APPROVED
By Olivia Yu at 3:24 pm, Jun 01, 2017

NMOCD approves
1RP-4420 for closure.

1RP-4420

REMEDIATION REPORT
David Bilbrey 8 Inch Pipeline Release Site #3
Lea County, New Mexico

33° 32' 04.816" North
103° 05' 32.604" West

LAI Project No. 15-0171-03

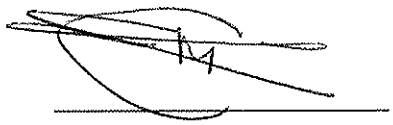
March 2, 2017

Prepared for:

Targa Midstream Services, LLC
6 Desta Drive, Suite 3200
Midland, Texas 79705

Prepared by:

Larson & Associates, Inc.
507 North Marienfeld Street, Suite 205
Midland, Texas 79701



Mark J. Larson, P.G.

Certified Professional Geologist #10490

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1.0 INTRODUCTION

Larson & Associates, Inc. (LAI) has prepared this remediation report on behalf of Targa Midstream Services, LLC (Targa) for a natural gas liquids release at the David Bilbrey 8" pipeline (Site #3) in Unit F (NE/4, SW/4), Section 18, Township 9 South, Range 38 East, in Lea County, New Mexico (the Site). The Site is located about 22 miles northeast of Tatum, New Mexico. The release was discovered on January 12, 2016, when the landowner, David Bilbrey, observed an area in the pasture that was void of vegetation adjacent to the right of way for the underground 8 inch steel line. Targa representatives suspected a release had occurred at the location approximately 3 years earlier however the date and volume of the release was unknown. The segment of pipeline was replaced with poly line during remediation of the release.

On August 24, 2016, the initial C-141 (Release Notification and Corrective Action) form was submitted to the NMOCD District 1 in Hobbs, New Mexico. The OCD assigned the release remediation permit number 1RP-4420. Remediation was performed between April 26, 2016 and May 10, 2016. The geodetic position is 33° 32' 04.816" North and 103° 05' 32.604" West. Figure 1 presents a topographic map. Figure 2 presents an aerial map. Figure 2a presents a general aerial map.

1.1 Physical Setting

The physical setting is as follows:

The surface elevation is about 3,970 feet above mean sea level (MSL). The topography is slightly undulating and regionally slopes to the southwest. No surface water features are present within 1 mile of the Site. The soils are designated as "Amarillo fine sandy loam, 0 to 1 percent slopes", consisting of loamy eolian deposits derived from reworking the Blackwater Draw (Pleistocene) and Ogallala (Pliocene) formations, in descending order. The soil developed over sandy clay loam that extends to depths greater than about 6 feet below ground surface (bgs). Groundwater occurs at about 40 feet bgs according to records from the New Mexico Office of the State Engineer (NMOSE), and the nearest fresh water well is located in Unit F (SE/4, NW/4), Section 5, Township 9 South, Range 38 East about 2.5 miles north of the Site (L03881).

1.2 Remediation Action Levels

Remediation action levels (RRALs) were calculated for benzene, BTEX and TPH based on the following criteria established by the New Mexico Oil Conservation Division (OCD) in *"Guidelines for Remediation of Leaks, Spills and Releases, August 13, 1993"*:

Criteria	***Result***	***Score***
Depth-to-Groundwater	<50 feet	20
Wellhead Protection Area	No	0
Distance to Surface Water Body	>1000 Horizontal Feet	0

The following RRAL apply to the release for ranking score: 20

- Benzene 10 mg/Kg
- BTEX 50 mg/Kg
- TPH 100 mg/Kg

2.0 Assessment

On January 12, 2016, personnel from LAI visited the Site to investigate the non-vegetated area where the leak was suspected. On January 25, 2016, LAI personnel collected initial soil samples with a stainless steel hand auger at four (4) locations (HA-1 through HA-4) around the perimeter of the Site. Soil samples were collected from about 1 foot and 2 feet bgs. Samples HA-1 and HA-3 were collected near the southern and northern extents of the release. Samples HA-2 and HA-4 were collected near the eastern and western extents of the release. The samples were screened for headspace vapors with a calibrated photoionization detector (PID) in 8 ounce glass jars and sealed with aluminum foil. The PID readings were below the New Mexico Oil Conservation Division (OCD) action level of 100 parts per million (ppm). Therefore laboratory analysis for benzene, toluene, ethylbenzene and xylenes (BTEX) was not required according to OCD guideline 7b Section IV Part 2b (Guidelines for Remediation of Leaks, Spills and Releases, August 13, 1993). The laboratory samples were delivered under preservation and chain of custody to Trace Analysis, Inc., in Lubbock, Texas, and analyzed for total petroleum hydrocarbons (TPH) by EPA SW-846 Method 8015 including gasoline (GRO), diesel (DRO) and oil (ORO) range organics and chloride by Method 300. Table 1 presents the assessment soil sample analytical data summary. Figure 3 presents the hand auger soil sample location map. Appendix A presents the laboratory report.

All assessment soil samples collected, except HA-3, 2 feet, reported TPH below the test method reporting limit (see Table 1). TPH was detected at 108 milligrams per kilogram (mg/Kg) in sample HA-3 at 2 feet bgs and exceeded the RRAL (100 mg/Kg). Chloride was less than the reporting limit in all samples except HA-3, 1 feet (45.4 mg/Kg) and HA-3, 2 feet (45.5 mg/Kg).

On February 15, 2016, previous boring location HA-3 (DP-1) was extended to about eight (8) feet bgs with a Terraprobe® direct push rig owned by LAI. Samples were collected from approximately 3, 4, 6, 7 and 8 feet bgs and analyzed for headspace vapors with a calibrated PID. Samples from 4, 6, 7 and 8 feet bgs recorded headspace vapors above 100 ppm and were analyzed for BTEX. Benzene was below the RRAL (10 mg/Kg) however BTEX exceeded the RRAL (50 mg/Kg) in samples from 4 feet bgs (50.71 mg/Kg), 6 feet bgs (352.76 mg/Kg), 7 feet bgs (235.26 mg/Kg) and 8 feet bgs (210.88 mg/Kg). TPH concentrations were above the RRAL (100 mg/Kg) in samples from 4 feet bgs (2,555 mg/Kg), 6 feet bgs (8,870 mg/Kg), 7 feet bgs (5,200 mg/Kg) and 8 feet bgs (4,340 mg/Kg). Chloride ranged from 638 mg/Kg in the sample from 4 feet bgs to 2,450 mg/Kg in sample from 8 feet bgs. Table 1 presents the assessment soil sample analytical data summary. Figure 3 presents the direct push boring location map. Appendix A presents the laboratory report.

On March 9 and 10, 2016, Scarborough Drilling, Inc. (SDI) used an air rotary rig to drill four borings (SB-1 through SB-4) to collect soil samples to delineate the release. Borings SB-1 and SB-4 were drilled north and south of the affected area. Boring SB-2 was drilled near the center of the affected area. Boring SB-3 was drilled near sample location HA-3 (DP-1). Figure The borings were drilled to about 25 feet bgs with soil samples collected every five (5) feet with a jam tube sampler approximately 1 foot in length. The samples were screened for headspace vapors as previously discussed and recorded PID readings below 100 ppm in all samples except SB-3, 10 feet bgs (1,040 ppm). The samples were delivered under chain of custody and preservation to Trace and analyzed for BTEX (SB-2, 10 and 15 feet bgs and SB-3, 10 feet bgs). Benzene and BTEX were below the RRALs of 10 mg/Kg and 50 mg/Kg, respectively, in samples SB-2, 10 and 15 feet bgs. Trace reported benzene (15.8 mg/Kg) and BTEX (352.6 mg/Kg) above RRALs of 10 mg/Kg and 50 mg/Kg, respectively, in sample SB-3, 10 feet bgs. TPH was below the method reporting

limit in all samples analyzed except SB-3, 10 feet bgs (5,660 mg/Kg) which exceeded the RRAL (100 mg/Kg). Based on the laboratory analysis of soil samples the release was delineated vertically and horizontally. Table 1 presents the analytical data summary. Figure 3 presents the air rotary boring location map. Appendix A presents the laboratory report. Appendix B presents the boring logs.

3.0 REMEDIATION

Between April 26 and May 10, 2016, Targa personnel used a backhoe to excavate soil to approximately 12 feet bgs in the area of SB-3. Targa personnel removed the steel pipeline to install a new poly line and allow safe working conditions for excavating soil. Soil was excavated until laboratory analysis showed TPH was below the RRAL in sidewall and bottom samples. Soil was excavated over an area measuring approximately 1,000 square feet or about 0.02 acres. Approximately 408 cubic yards of soil was excavated and disposed at the Gandy-Marley landfill located west of Tatum, in Chaves County, New Mexico. Appendix C presents photographs. Appendix D presents waste manifests.

On April 27, 2016, LAI personnel collected confirmation soil samples from the excavation sidewalls 3 feet, 6 feet and 12 feet bgs and bottom at about 13 feet bgs. Samples were tested in the field with a PID and reported concentrations below 100 ppm. The samples were submitted to Trace and analyzed for TPH by EPA SW-846 Method 8015, including GRO, DRO and ORO, and chloride by Method 300. TPH was below the method reporting limit and RRAL in the sidewall and bottom samples. Chloride was 127 mg/Kg in the bottom sample which meets the OCD guidance for vertical delineation. Table 2 presents the remediation soil sample analytical data summary. Figure 4 presents the excavation area and confirmation soil sample locations. Appendix A presents the laboratory reports.

