	STUDY	
ТРН	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
1 Chloropatana	Analytes	01.5	00.6	02	70 125	<u> </u>
o-Terphenyl	φ.ω.γ.,	40.9	49.8	82	70-135	 
Lah Batah # 789847	Sample: 357767-003 SD / N	USD Bata	h.   Matrix	· Soil	10100	
Lau Datell #: 707047	Date Analyzed: 01/10/10 08:07	SU SU	RROGATE RI	ECOVERY	STUDY	
TPH	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		90 8	99.5	91	70-135	
o-Terphenyl		40 6	49.8	82	70-135	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

.

Surrogate Recovery [D] = 100 \* A / B All results are based on MDL and validated for QC purposes





### Project Name: Targa South Compressor St.

Work Order #: 357767		Project ID:						
Lab Batch #: 788581	Sample: 788581	Sample: 788581-1-BKS Matrix: Solid						
Date Analyzed: 01/07/2010	Date Prepared: 01/07/2	Ł						
Reporting Units: mg/kg	Batch #: 1	BLANK /I	BLANK /BLANK SPIKE RECOVERY S					
Anions by E300	Blank Result	Spike Added	Blank Spike	Blank Spike	Control Limits	Flags		
Analytes	[A]	[B]	Result [C]	%R [D]	%R			
Chloride	ND	10 0	10 9	109	75-125			

Blank Spike Recovery [D] = 100\*[C]/[B] All results are based on MDL and validated for QC purposes BRL - Below Reporting Limit



## **BS / BSD Recoveries**

### Project Name: Targa South Compressor St.



Work Order #: 357767	Project ID: 9-0120												
Analyst: ASA	D	ate Prepar	ed: 01/07/20	10			Date A	nalyzed: (	01/08/2010				
Lab Batch ID: 788827 Sample: 547316-1-	BKS	Bate	h #: 1					Matrix:	Solid				
Units: mg/kg		BLAN	K/BLANK	SPIKE / I	BLANK S	ANK SPIKE DUPLICATE RECOVERY STUDY							
BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag		
Benzene	ND	0 1000	0 0939	94	01	0 0928	93	1	70-130	35	<u> </u>		
Toluene	ND	0 1000	0 0951	95	01	0 0944	94	1	70-130	35	<u> </u>		
Ethylbenzene	ND	0 1000	0 0939	94	01	0 0938	94	0	71-129	35	<u> </u>		
m,p-Xylenes	ND	0 2000	0 1910	96	0 2	0 1913	96	0	70-135	35			
o-Xylene	ND	0 1000	0 1006	101	01	0 1011	101	0	71-133	35			
Analyst: ASA	D	ate Prepar	ed: 01/11/20	10			Date A	nalyzed: (	01/11/2010				
Lab Batch ID: 788887 Sample: 547343-1-	BKS	Batcl	h#: 1			Matrix: Solid							
Units: mg/kg		BLAN	K/BLANK	SPIKE / I	BLANK S	SPIKE DUPI	JCATE 1	RECOVI	ERY STUE	Y			
BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag		
Benzene	ND	0 1000	0 1146	115	01	0 1142	114	0	70-130	35			
Toluene	ND	0 1000	0 1159	116	0 1	0 1161	116	0	70-130	35			
Ethylbenzene	ND	0 1000	0 1160	116	01	0 1170	117	1	71-129	35	<u> </u>		
m.p-Xylenes	ND	0 2000	0 2397	120	0 2	0 2413	121	1	70-135	35			
o-Xylene	ND	0 1000	0 1231	123	01	0 1241	124	1	71-133	35	1		

Relative Percent Difference RPD = 200\*[(C-F)/(C+F)] Blank Spike Recovery [D] = 100\*(C)/[B] Blank Spike Duplicate Recovery [G] = 100\*(F)/[E] All results are based on MDL and Validated for QC Purposes





### Project Name: Targa South Compressor St.

Work Order #: 357767							Pro	ject ID: 🤉	)-0120			
Analyst: ASA	D	ate Prepar	ed: 01/12/20	0		Date Analyzed: 01/12/2010						
Lab Batch ID: 789136 Sample: 547471-1-	BKS	Bate	h #: 1					Matrix: S	bolid			
Units: mg/kg		BLAN	K/BLANK S	SPIKE / E	BLANK S	SPIKE DUPI	LICATE	RECOVI	ERY STUD	Ŷ		
BTEX by EPA 8021B	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag	
Benzene	ND	0 1000	0 1079	108	01	0 1 1 4 1	114	6	70-130	35		
Toluene	ND	0 1000	0 1110	111	01	0 1164	116	5	70-130	35		
Ethylbenzene	ND	0 1000	0 1109	111	01	0 1 167	117	5	71-129	35		
m,p-Xylenes	ND	0 2000	0 2279	114	0 2	0 2401	120	5	70-135	35		
o-Xylene	ND	0 1000	0 1175	118	0 1	0 1236	124	5	71-133	35		
Analyst: ASA	D	ate Prepar	red: 01/12/20	10			Date A	nalyzed: (	)1/12/2010	-		
Lab Batch ID: 789002 Sample: 789002-1-	BKS	Bate	h #: ]					Matrix: S	solid			
Units: mg/kg		BLAN	K/BLANK S	SPIKE / E	BLANK S	SPIKE DUPI	LICATE	RECOVI	ERY STUD	νY		
TPH by EPA 418.1	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added  E	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag	
TPH, Total Petroleum Hydrocarbons	ND	2500	2620	105	2500	2650	106	1	65-135	35		

Relative Percent Difference RPD = 200\*|(C-F)/(C+F)|Blank Spike Recovery [D] = 100\*(C)/[B]Blank Spike Duplicate Recovery [G] = 100\*(F)/[E]All results are based on MDL and Validated for QC Purposes



# **BS / BSD Recoveries**



### Project Name: Targa South Compressor St.

Work Order #: 357767 Analyst: BEV	D	ate Prepar	red: 01/18/201	0	Project ID: 9-0120 Date Analyzed: 01/19/2010							
Lab Batch ID: 789847 Sample: 547892-1	-BKS	S Batch #: ]				Matrix: Solid						
Units: mg/kg		BLAN	K/BLANK S	SPIKE / I	BLANK S	PIKE DUPL	JCATE	RECOVE	ERY STUD	Y		
TPH By SW8015 Mod	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag	
C6-C12 Gasoline Range Hydrocarbons	ND	1010	848	84	995	976	98	14	70-135	35		
C12-C28 Diesel Range Hydrocarbons	ND	1010	797	79	995	785	79	2	70-135	35		

Relative Percent Difference RPD = 200\*[(C-F)/(C+F)] Blank Spike Recovery [D] = 100\*(C)/[B] Blank Spike Duplicate Recovery [G] = 100\*(F)/[E] All results are based on MDL and Validated for QC Purposes



# Form 3 - MS Recoveries



### Project Name: Targa South Compressor St.

#### Work Order #: 357767 Lab Batch #: 788581

Project ID: 9-0120

Date Analyzed: 01/07/2010 QC- Sample ID: 357700-001 S	<b>Date Prepared:</b> 01/07/ <b>Batch #:</b> 1	/2010	Analyst: LATCOR Matrix: Soil					
Reporting Units: mg/kg	MATR	IX / MA	TRIX SPIKE	RECOV	VERY STU	DY		
Inorganic Anions by EPA 300	Parent Sample Result [A]	Spike Added	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag		
Analytes		נסן						
Chloride	100	116	231	113	75-125			

Matrix Spike Percent Recovery  $[D] = 100^{\circ}(C-A)/B$ Relative Percent Difference  $[E] = 200^{\circ}(C-A)/(C+B)$ All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit



# Form 3 - MS / MSD Recoveries

#### Project Name: Targa South Compressor St.



Work Order #: 357767						Project II	<b>D:</b> 9-0120				
Lab Batch ID: 788827 Q Date Analyzed: 01/09/2010	C- Sample ID: Date Prepared:	357767- 01/07/2	-004 S 010	Ba An	tch #: alyst:	l Matrix ASA	k: Soil				
Reporting Units: mg/kg		M	ATRIX SPIK	E / MAT	RIX SPI	KE DUPLICA	TE REC	OVERY S	STUDY		
BTEX by EPA 8021B	Parent Sample Result	Spike Added	Spiked Sample Result [C]	Spiked Sample %R	Spike Added	Duplicate Spiked Sample Result [F]	Spiked Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag
2	1	inl		101	[12]				<b>5</b> 2 120	2.5	
Benzene	ND	0 1237	0 0 1 6 1	13	0 1232	0.0181	15	12	70-130	35	X
Toluene	ND	0 1237	0 0104	8	0 1232	0 0131	11	23	70-130	35	X
Ethylbenzene	ND	0 1237	0 0139	11	0 1232	0 0160	13	14	71-129	35	x
m,p-Xylenes	ND	0 2474	0 0284	11	0 2464	0 0313	13	10	70-135	35	X
o-Xylene	ND	0 1237	0 0162	13	0 1232	0 0183	15	12	71-133	35	X
Lab Batch ID: 788887 Q	C- Sample ID:	358110-	-001 S	Ba	tch #:	1 Matri	<b>x:</b> Soil				
Date Analyzed: 01/11/2010	Date Prepared:	01/11/2	010	An	alyst:	ASA					
Reporting Units: mg/kg		М	ATRIX SPIK	E / MAT	RIX SPI	KE DUPLICA	TE REC	OVERY S	STUDY		
BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	ND	0 1039	0 0892	86	0 1045	0 0899	86	1	70-130	35	
Toluene	ND	0 1039	0 0969	93	0 1045	0 0945	90	3	70-130	35	
Ethylbenzene	ND	0 1039	0 0765	74	0 1045	0 0797	76	4	71-129	35	
m,p-Xylenes	ND	0 2078	0 1577	76	0 2091	0 1636	78	4	70-135	35	
o-Xylene	ND	0 1039	0 0802	77	0 1045	0 0831	80	4	71-133	35	

Matrix Spike Percent Recovery  $[D] = 100^{(C-A)/B}$ Relative Percent Difference RPD =  $200^{(C-F)/(C+F)}$  Matrix Spike Duplicate Percent Recovery [G] = 100\*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit



# Form 3 - MS / MSD Recoveries

#### Project Name: Targa South Compressor St.



Work Order # : 357767						Project II	<b>D: 9-</b> 0120				
Lab Batch ID: 789002 Date Analyzed: 01/12/2010	QC- Sample ID: Date Prepared:	357767- 01/12/2	-001 S 010	Ba An:	tch #: alyst:	) Matri: ASA	x: Soil				
Reporting Units: mg/kg		М	ATRIX SPIK	E / MAT	RIX SPI	KE DUPLICA	TE REC	OVERY S	STUDY		
TPH by EPA 418.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result  C	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
TPH. Total Petroleum Hvdrocarbons	2000	2860	4580	90	2860	4360	83	5	65-135	35	-
Lab Batch ID: 789847 Date Analyzed: 01/19/2010	QC- Sample ID: Date Prepared:	357767- 01/18/2	-003 S 010	Ba An	tch #: alyst:	l Matrix BEV	x: Soil			I	
Lab Batch ID: 789847 Date Analyzed: 01/19/2010 Reporting Units: mg/kg	QC- Sample ID: Date Prepared:	357767- 01/18/2 M	-003 S 010  ATRIX SPIK	Ba An: E / MAT	tch #: alyst: RIX SPI	1 Matrix BEV KE DUPLICA	x: Soil TE REC	OVERY S	STUDY		
Lab Batch ID: 789847 Date Analyzed: 01/19/2010 Reporting Units: mg/kg TPH By SW8015 Mod	QC- Sample ID: Date Prepared: Parent Sample Result	357767- 01/18/2 M Spike	-003 S 010 ATRIX SPIKI Spiked Sample Result	Ba An: E / MAT Spiked Sample % B	tch #: alyst: RIX SPI Spike Added	1 Matri: BEV KE DUPLICA Duplicate Spiked Sample Result IFI	x: Soil TE REC Spiked Dup. %R	OVERY S	STUDY Control Limits %B	Control Limits %RPD	Flag
Lab Batch ID: 789847 Date Analyzed: 01/19/2010 Reporting Units: mg/kg TPH By SW8015 Mod Analytes	QC- Sample ID: Date Prepared: Parent Sample Result [A]	357767- 01/18/2 M Spike Added [B]	-003 S 010 ATRIX SPIKI Spiked Sample Result [C]	Ba An E / MAT Spiked Sample %R [D]	tch #: alyst: RIX SPI Spike Added [E]	l Matri BEV KE DUPLICA Duplicate Spiked Sample Result [F]	x: Soil TE REC Spiked Dup. %R [G]	OVERY S RPD %	STUDY Control Limits %R	Control Limits %RPD	Flag
Lab Batch ID: 789847 Date Analyzed: 01/19/2010 Reporting Units: mg/kg TPH By SW8015 Mod Analytes C6-C12 Gasoline Range Hydrocarbons	QC- Sample ID: Date Prepared: Parent Sample Result [A] ND	357767- 01/18/2 M Spike Added [B] 1210	-003 S 010 ATRIX SPIKI Spiked Sample Result [C] 1030	Ba An: E / MAT Spiked Sample %R [D] 85	tch #: alyst: RIX SPI Spike Added [E] 1210	1 Matri: BEV KE DUPLICA Duplicate Spiked Sample Result [F] 1020	x: Soil TE RECC Spiked Dup. %R [G] 84	OVERY S RPD %	Control Limits %R 70-135	Control Limits %RPD 35	Flag

Matrix Spike Percent Recovery [D] = 100\*(C-A)/BRelative Percent Difference RPD = 200\*[(C-F)/(C+F)] Matrix Spike Duplicate Percent Recovery [G] = 100\*(F-A)/E





Project Name: Targa South Compressor St.

Work Order #: 357767					
Lab Batch #: 788581			Project I	<b>D:</b> 9-0120	
Date Analyzed: 01/07/2010 Date Pr	epared: 01/07/2010	Ana	lyst: LATC	OR	
QC- Sample ID: 357700-001 D	Batch #: 1	Mat	trix: Soil		
Reporting Units: mg/kg	SAMPLE /	SAMPLE	DUPLIC	ATE RECO	OVERY
Anions by E300	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	100	98.2	2	20	
700124					
Lab Batch #: /87130 Date Analyzed: 01/12/2010 Date Pi	repared • 01/12/2010	) Ana	lvst: ASA		
$OC_{-} \text{ Sommaly ID: } 357767-001 \text{ D}$	Ratch #: 1	Ma	trix: Soil		
Reporting Units: mg/kg		SAMPLE	DUPLIC	ATE REC	OVERY
BTEX by EPA 8021B	Parent Sample Result [A]	Sample Duplicate Result	RPD	Control Limits %RPD	Flag
Analyte		[B]			
Benzene	ND	ND	NC	35	
Toluene	ND	0 0515	NC	35	
Ethylbenzene	2 393	2 668	11	35	
m,p-Xylenes	0 3828	0 5353	33	35	
o-Xylene	0 5349	0 6773	23	35	
Lab Batch #: 788572					
Date Analyzed: 01/07/2010 Date Pi	repared: 01/07/2010	) Ana	ılyst: JLG		
QC- Sample ID: 357767-001 D	Batch #: 1	Ma	trix: Soil		
Reporting Units: %	SAMPLE /	SAMPLE	DUPLIC	ATE REC	OVERY
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte				1	

Spike Relative Difference RPD 200 \* | (B-A)/(B+A) | All Results are based on MDL and validated for QC purposes. BRL - Below Reporting Limit

																								<u>C</u>	H	<u>AI</u>	N	<u>-C</u>	)F	<u>-C</u>	US	<u>ST(</u>	DD	<u>Y</u>
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# Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client	Larson & Assoc.
Date/ Time:	1.6.10 17:00
Lab ID # :	357767
initials.	BB/AL