Between May 2 and 10, 2016, Targa personnel backfilled the excavation with clean soil acquired from the landowner, David Bilbrey. The Site will be seeded according to the landowner specifications.

4.0 CONCLUSIONS

Targa has remediated the releases below the RRAL and requests no further action for RP1-4420. Appendix E presents the initial and final C-141.

TABLES

Table 1
Assessment Soil Sample Analytical Data Summary
Targa Midstream Services, LLC, David Bilbrey 8" Pipeline Release - Site #3
1RP No. 4420
Lea County, New Mexico
33°32'04.84" N 103°05'32.64" W

Sample	Collection Date	Location	Depth (Feet)	Status	PID (ppm)	Benzene (mg/Kg)	BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	ORO (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
OCD RRAL:						**10**	**50**				**100**	**250***
HA-1	1/25/2016	South	1	In-situ	0.0	--	--	<4.00	<50.0	<50.0	<50.0	<25.0
	1/25/2016	South	2	In-situ	0.0	--	--	<4.00	<50.0	<50.0	<50.0	<25.0
HA-2	1/25/2016	East	1	In-situ	1.1	--	--	<4.00	<50.0	<50.0	<50.0	<25.0
	1/25/2016	East	2	In-situ	0.5	--	--	<4.00	<50.0	<50.0	<50.0	<25.0
HA-3	1/25/2016	North	1	In-situ	6.1	--	--	<4.00	<50.0	<50.0	<50.0	45.4
(DP-1)	1/25/2016	North	2	In-situ	13.4	--	--	<4.00	108	<50.0	**108**	45.5
	2/15/2016	North	3	In-situ	33.8	<0.0200	0.1008	<4.00	<50.0	<50.0	<50.0	55.7
	2/15/2016	North	4	In-situ	130.2	1.92	**50.71**	775	1,780	<500	**2,555**	**638**
	2/15/2016	North	6	In-situ	130.1	4.96	**352.76**	3,660	5,210	<500	**8,870**	**2,030**
	2/15/2016	North	7	In-situ	129.5	2.86	**235.26**	2,470	2,730	<500	**5,200**	**2,030**
	2/15/2016	North	8	In-situ	129.5	3.68	**210.88**	1,990	2,350	<250	**4,340**	**2,450**
HA-4	1/25/2016	West	1	In-situ	13.6	--	--	<4.00	<50.0	<50.0	<50.0	31.3
	1/25/2016	West	2	In-situ	40.4	--	--	<4.00	<50.0	<50.0	<50.0	<25.0
SB-1	3/9/2016		5	In-situ	0.8	--	--	<4.00	<50.0	--	<50.0	53
			10	In-situ	6.1	--	--	<4.00	<50.0	--	<50.0	48.50
			15	In-situ	0.8	--	--	<4.00	<50.0	--	<50.0	<25.0
SB-2	3/9/2016		10	In-situ	16.8	<0.0200	1.4811	<4.00	<50.0	--	<50.0	109
			15	In-situ	4.4	<0.0200	<0.0200	<4.00	<50.0	--	<50.0	29.5
			20	In-situ	4.4	--	--	<4.00	<50.0	--	<50.0	<25.0
			25	In-situ	0.8	--	--	<4.00	<50.0	--	<54.0	<25.0

Table 1
Assessment Soil Sample Analytical Data Summary
Targa Midstream Services, LLC, David Bilbrey 8" Pipeline Release - Site #3
1RP No. 4420
Lea County, New Mexico
33°32'04.84" N 103°05'32.64" W

SB-3	3/9/2016		5	In-situ	62.3	--	--	<8.00	<50.0	--	<58.0	<25.0
(DP-1)			10	In-situ	1040	**15.8**	**352.6**	3840	1,820	--	**5,660**	40.5
			15	In-situ	27.2	--	--	<4.00	<50.0	--	<54.0	<25.0
			20	In-situ	53.2	--	--	5.31	79.3	--	84.61	<25.0
			25	In-situ	2.6			<4.00	<50.0	--	<54.0	<25.0
SB-4	3/10/2016		5	In-situ	29.2	--	--	14.1	<50.0	--	14.1	<25.0
			10	In-situ	0.8	--	--	--	--	--	--	<25.0
			15	In-situ	0.8	--	--	--	--	--	--	<25.0

Notes: Laboratory analysis performed by Trace Analysis, Inc., Lubbock, Texas, by methods SW-846-8021B (BTEX), 8015 (TPH) and 300 (chloride)

Depth in feet below ground surface (bgs)

-: No analysis performed

*: OCD delineation level

mg/Kg: milligrams per kilogram equivalent to parts per million (ppm)

bove the OCD recommended remediation action level (RRAL)

Table 2
Remediation Sample Analytical Data Summary
Targa Midstream Services, LLC, David Bilbrey 8" Pipeline Release - Site #3
Lea County, New Mexico
1RP-4420

Sample	Collection Date	Depth (Feet)	Status	PID (ppm)	GRO (mg/Kg)	DRO (mg/Kg)	ORO (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
OCD RRAL:								**100**	**250***
North Wall	4/29/2016	3	In- Situ	0.0	<4.00	<50.0	<50.0	<50.0	**40.2**
	4/29/2016	6	In- Situ	0.1	<4.00	<50.0	<50.0	<50.0	****337**
South Wall	4/29/2016	3	In- Situ	0.0	<4.00	<50.0	<50.0	<50.0	<25.0
	4/29/2016	6	In- Situ	0.0	<4.00	<50.0	<50.0	<50.0	**37.9**
E Wall N	4/27/2016	3	In- Situ	6.3	<4.00	<50.0	<50.0	<50.0	<25.0
	4/27/2016	6	In- Situ	0.4	<4.00	<50.0	<50.0	<50.0	<25.0
	4/29/2016	12	In- Situ	9.7	<4.00	<50.0	<50.0	<50.0	<25.0
E Wall S	4/27/2016	3	In- Situ	0.3	<4.00	<50.0	<50.0	<50.0	<25.0
	4/27/2016	6	In- Situ	0.0	<4.00	<50.0	<50.0	<50.0	<25.0
	4/29/2016	12	In- Situ	0.1	<4.00	<50.0	<50.0	<50.0	<25.0
W Wall N	4/27/2016	3	In- Situ	0.0	<4.00	<50.0	<50.0	<50.0	<25.0
	4/28/2016	6	In- Situ	1.3	<4.00	<50.0	<50.0	<50.0	**25.9**
	4/28/2016	12	In- Situ	0.3	<4.00	<50.0	<50.0	<50.0	<25.0
W Wall S	4/27/2016	3	In- Situ	0.2	<4.00	<50.0	<50.0	<50.0	<25.0
	4/28/2016	6	In- Situ	0.0	<4.00	<50.0	<50.0	<50.0	<25.0
	4/28/2016	12	In- Situ	1.6	<4.00	<50.0	<50.0	<50.0	**25.5**
Bottom 12' N	4/28/2016	12	In- Situ	3.7	<4.00	<50.0	<50.0	<50.0	**127**
Bottom 12' S	4/28/2016	12	In- Situ	12.3	<4.00	<50.0	<50.0	<50.0	**55.8**

Notes: Laboratory analysis performed by Trace Analysis, Inc., Lubbock, Texas, by EPA SW-846 Method 8015 (TPH) and 300 (chloride)
Depth in feet below ground surface (bgs)
mg/Kg: milligrams per kilogram equivalent to parts per million (ppm)
*: indicates the OCD delineation level
**: Concentratoion delineated vertically in bottoom samples
Bold denotes concentration above the method reporting limit but below the RRAL or delineation limit