#### Sample Receipt Checklist

		•			C	lient initials
#1	Temperature of container/ cooler?	Yes	No	5.1	°C	
#2	Shipping container in good condition?	Yes	No			
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	< Not Pres	ent	
#4	Custody Seals intact on sample bottles/ container?	Yes	No		enD	
#5	Chain of Custody present?	(Yes)	No	1		
#6	Sample instructions complete of Chain of Custody?	(Yes)	No			
#7	Chain of Custody signed when relinquished/ received?	Yes)	No			
#8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on (	Cont/Lid	
#9	Container label(s) legible and intact?	(Yes)	No	Not Appli	cable	
#10	Sample matrix/ properties agree with Chain of Custody?	Yes	No			
#11	Containers supplied by ELOT?	Yes	No			
#12	Samples in proper container/ bottle?	Yes	No	See Be	low	
#13	Samples properly preserved?	Yes	No	See Be	low	
#14	Sample bottles intact?	Yes	No			
#15	Preservations documented on Chain of Custody?	(Yes)	No			
#16	Containers documented on Chain of Custody?	Yes	No			
#17	Sufficient sample amount for indicated test(s)?	Yes	No	See Be	low	
#18	All samples received within sufficient hold time?	(Yes)	No	See Be	low	
#19	Subcontract of sample(s)?	Yes	No		cable	
#20	VOC samples have zero headspace?	(Yes)	No	Not Appli	cable	

#### Variance Documentation

Contact:	Contacted by:	·····	Date/ Time:
Regarding:			
Corrective Action Taken:	······		

Check all that Apply:

See attached e-mail/ fax

Client understands and would like to proceed with analysis

Cooling process had begun shortly after sampling event

					1.	age i oi
Jeanne Fitc	h					;
From: Miche Sent: Thurs To: Jean Subject: RE. I	elle Green [mic sday, January ne Fitch Please confirm	chelle@laenvironm 07, 2010 2 54 PM sample validations	ental com]	357768		
Hello Jeanne,					hald Lunder Black	_
Can you please have the TPH	analysis by	GRO & DRO ana 418.1 first.	lyses for work	order 357767 on i	nola – Ewoula like t	0
Thank you,						
From: Jeanne Sent: Thursda To: Michelle Gi Subject: Re. F	Fitch [mailto:ji y, January 07, een t lease confirm	eanne.fitch@xenco 2010 1:09 PM sample validations	.com] WO#357767 &	357768		
Thank You,	8 1					
Jeanne Fitch						
Environmentai a Xenco Comp 12600 West Odessa, TX (432) 563-18	Lab of Texa Dany I-20 East 79765 200 ext. 170.	1				
Please cons	ider the environ	ment before printing t	hıs email.			
The information the attorney of individual/firm employee or a any disseminat received this return the me	on contained i lient privilege i named above gent responsit tion, distribut communication ssage to us. T	n this message is e and the work pro- e. If the reader of ole to deliver it to ion or copying of t a in error please in hank you.	confidential inf iduct doctrine of this message the intended r this communicat nmediately noti	ormation and may ind is only intende s not the intendec ecipient, you are h tion is strictly prol fy us by e-mail or	also be covered by d for the use of the sereipient or the sereby notified tha hibited If you have telephone in order	e t t to
1/7/2010	I					
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					Page 1 of 1
Jeanne	Fitch				
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From:	Turaday Jacupa 12	2010 4 57 DM	intal.com		
Sent:	Tuesday, January 12	, 2010 4.57 PW			
10: Cubinat			anku) Toroo South	Component St	
Subject	RE. PARTIAL WO#3	3//0/ (IPH 410 (	Pottom and Engl	Complessor St	tom for CPO P
DRO by	method 8015M.	gine so (soudi) i	pottom and Engi	ne 51 (Noral) Bot	Unitur GRO a
Thank y	ou,				
Michelle	•				
	er et al.	<b>C</b> 10			and an end of the
From: 3	eanne Fitch [mailto:jea Jesday January 12, 20	nne.titch@xenco.	comj		
To: Mich	elle Green				
Subject	Re: PARTIAL WO#3	57767 (TPH 418 o	nly) Targa South (	Compressor St.	
Hello Mi	: chelle				
HENO IVI					
I have a SW8015 later tod	tached a partial report M as well, Everything ay,	for TPH 418 only else is complete.	Please let me kr We are just waitii	iow if you would like ig on QC to finish f	e to run TPH or the BTEX run
Thank :	lou,				
Jeanne	Fitch				
Environ	nental Lab of Texas				
a Xence	Company				
12600	West I-20 East				
Odessa	TX 79765				
(432) 5	63-1800 ext. 1701				
🕜 Plea	as consider the environm	ent before printing t	tis omail.		
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# Analytical Report 370332

for

Larson & Associates

**Project Manager: Michelle Green** 

**Eunice South Compressor Station** 

9-0120

30-APR-10



#### 12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122): Texas (T104704215-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002) Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054) New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610) Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046): Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85) Louisiana (04176), USDA (P330-07-00105)

> Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330) Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900) Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX) Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX) Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370) Xenco-Boca Raton (EPA Lab Code: FL00449): Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917) North Carolina(444), Texas(T104704468-TX), Illinois(002295)



30-APR-10

Project Manager: Michelle Green Larson & Associates P.O. Box 50685 Midland, TX 79710