FIGURES

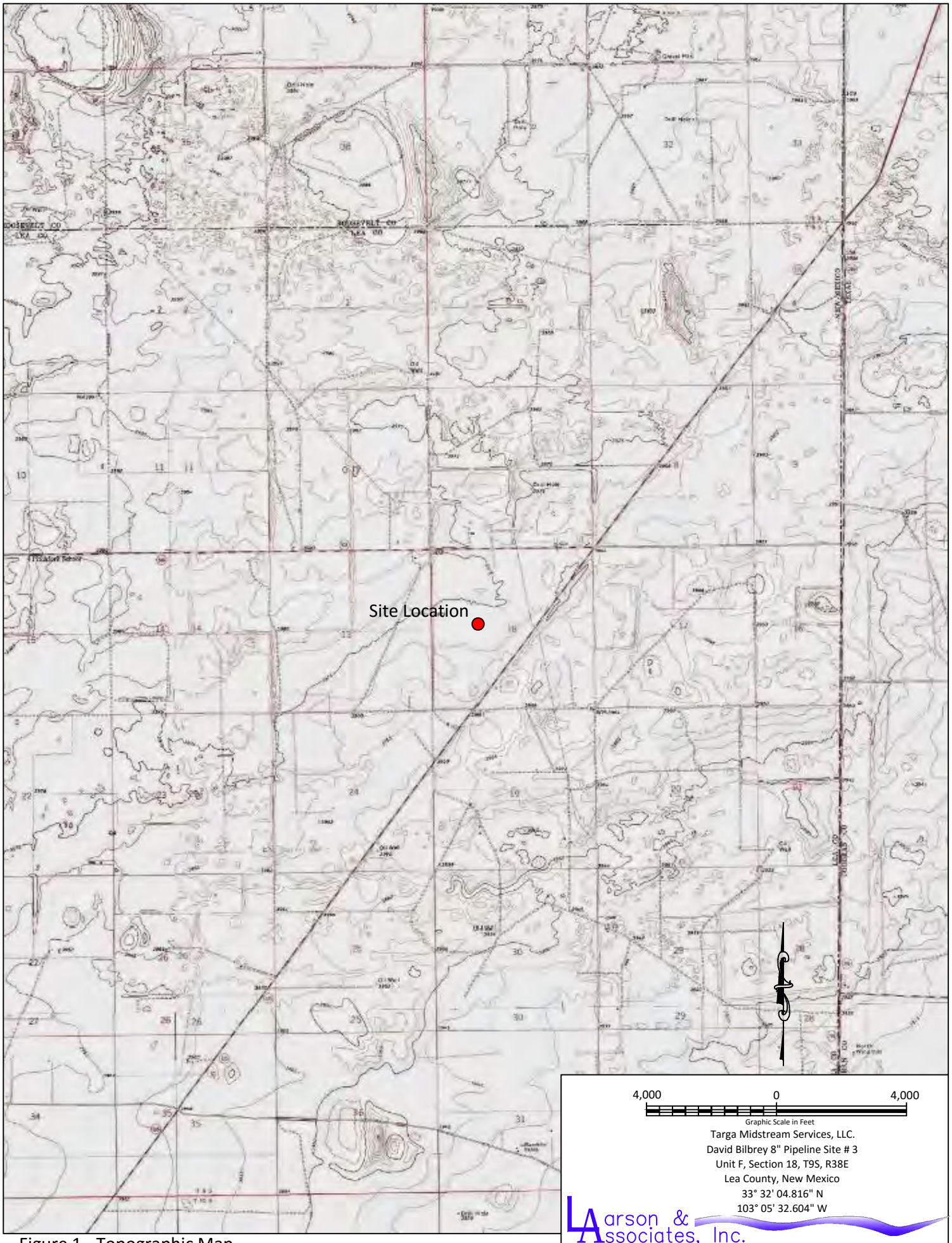


Figure 1 - Topographic Map

Legend

HA - 1 - Sample Location

SB-4 - Soil Boring Location, March 10, 2016

SB-1 - Soil Boring Locations, March 04, 2016

20 0 20

Graphic Scale in Feet

Targa Midstream Services, LLC.
David Bilbrey 8" Pipeline Site # 3
Unit F, Section 18, T9S, R38E
Lea County, New Mexico
33° 32' 04.816" N
103° 05' 32.604" W