Reference: XENCO Report No: **370332** Eunice South Compressor Station Project Address:

#### Michelle Green:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 370332. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 370332 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II Odessa Laboratory Manager

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### Sample Cross Reference 370332

### Larson & Associates, Midland, TX

#### Eunice South Compressor Station

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SS-1A	S	Apr-23-10 13:25		370332-001
NS-5A	S	Apr-23-10 13:30		370332-002



### CASE NARRATIVE

Client Name: Larson & Associates Project Name: Eunice South Compressor Station

Project ID:9-0120Work Order Number:370332

Report Date: 30-APR-10 Date Received: 04/23/2010

Sample receipt non conformances and Comments: None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-804004 Percent Moisture None

Batch: LBA-804310 TPH By SW8015 Mod None

Batch: LBA-804649 TPH by EPA 418.1 None



**Project Location:** 

Project Id: 9-0120

Contact: Michelle Green

### Certificate of Analysis Summary 370332

Larson & Associates, Midland, TX

**Project Name: Eunice South Compressor Station** 

Date Received in Lab: Fri Apr-23-10 04:23 pm

Report Date: 30-APR-10

Project Manager: Brent Barron, II

	Lab Id:	370332-0	01	370332-0	002		
Analysis Dequested	Field Id:	SS-1A		NS-5A			
Analysis Kequesieu	Depth:						
	Matrix:	SOIL		SOIL			
	Sampled:	Apr-23-10	13 25	Apr-23-10 1	13 30		
Percent Moisture	Extracted:						
	Analyzed:	Apr-23-10	17 00	Apr-23-10 1	17 00		
	Units/RL:	%	RL	%	RL		
Percent Moisture		3 32	1 00	5 47	1 00		
TPH By SW8015 Mod	Extracted:	Apr-27-10	10 45	Apr-27-10	10 45		
•	Analyzed:	Apr-27-10	14 34	Apr-27-10 1	15 00		
	Units/RL:	mg/kg	RL	mg/kg	RL		
C6-C12 Gasoline Range Hydrocarbons		19700	77 6	82 8	79 3		
C12-C28 Diesel Range Hydrocarbons		8710	77 6	2230	79 3		
C28-C35 Oil Range Hydrocarbons		1050	77 6	1440	79 3		
Total TPH		29460	77 6	3753	79 3		
TPH by EPA 418.1	Extracted:						
	Analyzed:	Apr-30-10	08 10	Apr-30-10 (	08 10		
	Units/RL:	mg/kg	RL	mg/kg	RL		
TPH, Total Petroleum Hydrocarbons		80100	103	10600	10.6		

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Brent Barron, II

Odessa Laboratory Manager

# **Flagging Criteria**

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the MQL and above the SQL.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K Sample analyzed outside of recommended hold time.
- **JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- **BRL** Below Reporting Limit.
- **RL** Reporting Limit
- \* Outside XENCO's scope of NELAC Accreditation.

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9701 Harry Hines Blvd, Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
2505 North Falkenburg Rd, Tampa, FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St, Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555
12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
842 Cantwell Lane, Corpus Christi, TX 78408	(361) 884-0371	(361) 884-9116



Project Name: Eunice South Compressor Station

Vork Orders : 370332	, Sampla, 561876-1-BKS / B	KS Pota	Project II	<b>D:</b> 9-0120 • Solid		
Units: mg/kg	Date Analyzed: 04/27/10 13:13	SU:	RROGATE RI	ID: 9-0120 ix: Solid RECOVERY STUDY Recovery %R [D] Control Limits %R %R [D] 70-135 85 70-135 ix: Solid RECOVERY STUDY Recovery %R [D] 70-135 85 70-135 ix: Solid RECOVERY STUDY Recovery %R [D] 70-135 92 70-135 ix: Solid RECOVERY STUDY Recovery %R [D] 70-135 94 70-135 94 70-135 111 70-135 94 70-135 111 70-135 94 70-135 111 70-1		
ТРН І	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
	Analytes			[D]		
1-Chlorooctane		114	99 5	115	70-135	
o-Terphenyl		42.4	49 8	85	70-135	
Lab Batch #: 804310	Sample: 561876-1-BSD / B	SD Batel	h: 1 Matrix	:Solid		
Units: mg/kg	Date Analyzed: 04/27/10 13:40	SU	RROGATE RI	ECOVERYS	STUDY	
TPH	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		114	99 7	114	70-135	
o-Terphenyl		42 4	49 9	85	70-135	
Lab Batch #: 804310	Sample: 561876-1-BLK / B	LK Batel	h: 1 Matrix	: Solid		
Units: mg/kg	Date Analyzed: 04/27/10 14:07	SU	RROGATE RI	ECOVERY	STUDY	
TPH	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		101	100	101	70-135	
o-Terphenyl		46 0	50 1	92	70-135	
Lab Batch #: 804310	Sample: 370332-001 / SMF	Batel	h: 1 Matrix	: Soil	<u> </u>	
Units: mg/kg	Date Analyzed: 04/27/10 14:34	SU	RROGATE RI	ECOVERY	STUDY	
TPH	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
	Analytes			[D]		
1-Chlorooctane		111	100	111	70-135	
o-Terphenyl		46 8	50 0	94	70-135	
Lab Batch #: 804310	Sample: 370332-002 / SMI	Batc	h: 1 Matrix	:Soil		
Units: mg/kg	Date Analyzed: 04/27/10 15:00	SU	RROGATE R	ECOVERY	STUDY	
TPH	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	• 	93.0	99 9	93	70-135	
o-Ternhenvl		11.6	50.0	89	70.125	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / BAll results are based on MDL and validated for QC purposes.