Larson & Associates, Inc.
Environmental Consultants

Figure 2 - Aerial Map

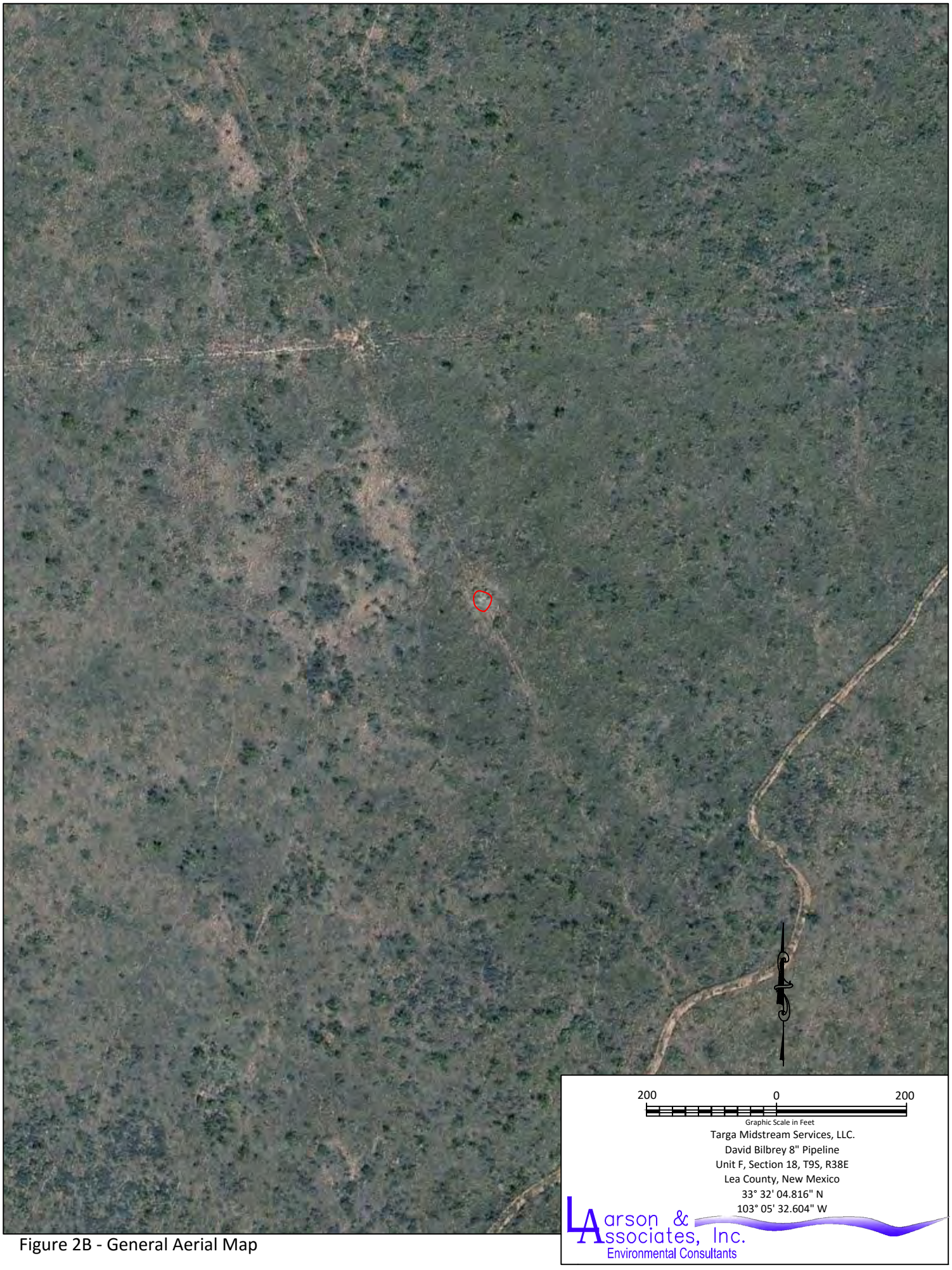


Figure 2B - General Aerial Map

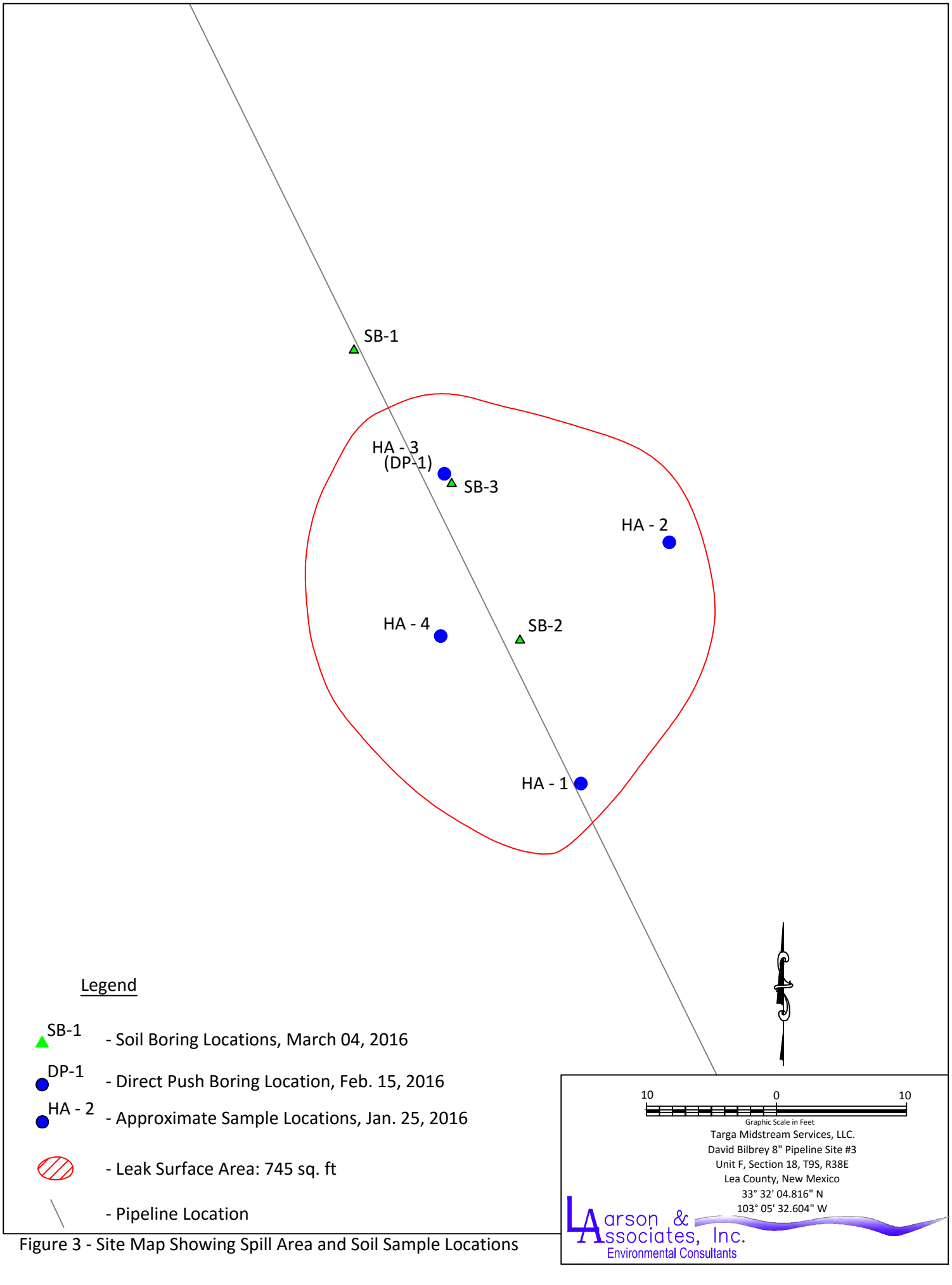
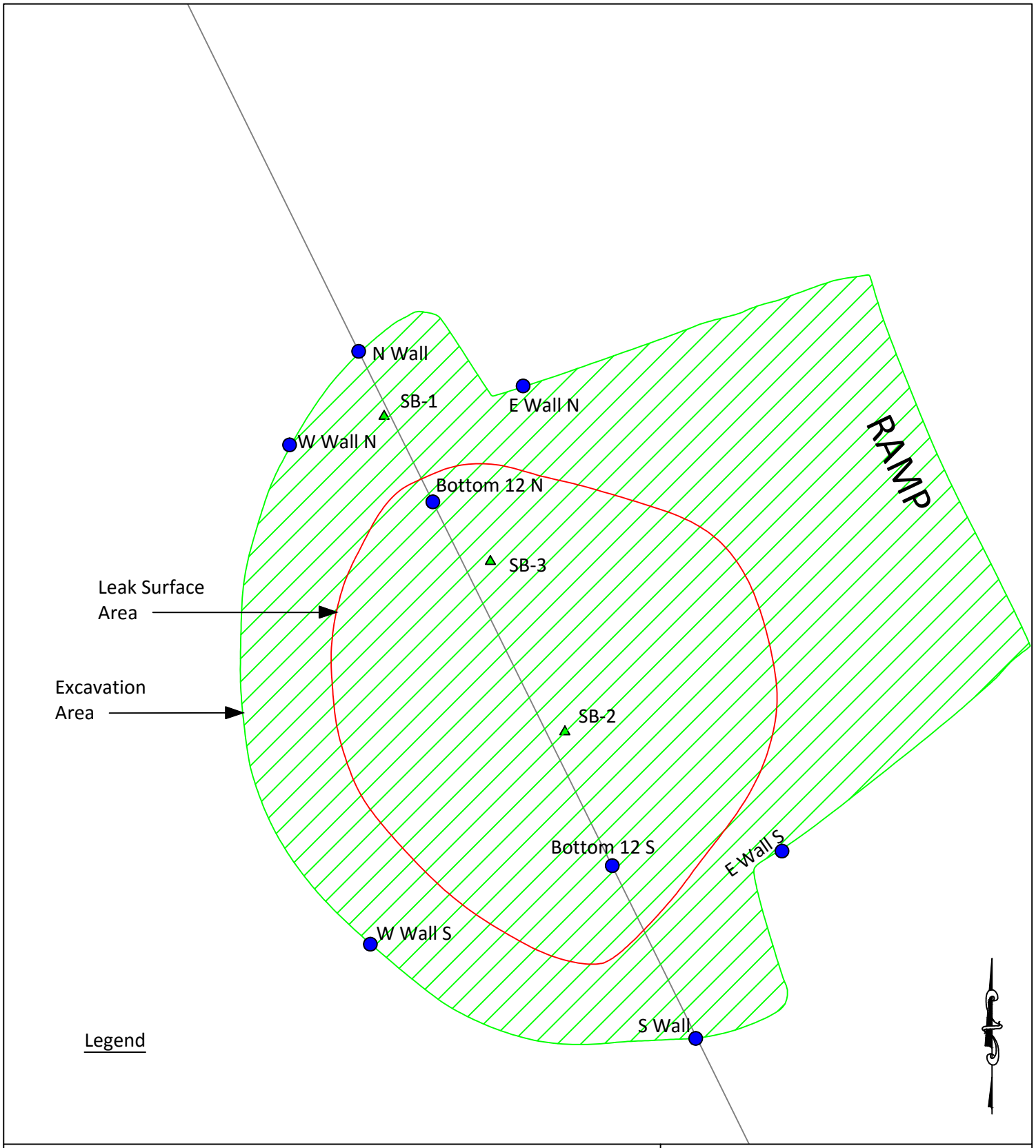


Figure 3 - Site Map Showing Spill Area and Soil Sample Locations



N Wall - Approximate Sample Locations, April 26-29, 2016

- Leak Surface Area: 944 sq. ft
- Pipeline Location
- Excavation Area: 2,389 sq. ft

SB-1 - Soil Boring Locations, March 04, 2016

10 0 10

Graphic Scale in Feet

Targa Midstream Services, LLC.
David Bilbrey 8" Pipeline Site # 3
Unit F, Section 18, T9S, R38E
Lea County, New Mexico
33° 32' 04.816" N
103° 05' 32.604" W

Larson & Associates, Inc.
Environmental Consultants

8.5" x 11"

Figure 4 - Site Map Showing Excavation Area and Soil Sample Locations

APPENDIX A

Laboratory Reports

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
(BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972•242•7750
E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Travis Williams
Larson and Associates, Inc.

P. O. Box 50685
Midland, TX, 79710

Report Date: February 24, 2016

Work Order: 16021602

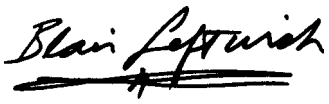
Project Name: David Bilbrey 8" Pipeline
Project Number: 15-0171-03

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
414381	HA 3-3	soil	2016-02-15	12:20	2016-02-16
414382	HA 3-4	soil	2016-02-15	12:28	2016-02-16
414383	HA 3-6	soil	2016-02-15	12:46	2016-02-16
414384	HA 3-7	soil	2016-02-15	12:41	2016-02-16
414385	HA 3-8	soil	2016-02-15	12:35	2016-02-16

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TraceAnalysis, Inc. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested, company, sampler, contacts and any special remarks.



Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Brian Pellam, Operations Manager

Report Contents

Case Narrative

Samples for project David Bilbrey 8" Pipeline were received by TraceAnalysis, Inc. on 2016-02-16 and assigned to work order 16021602. Samples for work order 16021602 were received intact at a temperature of 3.4 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	108639	2016-02-18 at 11:17	128315	2016-02-19 at 09:25
Chloride (IC)	E 300.0	108679	2016-02-19 at 12:00	128347	2016-02-19 at 13:49
Chloride (IC)	E 300.0	108739	2016-02-23 at 10:00	128416	2016-02-23 at 10:08
TPH DRO	S 8015 D	108612	2016-02-17 at 13:17	128267	2016-02-17 at 14:41
TPH GRO	S 8015 D	108639	2016-02-18 at 11:17	128316	2016-02-19 at 09:28
TPH ORO	S 8015 D	108612	2016-02-17 at 13:17	128268	2016-02-17 at 14:43

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 16021602 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 414381 - HA 3-3

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	128315	Date Analyzed:	2016-02-19	Analyzed By:	AK
Prep Batch:	108639	Sample Preparation:	2016-02-18	Prepared By:	AK

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene	U	3	<0.0200	mg/Kg	1	0.0200
Toluene	U	3	<0.0200	mg/Kg	1	0.0200
Ethylbenzene		3	**0.0411**	mg/Kg	1	0.0200
Xylene		3	**0.0597**	mg/Kg	1	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.71	mg/Kg	1	2.00	86	70 - 130
4-Bromofluorobenzene (4-BFB)			1.83	mg/Kg	1	2.00	92	70 - 130

Sample: 414381 - HA 3-3

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	128416	Date Analyzed:	2016-02-23	Analyzed By:	RL
Prep Batch:	108739	Sample Preparation:		Prepared By:	RL

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Chloride	Qr	1,2,4	**55.7**	mg/Kg	1	25.0

Sample: 414381 - HA 3-3

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	128267	Date Analyzed:	2016-02-17	Analyzed By:	JL
Prep Batch:	108612	Sample Preparation:		Prepared By:	JL

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
DRO	Qr,U	3	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			50.2	mg/Kg	1	50.0	100	70 - 130

Sample: 414381 - HA 3-3

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	128316	Date Analyzed:	2016-02-19	Analyzed By:	AK
Prep Batch:	108639	Sample Preparation:	2016-02-18	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	U	3	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.85	mg/Kg	1	2.00	92	70 - 130
4-Bromofluorobenzene (4-BFB)			2.04	mg/Kg	1	2.00	102	70 - 130

Sample: 414381 - HA 3-3

Laboratory:	Midland				
Analysis:	TPH ORO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	128268	Date Analyzed:	2016-02-17	Analyzed By:	JL
Prep Batch:	108612	Sample Preparation:		Prepared By:	JL