### **Project Name: Eunice South Compressor Station**

<b>Work Orders :</b> 370332 Lab Batch #: 804310	Project ID: 9-0120 4S Batch: I Matrix: Soil						
Units: mg/kg	Date Analyzed: 04/27/10 23:33	04/27/10 23:33 SURROGATE RECOVERY STUDY					
ТРН	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags		
1-Chlorooctane		119	99 5	120	70-135		
o-Terphenyl		44 0	49 8	88	70-135		
Lab Batch #: 804310	Sample: 370440-003 SD / M	MSD Bate	h: 1 Matrix	: Soil			
Units: mg/kg	Date Analyzed: 04/28/10 00:00	SURROGATE RECOVERY STUDY					
TPH By SW8015 Mod Analytes		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags	
1-Chlorooctane		114	99 6	114	70-135		
o-Terphenyl		41.9	49 8	84	70-135	Í T	

\* Surrogate outside of Laboratory QC limits
 \*\* Surrogates outside limits, data and surrogates confirmed by reanalysis
 \*\*\* Poor recoveries due to dilution
 Surrogate Recovery [D] = 100 \* A / B
 All results are based on MDL and validated for QC purposes



- - -

**BS / BSD Recoveries** 



#### Project Name: Eunice South Compressor Station

Work Order #: 370332	_	_					Proj	ject ID: 9	)-0120		
Analyst: LATCOR	<b>Date Prepared:</b> 04/30/2010			.0	Date Analyzed: 04/30/2010						
Lab Batch ID: 804649 Sample: 804649-1-	BKS	Batch	)#: 1					Matrix: S	Solid		
Units: mg/kg		BLAN	K/BLANK S	SPIKE / E	LANK S	PIKE DUPI	JICATE I	RECOVE	ERY STUD	Ŷ	
TPH by EPA 418.1	Blank Sample Result [A]	Spike Added	Blank Spike Result	Blank Spike %R	Spike Added	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes		[4]	м —	[4]		Kesun [r]					
TPH, Total Petroleum Hydrocarbons	ND	2500	2340	94	2500	2360	94	1	65-135	35	
Analyst: BEV	Da	ate Prepar	ed: 04/27/201	l <b>O</b>	Date Analyzed: 04/27/2010						
Lab Batch ID: 804310 Sample: 561876-1-	BKS	Batel	a #: 1					Matrix: S	Solid		
Units: mg/kg	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
TPH By SW8015 Mod	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	995	1090	110	997	1070	107	2	70-135	35	
	110	,,,,	1070	1 10		10/0	107	i -	10100	1 55	1

Relative Percent Difference RPD = 200\*[(C-F)/(C+F)] Blank Spike Recovery [D] = 100\*(C)/[B] Blank Spike Duplicate Recovery [G] = 100\*(F)/[E] All results are based on MDL and Validated for QC Purposes



# Form 3 - MS / MSD Recoveries

### **Project Name: Eunice South Compressor Station**



-ġ.

Work Order #: 370332	Project ID: 9-0120										
Lab Batch ID: 804310 Date Analyzed: 04/27/2010	QC- Sample ID: Date Prepared:	370440- 04/27/2	-003 S 010	Ba An	tch #: alyst:	1 Matri: BEV	<b>x:</b> Soil				
Reporting Units: mg/kg	ATRIX SPIK	TRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY									
TPH By SW8015 Mod	Parent Sample	Spike	Spiked Sample Result	Spiked Sample	Spike	Duplicate Spiked Sample	Spiked Dup.	RPD	Control Limits	Control Limits	Flag
Analytes	[A]	Added [B]	[C]	%R [D]	Added [E]	Result [F]	%R [G]	%	%R	%RPD	
C6-C12 Gasoline Range Hydrocarbons	44 5	1090	1220	108	1090	1160	102	5	70-135	35	
C12-C28 Diesel Range Hydrocarbons	39 7	1090	887	78	1090	998	88	12	70-135	35	

Matrix Spike Percent Recovery [D] = 100\*(C-A)/BRelative Percent Difference RPD = 200\*[(C-F)/(C+F)]

Matrix Spike Duplicate Percent Recovery [G] = 100\*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit



# Sample Duplicate Recovery

### **Project Name: Eunice South Compressor Station**

#### Work Order #: 370332

Lab Batch #: 804649 Date Analyzed: 04/30/2010	Project ID: 9-0120 Date Prepared: 04/30/2010 Analyst: LATCOR Patch # 1 Materia: Soil							
QC- Sample ID: 370332-001 D Reporting Units: mg/kg	SAMPLE	Mai SAMPLE	DUPLIC	ATE REC	OVERY			
TPH by EPA 418.1	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag			
TPH, Total Petroleum Hydrocarbons	80100	79700	1	35				

Spike Relative Difference RPD 200 \* | (B-A)/(B+A) | All Results are based on MDL and validated for QC purposes BRL - Below Reporting Limit

CHAIN-OF-CUSTODY



# **Environmental Lab of Texas**

Variance/ Corrective Action Report- Sample Log-In

11

Assoc. Å ar500 Client: 4.23.10 16:23 Date/ Time: 370332 Lab ID # :

M.