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO			**0.00**	<50.0	<50.0	<50.0	mg/Kg	1	0.00	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			50.2	mg/Kg	1	50.0	100	70 - 130
n-Triacontane			54.5	mg/Kg	1	50.0	109	37.1 - 162

Sample: 414382 - HA 3-4

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	128315	Date Analyzed:	2016-02-19	Analyzed By:	AK
Prep Batch:	108639	Sample Preparation:	2016-02-18	Prepared By:	AK

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene		3	**1.92**	mg/Kg	50	0.0200
Toluene		3	**5.99**	mg/Kg	50	0.0200
Ethylbenzene		3	**14.6**	mg/Kg	50	0.0200
Xylene		3	**28.2**	mg/Kg	50	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			92.8	mg/Kg	50	100	93	70 - 130
4-Bromofluorobenzene (4-BFB)			89.2	mg/Kg	50	100	89	70 - 130

Sample: 414382 - HA 3-4

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	128347	Date Analyzed:	2016-02-19	Analyzed By:	RL
Prep Batch:	108679	Sample Preparation:		Prepared By:	RL

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Chloride		1,2,4	**638**	mg/Kg	5	25.0

Sample: 414382 - HA 3-4

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	128267	Date Analyzed:	2016-02-17	Analyzed By:	JL
Prep Batch:	108612	Sample Preparation:		Prepared By:	JL

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
DRO	Qr	3	**1780**	mg/Kg	10	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			56.1	mg/Kg	10	50.0	112	70 - 130

Sample: 414382 - HA 3-4

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	128316	Date Analyzed:	2016-02-19	Analyzed By:	AK
Prep Batch:	108639	Sample Preparation:	2016-02-18	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO		3	**775**	mg/Kg	50	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			97.8	mg/Kg	50	100	98	70 - 130
4-Bromofluorobenzene (4-BFB)			116	mg/Kg	50	100	116	70 - 130

Sample: 414382 - HA 3-4

Laboratory:	Midland				
Analysis:	TPH ORO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	128268	Date Analyzed:	2016-02-17	Analyzed By:	JL
Prep Batch:	108612	Sample Preparation:		Prepared By:	JL

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO			**0.00**	<500	<500	<500	mg/Kg	10	0.00	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			56.1	mg/Kg	10	50.0	112	70 - 130
n-Triacontane			53.8	mg/Kg	10	50.0	108	37.1 - 162

Sample: 414383 - HA 3-6

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	128315	Date Analyzed:	2016-02-19	Analyzed By:	AK
Prep Batch:	108639	Sample Preparation:	2016-02-18	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	Qs	3	**4.96**	mg/Kg	100	0.0200
Toluene	Qs	3	**58.8**	mg/Kg	100	0.0200
Ethylbenzene	Qs	3	**145**	mg/Kg	100	0.0200
Xylene	Qs	3	**144**	mg/Kg	100	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			179	mg/Kg	100	200	90	70 - 130
4-Bromofluorobenzene (4-BFB)			204	mg/Kg	100	200	102	70 - 130

Sample: 414383 - HA 3-6

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	128347	Date Analyzed:	2016-02-19	Analyzed By:	RL
Prep Batch:	108679	Sample Preparation:		Prepared By:	RL

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Chloride		1,2,4	**2030**	mg/Kg	5	25.0

Sample: 414383 - HA 3-6

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	128267	Date Analyzed:	2016-02-17	Analyzed By:	JL
Prep Batch:	108612	Sample Preparation:		Prepared By:	JL

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
DRO	Qr	3	**5210**	mg/Kg	10	50.0

Surrogate		Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane	Qsr	Qsr		117	mg/Kg	10	50.0	234	70 - 130

Sample: 414383 - HA 3-6

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	128316	Date Analyzed:	2016-02-19	Analyzed By:	AK
Prep Batch:	108639	Sample Preparation:	2016-02-18	Prepared By:	AK

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
GRO	Qs	3	**3660**	mg/Kg	100	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			192	mg/Kg	100	200	96	70 - 130
4-Bromofluorobenzene (4-BFB)	Qsr	Qsr	280	mg/Kg	100	200	140	70 - 130

Sample: 414383 - HA 3-6

Laboratory:	Midland				
Analysis:	TPH ORO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	128268	Date Analyzed:	2016-02-17	Analyzed By:	JL
Prep Batch:	108612	Sample Preparation:		Prepared By:	JL

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO			**0.00**	<500	<500	<500	mg/Kg	10	0.00	50.0	50.0	50.0

Surrogate		Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane	Qsr	Qsr		117	mg/Kg	10	50.0	234	70 - 130
n-Triacontane				67.4	mg/Kg	10	50.0	135	37.1 - 162

Sample: 414384 - HA 3-7

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	128315	Date Analyzed:	2016-02-19	Analyzed By:	AK
Prep Batch:	108639	Sample Preparation:	2016-02-18	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene		3	**2.86**	mg/Kg	5	0.0200
Toluene	Je	3	**42.4**	mg/Kg	5	0.0200
Ethylbenzene	Je	3	**97.2**	mg/Kg	5	0.0200
Xylene		3	**92.8**	mg/Kg	5	0.0200

Surrogate		Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)				7.80	mg/Kg	5	10.0	78	70 - 130
4-Bromofluorobenzene (4-BFB)	Qsr	Qsr		23.4	mg/Kg	5	10.0	234	70 - 130

Sample: 414384 - HA 3-7

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	128347	Date Analyzed:	2016-02-19	Analyzed By:	RL
Prep Batch:	108679	Sample Preparation:		Prepared By:	RL

continued ...

sample 414384 continued ...

Parameter	Flag	Cert	RL Result	Units	Dilution	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		1,2,4	**2030**	mg/Kg	5	25.0

Sample: 414384 - HA 3-7

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	128267	Date Analyzed:	2016-02-17	Analyzed By:	JL
Prep Batch:	108612	Sample Preparation:		Prepared By:	JL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO	Qr	3	**2730**	mg/Kg	10	50.0

Surrogate		Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane	Qsr	Qsr		94.0	mg/Kg	10	50.0	188	70 - 130

Sample: 414384 - HA 3-7

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	128316	Date Analyzed:	2016-02-19	Analyzed By:	AK
Prep Batch:	108639	Sample Preparation:	2016-02-18	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO		3	**2470**	mg/Kg	50	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			95.2	mg/Kg	50	100	95	70 - 130
4-Bromofluorobenzene (4-BFB)	Qsr	Qsr	146	mg/Kg	50	100	146	70 - 130

Sample: 414384 - HA 3-7

Laboratory:	Midland				
Analysis:	TPH ORO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	128268	Date Analyzed:	2016-02-17	Analyzed By:	JL
Prep Batch:	108612	Sample Preparation:		Prepared By:	JL

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO			**0.00**	<500	<500	<500	mg/Kg	10	0.00	50.0	50.0	50.0

Surrogate		Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane	Qsr	Qsr		94.0	mg/Kg	10	50.0	188	70 - 130
n-Triacontane				55.0	mg/Kg	10	50.0	110	37.1 - 162

Sample: 414385 - HA 3-8

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	128315	Date Analyzed:	2016-02-19	Analyzed By:	AK
Prep Batch:	108639	Sample Preparation:	2016-02-18	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene		3	**3.68**	mg/Kg	5	0.0200
Toluene	Je	3	**44.2**	mg/Kg	5	0.0200
Ethylbenzene	Je	3	**84.2**	mg/Kg	5	0.0200
Xylene		3	**78.8**	mg/Kg	5	0.0200

Surrogate		Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)				7.61	mg/Kg	5	10.0	76	70 - 130
4-Bromofluorobenzene (4-BFB)	Qsr	Qsr		22.8	mg/Kg	5	10.0	228	70 - 130

Sample: 414385 - HA 3-8

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	128347	Date Analyzed:	2016-02-19	Analyzed By:	RL
Prep Batch:	108679	Sample Preparation:		Prepared By:	RL

continued ...

sample 414385 continued ...