Initials:

#### Sample Receipt Checklist

	· · · · · · · · · · · · · · · · · · ·				lient Initials
#1	Temperature of container/ cooler?	Yes	No	5.1 °C	
#2	Shipping container in good condition?	(Yes)	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
#5	Chain of Custody present?	Yes	No		
#6	Sample instructions complete of Chain of Custody?	(Tes)	No		
#7	Chain of Custody signed when relinquished/ received?	Yes	No		
#8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	(Yes)	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	Yes	No		
#11	Containers supplied by ELOT?	Yes	No		
#12	Samples in proper container/ bottle?	Yes	No	See Below	
#13	Samples properly preserved?	(Yes)	No	See Below	
#14	Sample bottles intact?	Yes	No		
#15	Preservations documented on Chain of Custody?	(Yes)	No		
#16	Containers documented on Chain of Custody?	Yes	No		
#17	Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
#18	All samples received within sufficient hold time?	(Yes)	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	Not Applicable	
#20	VOC samples have zero headspace?	(es)	No	Not Applicable	

#### **Variance Documentation**

Contact:	Contacted by:	Date/ Time:					
Regarding:							
Corrective Action Taken:							

Check all that Apply:

 $\Box$ 

See attached e-mail/ fax

Client understands and would like to proceed with analysis

Cooling process had begun shortly after sampling event

Engine #30 (South) Sump



Engine #30 (South) Sump Prior to Removal Looking Southwest



Engine #30 (South) Sump Following Removal Looking West



Engine #30 (South) Sump Following Removal Looking South



Engine #30 (South) Sump Soil Excavation Looking South

Engine #31 (North) Sump



Engine #31 (North) Sump Prior to Removal Looking North



Engine #31 (North) Sump Following Removal Looking North

·



Engine #31 (North) Sump Following Removal and Soil Excavation Looking South



Engine #31 (North) Sump Soil Excavation Looking West



Engine #31 (North) Foundation Soil Excavation (South Side) Looking West



Engine #31 (North) Foundation Soil Excavation (North Side) Looking East



Engine #31 (North) Sump Following Removal and Soil Excavation Looking South



Engine #31 (North) Sump Following Removal and Soil Excavation Looking West

**New Below Grade Tank** 

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New Below Grade Tank Looking East



New Below Grade Tank

Page 7 of 14

#### Old Below Grade Tank Containment



Old Below Grade Tank Containment Looking Southeast



Old Below Grade Tank Containment Looking Northeast



Old Below Grade Tank Containment Looking Southwest



Interior of Old Below Grade Tank Containment Looking South



Interior of Old Below Grade Tank Containment Looking North



Interior of Old Below Grade Tank Containment South End Looking West



Interior of Old Below Grade Tank Containment South End Looking South



Interior of Old Below Grade Tank Containment North End Looking North



Interior of Old Below Grade Tank Containment West Side Looking Northwest



Interior of Old Below Grade Tank Containment East Side Looking Northeast



Interior of Old Below Grade Tank Containment East Side Looking Southeast



Interior of Old Below Grade Tank Containment South End Looking South

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

RE(	) Eiv	'ED
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Form C-141 Revised October 10, 2003 Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back

Energy Minerals and Natural Resources HOBBSOCD **Oil Conservation Division** 1220 South St. Francis Dr. Santa Fe NM 87505