Parameter	Flag	Cert	RL Result	Units	Dilution	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		1,2,4	**2450**	mg/Kg	5	25.0

Sample: 414385 - HA 3-8

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	128267	Date Analyzed:	2016-02-17	Analyzed By:	JL
Prep Batch:	108612	Sample Preparation:		Prepared By:	JL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO	Qr	3	**2350**	mg/Kg	5	50.0

Surrogate		Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane	Qsr	Qsr		108	mg/Kg	5	50.0	216	70 - 130

Sample: 414385 - HA 3-8

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	128316	Date Analyzed:	2016-02-19	Analyzed By:	AK
Prep Batch:	108639	Sample Preparation:	2016-02-18	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO		3	**1990**	mg/Kg	50	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			88.3	mg/Kg	50	100	88	70 - 130
4-Bromofluorobenzene (4-BFB)			119	mg/Kg	50	100	119	70 - 130

Sample: 414385 - HA 3-8

Laboratory:	Midland				
Analysis:	TPH ORO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	128268	Date Analyzed:	2016-02-17	Analyzed By:	JL
Prep Batch:	108612	Sample Preparation:		Prepared By:	JL

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO			**0.00**	<250	<250	<250	mg/Kg	5	0.00	50.0	50.0	50.0

Surrogate		Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane	Qsr	Qsr		108	mg/Kg	5	50.0	216	70 - 130
n-Triacontane				59.9	mg/Kg	5	50.0	120	37.1 - 162

Method Blanks

Method Blank (1) QC Batch: 128267

QC Batch:	128267	Date Analyzed:	2016-02-17	Analyzed By:	JL
Prep Batch:	108612	QC Preparation:	2016-02-17	Prepared By:	JL

Parameter	Flag	Cert	MDL Result	Units	RL
DRO		3	<7.41	mg/Kg	50

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			47.0	mg/Kg	1	50.0	94	70 - 130

Method Blank (1) QC Batch: 128268

QC Batch:	128268	Date Analyzed:	2016-02-17	Analyzed By:	JL
Prep Batch:	108612	QC Preparation:	2016-02-17	Prepared By:	JL

Parameter	Flag	Cert	MDL Result	Units	RL
ORO			0.00	mg/Kg	50

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			47.0	mg/Kg	1	50.0	94	70 - 130
n-Triacontane			53.0	mg/Kg	1	50.0	106	37.1 - 162

Method Blank (1) QC Batch: 128315

QC Batch:	128315	Date Analyzed:	2016-02-19	Analyzed By:	AK
Prep Batch:	108639	QC Preparation:	2016-02-18	Prepared By:	AK

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		3	<0.0100	mg/Kg	0.02
Toluene		3	<0.0156	mg/Kg	0.02
Ethylbenzene		3	<0.0151	mg/Kg	0.02

continued . . .

method blank continued ...

Parameter	Flag	Cert	MDL Result	Units	RL
Xylene		3	<0.00430	mg/Kg	0.02

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.46	mg/Kg	1	2.00	73	70 - 130
4-Bromofluorobenzene (4-BFB)			1.41	mg/Kg	1	2.00	70	70 - 130

Method Blank (1) QC Batch: 128316

QC Batch:	128316	Date Analyzed:	2016-02-19	Analyzed By:	AK
Prep Batch:	108639	QC Preparation:	2016-02-18	Prepared By:	AK

Parameter	Flag	Cert	MDL Result	Units	RL
GRO		3	<1.76	mg/Kg	4

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.50	mg/Kg	1	2.00	75	70 - 130
4-Bromofluorobenzene (4-BFB)			1.41	mg/Kg	1	2.00	70	70 - 130

Method Blank (1) QC Batch: 128347

QC Batch:	128347	Date Analyzed:	2016-02-19	Analyzed By:	RL
Prep Batch:	108679	QC Preparation:	2016-02-19	Prepared By:	RL

Parameter	Flag	Cert	MDL Result	Units	RL
Chloride		1,2,4	<8.34	mg/Kg	25

Method Blank (1) QC Batch: 128416

QC Batch:	128416	Date Analyzed:	2016-02-23	Analyzed By:	RL
Prep Batch:	108739	QC Preparation:	2016-02-23	Prepared By:	RL

Parameter	Flag	Cert	MDL Result	Units	RL
Chloride		1,2,4	<8.34	mg/Kg	25

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 128267 | Date Analyzed: 2016-02-17 | Analyzed By: JL
Prep Batch: 108612 | QC Preparation: 2016-02-17 | Prepared By: JL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO		3	220	mg/Kg	1	250	<7.41	88	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO		3	209	mg/Kg	1	250	<7.41	84	70 - 130	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Tricosane	53.3	50.9	mg/Kg	1	50.0	107	102	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 128268 | Date Analyzed: 2016-02-17 | Analyzed By: JL
Prep Batch: 108612 | QC Preparation: 2016-02-17 | Prepared By: JL

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Tricosane	53.3	50.9	mg/Kg	1	50.0	107	102	70 - 130
n-Triacontane	57.0	53.9	mg/Kg	1	50.0	114	108	54.8 - 164

Laboratory Control Spike (LCS-1)

QC Batch: 128315 | Date Analyzed: 2016-02-19 | Analyzed By: AK
Prep Batch: 108639 | QC Preparation: 2016-02-18 | Prepared By: AK

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		3	2.07	mg/Kg	1	2.00	<0.0100	104	70 - 130
Toluene		3	2.05	mg/Kg	1	2.00	<0.0156	102	70 - 130
Ethylbenzene		3	2.08	mg/Kg	1	2.00	<0.0151	104	70 - 130
Xylene		3	5.95	mg/Kg	1	6.00	<0.00430	99	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		3	2.05	mg/Kg	1	2.00	<0.0100	102	70 - 130	1	20
Toluene		3	2.02	mg/Kg	1	2.00	<0.0156	101	70 - 130	2	20
Ethylbenzene		3	2.09	mg/Kg	1	2.00	<0.0151	104	70 - 130	0	20
Xylene		3	5.85	mg/Kg	1	6.00	<0.00430	98	70 - 130	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.74	1.91	mg/Kg	1	2.00	87	96	70 - 130
4-Bromofluorobenzene (4-BFB)	1.81	1.86	mg/Kg	1	2.00	90	93	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 128316 Date Analyzed: 2016-02-19 Analyzed By: AK
Prep Batch: 108639 QC Preparation: 2016-02-18 Prepared By: AK

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO		3	19.2	mg/Kg	1	20.0	<1.76	96	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO		3	18.5	mg/Kg	1	20.0	<1.76	92	70 - 130	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	2.06	1.92	mg/Kg	1	2.00	103	96	70 - 130
4-Bromofluorobenzene (4-BFB)	1.85	1.74	mg/Kg	1	2.00	92	87	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 128347 | Date Analyzed: 2016-02-19 | Analyzed By: RL
Prep Batch: 108679 | QC Preparation: 2016-02-19 | Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,2,4	256	mg/Kg	1	250	<8.34	102	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,2,4	254	mg/Kg	1	250	<8.34	102	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 128416 | Date Analyzed: 2016-02-23 | Analyzed By: RL
Prep Batch: 108739 | QC Preparation: 2016-02-23 | Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,2,4	252	mg/Kg	1	250	<8.34	101	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,2,4	255	mg/Kg	1	250	<8.34	102	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

Matrix Spike (xMS-1) Spiked Sample: 414350

QC Batch: 128267 | Date Analyzed: 2016-02-17 | Analyzed By: JL
Prep Batch: 108612 | QC Preparation: 2016-02-17 | Prepared By: JL

Param		F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	Qs	Qs	3	419	mg/Kg	1	250	73.2	138	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	Qr	Qr	3	288	mg/Kg	1	250	73.2	86	70 - 130	37	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Tricosane	58.8	49.4	mg/Kg	1	50	118	99	70 - 130

Matrix Spike (xMS-1) Spiked Sample: 414350

QC Batch: 128268 | Date Analyzed: 2016-02-17 | Analyzed By: JL
Prep Batch: 108612 | QC Preparation: 2016-02-17 | Prepared By: JL

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Tricosane	58.8	49.4	mg/Kg	1	50	118	99	70 - 130
n-Triacontane	53.7	49.2	mg/Kg	1	50	107	98	10 - 258

Matrix Spike (MS-1) Spiked Sample: 414383

QC Batch: 128315 | Date Analyzed: 2016-02-19 | Analyzed By: AK
Prep Batch: 108639 | QC Preparation: 2016-02-18 | Prepared By: AK

Param		F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	[1] Qs	Qs	3	5.56	mg/Kg	100	2.00	4.96	30	70 - 130
Toluene	Qs	Qs	3	37.8	mg/Kg	100	2.00	58.8	-1050	70 - 130
Ethylbenzene	Qs	Qs	3	96.7	mg/Kg	100	2.00	145	-2415	70 - 130
Xylene	Qs	Qs	3	101	mg/Kg	100	6.00	144	-715	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	[2] Qs	Qs	3	4.90	mg/Kg	100	2.00	4.96	-3	70 - 130	13	20
Toluene	Qs	Qs	3	32.3	mg/Kg	100	2.00	58.8	-1325	70 - 130	16	20
Ethylbenzene	Qs	Qs	3	93.0	mg/Kg	100	2.00	145	-2600	70 - 130	4	20
Xylene	Qs	Qs	3	97.1	mg/Kg	100	6.00	144	-780	70 - 130	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate			MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	Qsr	Qsr	168	163	mg/Kg	100	100	168	82	70 - 130
4-Bromofluorobenzene (4-BFB)	Qsr	Qsr	183	171	mg/Kg	100	100	183	86	70 - 130

Matrix Spike (MS-1) Spiked Sample: 414383

QC Batch: 128316 | Date Analyzed: 2016-02-19 | Analyzed By: AK
Prep Batch: 108639 | QC Preparation: 2016-02-18 | Prepared By: AK

Param		F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	[3] Qs	Qs	3	3060	mg/Kg	100	20.0	3661	-3005	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	[4] Qs	Qs	3	2510	mg/Kg	100	20.0	3661	-5755	70 - 130	20	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	197	178	mg/Kg	100	200	98	89	70 - 130
4-Bromofluorobenzene (4-BFB)	252	235	mg/Kg	100	200	126	118	70 - 130

Matrix Spike (MS-1) Spiked Sample: 414538

QC Batch: 128347 | Date Analyzed: 2016-02-19 | Analyzed By: RL
Prep Batch: 108679 | QC Preparation: 2016-02-19 | Prepared By: RL

Param		F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	Qs	Qs	1,2,4	1350	mg/Kg	5	250	1720	-148	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	Qs	Qs	1,2,4	1350	mg/Kg	5	250	1720	-148	80 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 413932

QC Batch: 128416 | Date Analyzed: 2016-02-23 | Analyzed By: RL
Prep Batch: 108739 | QC Preparation: 2016-02-23 | Prepared By: RL

Param		F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	Qs	Qs	1,2,4	485	mg/Kg	1	250	64.1	168	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	Qr	Qr	1,2,4	301	mg/Kg	1	250	64.1	95	80 - 120	47	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Calibration Standards

Standard (CCV-1)

QC Batch: 128267 | Date Analyzed: 2016-02-17 | Analyzed By: JL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		3	mg/Kg	250	211	84	80 - 120	2016-02-17

Standard (CCV-2)

QC Batch: 128267 | Date Analyzed: 2016-02-17 | Analyzed By: JL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		3	mg/Kg	250	258	103	80 - 120	2016-02-17

Standard (CCV-1)

QC Batch: 128315 | Date Analyzed: 2016-02-19 | Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		3	mg/kg	0.100	0.101	101	80 - 120	2016-02-19
Toluene		3	mg/kg	0.100	0.0992	99	80 - 120	2016-02-19
Ethylbenzene		3	mg/kg	0.100	0.103	103	80 - 120	2016-02-19
Xylene		3	mg/kg	0.300	0.280	93	80 - 120	2016-02-19

Standard (CCV-2)

QC Batch: 128315 | Date Analyzed: 2016-02-19 | Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		3	mg/kg	0.100	0.0965	96	80 - 120	2016-02-19
Toluene		3	mg/kg	0.100	0.0979	98	80 - 120	2016-02-19
Ethylbenzene		3	mg/kg	0.100	0.0992	99	80 - 120	2016-02-19
Xylene		3	mg/kg	0.300	0.275	92	80 - 120	2016-02-19

Standard (CCV-1)

QC Batch: 128316 Date Analyzed: 2016-02-19 Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		3	mg/Kg	1.00	0.981	98	80 - 120	2016-02-19

Standard (CCV-2)

QC Batch: 128316 Date Analyzed: 2016-02-19 Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		3	mg/Kg	1.00	1.09	109	80 - 120	2016-02-19

Standard (CCV-1)

QC Batch: 128347 Date Analyzed: 2016-02-19 Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,2,4	mg/Kg	25.0	25.4	102	90 - 110	2016-02-19

Standard (CCV-2)

QC Batch: 128347 Date Analyzed: 2016-02-19 Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,2,4	mg/Kg	25.0	25.5	102	90 - 110	2016-02-19

Standard (CCV-1)

QC Batch: 128416 Date Analyzed: 2016-02-23 Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,2,4	mg/Kg	25.0	25.5	102	90 - 110	2016-02-23

Standard (CCV-2)

QC Batch: 128416 Date Analyzed: 2016-02-23 Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,2,4	mg/Kg	25.0	25.4	102	90 - 110	2016-02-23

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	LELAP	LELAP-02003	Lubbock
2	NELAP	T104704219-15-11	Lubbock
3	NELAP	T104704392-14-8	Midland
4		2015-066	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less then ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Result Comments

1 Analyst prep error, no spike. LCS/LCSD shows recovery for batch.
2 Analyst prep error, no spike. LCS/LCSD shows recovery for batch.
3 Analyst prep error, no spike. LCS/LCSD shows recovery for batch.
4 Analyst prep error, no spike. LCS/LCSD shows recovery for batch.

Attachments

The scanned attachments will follow this page.
Please note, each attachment may consist of more than one page.

Trace Labs

WO#: 16021602

CHAIN-OF-CUSTODY

Larson & Associates, Inc.
Environmental Consultants

507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

Data Reported to:

DATE: 2/16/2016 PAGE 1 OF 1

PO #: LAB WORK ORDER #:

PROJECT LOCATION OR NAME: David Bilbrey 8" Pipeline

LAI PROJECT #: 15-0171-03 COLLECTOR: Travis Williams

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MST / NM

(S=SOIL) W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

PRESERVATION: HCl | HNO_3 | H_2SO_4 ☐ NaOH ☐ | ICE | UNPRESERVED

ANALYSES: BTEX ☒ MTBE ☐ | TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐ | GASOLINE MOD 8015 ☒ | DIESEL - MOD 8015 ☒ | VOC 8260 ☐ | SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ | 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ | 8082 PCBS ☐ | TCLP - METALS (RCRA) ☐ TCLP VOC ☐ | TCLP - PEST ☐ HERB ☐ Semi-VOC ☐ | TOTAL METALS (RCRA) ☐ OTHER LIST ☐ | LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐ | RCI ☐ TOX ☐ FLASHPOINT ☐ | TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ | pH ☐ HEXAVALENT CHROMIUM ☐ | EXPLOSIVES ☐ PECHLORATE ☐ | CHLORIDE ☒ ANIONS ☐ ALKALINITY ☐ | ORO

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 NaOH	ICE	UNPRESERVED	BTEX	TRPH	GASOLINE	DIESEL	CHLORIDE	ORO	FIELD NOTES
HA 3-3		2/15/16	12:20	S	1				X		X	X	X				414381
HA3-4			12:28												X	X	Chloride by 414382 method 300
HA3-5			12:50														
HA3-6			12:46														414383
HA3-7			12:41														414384
HA3-8			12:35														414385

TOTAL

RELINQUISHED BY:(Signature) DATE/TIME 2/16/16 9:00 RECEIVED BY: (Signature) 2/16/16 9:00

RELINQUISHED BY:(Signature) DATE/TIME 2/16/16 11:48 RECEIVED BY: (Signature)

RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature) TA 2/17/16

TURN AROUND TIME: NORMAL ☒ 1 DAY ☐ 2 DAY ☐ OTHER ☐ 1.0 2.2 2.0

LABORATORY USE ONLY:

RECEIVING TEMP: 3.4 THERM #: IR

CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED

☐ CARRIER BILL # BS: CT4 33898

☑ HAND DELIVERED

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
(BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972•242•7750
E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Michael Gant
Larson and Associates, Inc.

P. O. Box 50685
Midland, TX, 79710

Report Date: February 1, 2016

Work Order: 16012606

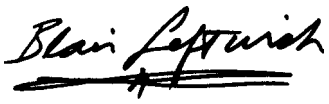
Project Name: David Bilbrey 8" Pipeline
Project Number: 15-0171-03

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
412628	HA-1-1'	soil	2016-01-25	13:15	2016-01-26
412629	HA-1-2'	soil	2016-01-25	13:25	2016-01-26
412630	HA-2-1'	soil	2016-01-25	13:38	2016-01-26
412631	HA-2-2'	soil	2016-01-25	13:48	2016-01-26
412632	HA-3-1'	soil	2016-01-25	14:00	2016-01-26
412633	HA-3-2'	soil	2016-01-25	14:08	2016-01-26
412634	HA-4-1'	soil	2016-01-25	14:17	2016-01-26
412635	HA-4-2'	soil	2016-01-25	14:25	2016-01-26

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TraceAnalysis, Inc. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested, company, sampler, contacts and any special remarks.



Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Brian Pellam, Operations Manager

Report Contents

Case Narrative

Samples for project David Bilbrey 8" Pipeline were received by TraceAnalysis, Inc. on 2016-01-26 and assigned to work order 16012606. Samples for work order 16012606 were received intact at a temperature of 4.7 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (IC)	E 300.0	108227	2016-01-26 at 11:10	127841	2016-01-28 at 08:53
Chloride (IC)	E 300.0	108248	2016-01-29 at 15:00	127864	2016-01-30 at 10:58
TPH DRO	S 8015 D	108162	2016-01-27 at 08:51	127766	2016-01-27 at 08:57
TPH GRO	S 8015 D	108163	2016-01-26 at 14:30	127788	2016-01-28 at 07:15
TPH ORO	S 8015 D	108162	2016-01-27 at 08:51	127767	2016-01-27 at 08:59

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 16012606 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 412628 - HA-1-1'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	127841	Date Analyzed:	2016-01-28	Analyzed By:	RL
Prep Batch:	108227	Sample Preparation:		Prepared By:	RL

Parameter	Flag	Cert	Result	Units	Dilution	RL
Chloride	U	1,2,4	<25.0	mg/Kg	1	25.0

Sample: 412628 - HA-1-1'

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	127766	Date Analyzed:	2016-01-27	Analyzed By:	JL
Prep Batch:	108162	Sample Preparation:	2016-01-27	Prepared By:	JL

Parameter	Flag	Cert	Result	Units	Dilution	RL
DRO	B,U	3	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			56.1	mg/Kg	1	50.0	112	70 - 130

Sample: 412628 - HA-1-1'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	127788	Date Analyzed:	2016-01-28	Analyzed By:	AK
Prep Batch:	108163	Sample Preparation:	2016-01-26	Prepared By:	AK

Parameter	Flag	Cert	Result	Units	Dilution	RL
GRO	Qr,Qs,U	3	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.83	mg/Kg	1	2.00	92	70 - 130

continued ...

sample continued . . .