State of New Mexico

1220 S. St. Fran	cis Dr., Santa	a Fe, NM 87505	i	` San	ita Fe	, NM 8750	5				side of form
and and a survey of the second	antara ya puri kanfu Tolkahara y		Rele	ase Notifica	ition	and Cor	rective Act	tion_			ant, diran, transformer, terretary
						OPERAT	OR	5		Report	
Name of Co	mpany - J	Farga Midstr	eam Servi	ces, L.P.		Contact - Cal	Wrangham	$\overline{}$			- port
Address - P	.O. Box 19	909, Eunice,	NM 8823	1		Telephone No	432.688.0542	2		<del>````````````````````````````````</del>	
Facility Nar	me - Eunic	e South Con	pressor S	tation	]]	Facility Type	- Gas Compress	or Stat	ion		
Surface Ow	ner - Vers	ado Gas Pro	cessors,	Mineral Ov	wner			1	Lease No		
LLC			,						20000		
				LOCA	TION	N OF RELI	EASE	Ą	P1 3	0.025.2	1497
Unit Letter	Section	Township	Range	Fcet from the	Nor	th/South Line	Feet from the	East/	West Line	County	
М	27	22 South	37 East							Lea	
			La	titude <u>N 32.362</u> N A T I	2832°_	_Longitude_	W-103.159165°	-			
Type of Rele	ase - produ	ced water and	condensate		<b>U</b> III	Volume of R	elease - unknown	1	Volume Re	covered - N/A	
Source of Re	lease - floo	r drain from #	30 and #31	compressor build	ings	Date and Hou	ir of Occurrence	1	Date and H	our of Discovery	/
						April 21, 200	9		April 21, 20	009	
Was Immedi	ate Notice	Given?	Yes 🛛	No 🗌 Not Rec	quired	If YES, To Whom? I Discovered during OCD Inspection					
By Whom?	Mr. Leona	rd Lowe				Date and Hour April 21, 2009					
Was a Water	course Rea	ched?	V 57	<b>N</b> 1		If YES, Volume Impacting the Watercourse.					
			Yes 🖂	NO		Not Applicat	le				
Not Applical	ble	ipaotou, Desor	100 1 411 9.								
Describe Car Release mos 620-gallon c	use of Prob t likely fron apacity belo	lem and Reme n overflow of ow-grade tank	dial Action sumps acce s (sumps) a	Taken.* pting liquid via fl ssociated with eac	oor dra h com	in lines and scr pressor.	ubber liquids fron	n the co	mpressor b	uildıngs #30 and	1 #31, to two
Describe Arc The impacted assess releas	ea Affected d areas arc es and soil	and Cleanup A located below samples will b	Action Take tanks whic e collected	en.* h are under proces for the appropriat	ss lines e labor	. Impacted soil atory chemical	is being excavate analyses.	d by ha	nd. Investi	gation will be p	erformed to
I hereby cert regulations a public health should their or the enviro federal, state	ofy that the all operators or the envi- operations lonment. In a c, or local la	information g s are required t ironment. The have failed to addition, NMC ws and/or reg	iven above to report an acceptance adequately OCD accept ulations.	is true and comple d/or file certain re e of a C-141 repor investigate and re ance of a C-141 re	ete to th lease n t by the mediate eport de	ne best of my k otifications and c NMOCD mar c contamination oes not relieve	nowledge and und perform correctiv ked as "Final Rep hat that pose a threat the operator of res	lerstand ve action ort" doc t to grou sponsibi	l that pursu ns for relea es not reliev und water, s ility for cor	ant to NMOCD ses which may e ve the operator o surface water, hi npliance with an	rules and endanger f liability Jman health by other
Signature:						<u>OIL CONS</u> Į		TION I	DIVISION		
Printed Nam	e: Cal Wra	ingham				Approved by D	istrict Supe	IRON	MENTA	L ENGINEE	11
Title. Envir	onmental, S	afety and Hea	lth Manage	er		Approval Date:	\$ 5.25.1	о <sub>Е</sub> ,	xpiration D	atc:	
E-mail Addr	ess: <u>ewran</u>	gham@targar	csources.co	<u>m</u>		Conditions of A	Approval:			Attached 🗌	
Date: 5	3-1-20	10	Phone:	4326880	\$42-	نم				IRP# 000	s co

Date: 5-3-1-2010 F \* Attach Additional Sheets If Necessary

10-5-2544

RECEIVED State of New INICATES Energy Minerals and Natural Resources HOBBSOCD Submit 2 Copies to appropriate District Office in accordance MAY 25 2010 District I 1625 N French Dr . Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 1220 South St. Francis Dr. with Rule 116 on back District IV 1220 S. St. Francis Dr. Santa Fe. NM 87505 side of form Santa Fe, NM 87505 **Release Notification and Corrective Action OPERATOR** Initial Report Report Report Contact - Cal Wrangham Name of Company - Targa Midstream Services, L.P. Address - P.O. Box 1909, Eunice, NM 88231 Telephone No. - 432.688.0542 Facility Type - Gas Compressor Station Facility Name - Eunice South Compressor Station Mineral Owner Lease No. Surface Owner - Versado Gas Processors, LLC AP1 30.025, 21497 LOCATION OF RELEASE Feet from the North/South Line Feet from the East/West Line County Unit Letter Section Township Range М 27 22 South 37 East Lea Latitude N 32.362832° Longitude W-103.159165° NATURE OF RELEASE Type of Release - produced water and condensate Volume of Release - unknown Volume Recovered – N/A Source of Release - floor drain from #30 and #31 compressor buildings Date and Hour of Occurrence Date and Hour of Discovery April 21, 2009 April 21, 2009 Was Immediate Notice Given? If YES, To Whom? Yes 🛛 No 🗌 Not Required Discovered soil surface staining during OCD Inspection Date and Hour April 21, 2009 By Whom? Mr. Leonard Lowe Was a Watercourse Reached? If YES. Volume Impacting the Watercourse. 🗌 Yes 🖾 No Not Applicable If a Watercourse was Impacted, Describe Fully.\* Not Applicable Describe Cause of Problem and Remedial Action Taken.\* Discovered soil surface staining. Release most likely from sumps accepting liquid via floor drain lines leading from the compressor buildings #30 and #31, to two 620-gallon capacity below-grade tanks (sumps) associated with each compressor. Floor drains are disconnected from the tanks to prevent additional release(s) The main sump, which meets standards of NMAC 19 15.17 will replace Engine #30 and Engine #31 sumps. Describe Area Affected and Cleanup Action Taken.\* Sumps were removed and replaced by a single below-grade tank meeting standards of NMAC 19.15.17. Impacted soil was hand excavated to the extent possible with consideration for foundations and employee safety. Final bottom samples (5-part composite) were below regulatory level of 1.000 mg/Kg for TPH by method SW-8015 (DRO and GRO) and chloride action level of 250 mg/Kg. 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 l Wrang alunso Signature: Approved by District ENVIRONMENTAL ENGINEER Printed Name. Cal Wrangham Approval Date: 5.25.10 Title: Environmental. Safety and Health Manager Expiration Date: 7.26.10 E-mail Address: cwrangham@targaresources.com Conditions of Approval. Attached SUBMITFINAL CLOSURE C. 41 IRP# 10.5.2544 Phone. (432) 688-0542 Date. May 24, 2010 \* Attach Additional Sheets If Necessary wtopes

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