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
4-Bromofluorobenzene (4-BFB)			2.08	mg/Kg	1	2.00	104	70 - 130

Sample: 412628 - HA-1-1'

Laboratory:	Midland				
Analysis:	TPH ORO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	127767	Date Analyzed:	2016-01-27	Analyzed By:	JL
Prep Batch:	108162	Sample Preparation:	2016-01-27	Prepared By:	JL

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO			**0.00**	<50.0	<50.0	<50.0	mg/Kg	1	0.00	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			56.1	mg/Kg	1	50.0	112	70 - 130
n-Triacontane			58.6	mg/Kg	1	50.0	117	37.1 - 162

Sample: 412629 - HA-1-2'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	127864	Date Analyzed:	2016-01-30	Analyzed By:	RL
Prep Batch:	108248	Sample Preparation:		Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		1,2,4	<25.0	mg/Kg	1	25.0

Sample: 412629 - HA-1-2'

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	127766	Date Analyzed:	2016-01-27	Analyzed By:	JL
Prep Batch:	108162	Sample Preparation:	2016-01-27	Prepared By:	JL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO	B,U	3	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			49.6	mg/Kg	1	50.0	99	70 - 130

Sample: 412629 - HA-1-2'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	127788	Date Analyzed:	2016-01-28	Analyzed By:	AK
Prep Batch:	108163	Sample Preparation:	2016-01-26	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	Qr,U	3	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.63	mg/Kg	1	2.00	82	70 - 130
4-Bromofluorobenzene (4-BFB)			1.68	mg/Kg	1	2.00	84	70 - 130

Sample: 412629 - HA-1-2'

Laboratory:	Midland				
Analysis:	TPH ORO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	127767	Date Analyzed:	2016-01-27	Analyzed By:	JL
Prep Batch:	108162	Sample Preparation:	2016-01-27	Prepared By:	JL

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO			**0.00**	<50.0	<50.0	<50.0	mg/Kg	1	0.00	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			49.6	mg/Kg	1	50.0	99	70 - 130
n-Triacontane			58.6	mg/Kg	1	50.0	117	37.1 - 162

Sample: 412630 - HA-2-1'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	127864	Date Analyzed:	2016-01-30	Analyzed By:	RL
Prep Batch:	108248	Sample Preparation:		Prepared By:	RL

Parameter	Flag	Cert	Result	Units	Dilution	RL
Chloride		1,2,4	<25.0	mg/Kg	1	25.0

Sample: 412630 - HA-2-1'

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	127766	Date Analyzed:	2016-01-27	Analyzed By:	JL
Prep Batch:	108162	Sample Preparation:	2016-01-27	Prepared By:	JL

Parameter	Flag	Cert	Result	Units	Dilution	RL
DRO	B,U	3	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			50.7	mg/Kg	1	50.0	101	70 - 130

Sample: 412630 - HA-2-1'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	127788	Date Analyzed:	2016-01-28	Analyzed By:	AK
Prep Batch:	108163	Sample Preparation:	2016-01-26	Prepared By:	AK

Parameter	Flag	Cert	Result	Units	Dilution	RL
GRO	Qr,U	3	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.80	mg/Kg	1	2.00	90	70 - 130
4-Bromofluorobenzene (4-BFB)			2.02	mg/Kg	1	2.00	101	70 - 130

Sample: 412630 - HA-2-1'

Laboratory:	Midland				
Analysis:	TPH ORO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	127767	Date Analyzed:	2016-01-27	Analyzed By:	JL
Prep Batch:	108162	Sample Preparation:	2016-01-27	Prepared By:	JL

continued ...

sample 412630 continued ...

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO			**0.00**	<50.0	<50.0	<50.0	mg/Kg	1	0.00	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			50.7	mg/Kg	1	50.0	101	70 - 130
n-Triacontane			55.4	mg/Kg	1	50.0	111	37.1 - 162

Sample: 412631 - HA-2-2'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	127864	Date Analyzed:	2016-01-30	Analyzed By:	RL
Prep Batch:	108248	Sample Preparation:		Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		1,2,4	<25.0	mg/Kg	1	25.0

Sample: 412631 - HA-2-2'

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	127766	Date Analyzed:	2016-01-27	Analyzed By:	JL
Prep Batch:	108162	Sample Preparation:	2016-01-27	Prepared By:	JL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO	B,U	3	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			48.5	mg/Kg	1	50.0	97	70 - 130

Sample: 412631 - HA-2-2'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	127788	Date Analyzed:	2016-01-28	Analyzed By:	AK
Prep Batch:	108163	Sample Preparation:	2016-01-26	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	Qr,U	3	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.66	mg/Kg	1	2.00	83	70 - 130
4-Bromofluorobenzene (4-BFB)			1.90	mg/Kg	1	2.00	95	70 - 130

Sample: 412631 - HA-2-2'

Laboratory:	Midland				
Analysis:	TPH ORO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	127767	Date Analyzed:	2016-01-27	Analyzed By:	JL
Prep Batch:	108162	Sample Preparation:	2016-01-27	Prepared By:	JL

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO			**0.00**	<50.0	<50.0	<50.0	mg/Kg	1	0.00	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			48.5	mg/Kg	1	50.0	97	70 - 130
n-Triacontane			50.8	mg/Kg	1	50.0	102	37.1 - 162

Sample: 412632 - HA-3-1'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	127864	Date Analyzed:	2016-01-30	Analyzed By:	RL
Prep Batch:	108248	Sample Preparation:		Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		1,2,4	**45.4**	mg/Kg	1	25.0

Sample: 412632 - HA-3-1'

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	127766	Date Analyzed:	2016-01-27	Analyzed By:	JL
Prep Batch:	108162	Sample Preparation:	2016-01-27	Prepared By:	JL

Parameter	Flag	Cert	Result	RL Result	Units	Dilution	RL
DRO	B,U	3		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			50.7	mg/Kg	1	50.0	101	70 - 130

Sample: 412632 - HA-3-1'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	127788	Date Analyzed:	2016-01-28	Analyzed By:	AK
Prep Batch:	108163	Sample Preparation:	2016-01-26	Prepared By:	AK

Parameter	Flag	Cert	Result	RL Result	Units	Dilution	RL
GRO	Qr,U	3		<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.50	mg/Kg	1	2.00	75	70 - 130
4-Bromofluorobenzene (4-BFB)			1.67	mg/Kg	1	2.00	84	70 - 130

Sample: 412632 - HA-3-1'

Laboratory:	Midland				
Analysis:	TPH ORO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	127767	Date Analyzed:	2016-01-27	Analyzed By:	JL
Prep Batch:	108162	Sample Preparation:	2016-01-27	Prepared By:	JL

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO			**0.00**	<50.0	<50.0	<50.0	mg/Kg	1	0.00	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			51.8	mg/Kg	1	50.0	104	70 - 130

continued ...

sample continued . . .

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane			51.8	mg/Kg	1	50.0	104	37.1 - 162

Sample: 412633 - HA-3-2'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	127864	Date Analyzed:	2016-01-30	Analyzed By:	RL
Prep Batch:	108248	Sample Preparation:		Prepared By:	RL

Parameter	Flag	Cert	Result	RL	Units	Dilution	RL
Chloride		1,2,4	**45.5**		mg/Kg	1	25.0

Sample: 412633 - HA-3-2'

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	127766	Date Analyzed:	2016-01-27	Analyzed By:	JL
Prep Batch:	108162	Sample Preparation:	2016-01-27	Prepared By:	JL

Parameter	Flag	Cert	Result	RL	Units	Dilution	RL
DRO	B	3	**108**		mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			61.3	mg/Kg	1	50.0	123	70 - 130

Sample: 412633 - HA-3-2'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	127788	Date Analyzed:	2016-01-28	Analyzed By:	AK
Prep Batch:	108163	Sample Preparation:	2016-01-26	Prepared By:	AK

Parameter	Flag	Cert	Result	RL	Units	Dilution	RL
GRO	Qr,U	3	<4.00		mg/Kg	1	4.00

Surrogate		Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	Qsr	Qsr		1.37	mg/Kg	1	2.00	68	70 - 130
4-Bromofluorobenzene (4-BFB)				1.64	mg/Kg	1	2.00	82	70 - 130

Sample: 412633 - HA-3-2'

Laboratory:	Midland				
Analysis:	TPH ORO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	127767	Date Analyzed:	2016-01-27	Analyzed By:	JL
Prep Batch:	108162	Sample Preparation:	2016-01-27	Prepared By:	JL

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO			**0.00**	<50.0	<50.0	<50.0	mg/Kg	1	0.00	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			61.3	mg/Kg	1	50.0	123	70 - 130
n-Triacontane			57.6	mg/Kg	1	50.0	115	37.1 - 162

Sample: 412634 - HA-4-1'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	127864	Date Analyzed:	2016-01-30	Analyzed By:	RL
Prep Batch:	108248	Sample Preparation:		Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		1,2,4	**31.3**	mg/Kg	1	25.0

Sample: 412634 - HA-4-1'

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	127766	Date Analyzed:	2016-01-27	Analyzed By:	JL
Prep Batch:	108162	Sample Preparation:	2016-01-27	Prepared By:	JL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO	B,U	3	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			56.9	mg/Kg	1	50.0	114	70 - 130

Sample: 412634 - HA-4-1'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	127788	Date Analyzed:	2016-01-28	Analyzed By:	AK
Prep Batch:	108163	Sample Preparation:	2016-01-26	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	Qr,U	3	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.53	mg/Kg	1	2.00	76	70 - 130
4-Bromofluorobenzene (4-BFB)			1.53	mg/Kg	1	2.00	76	70 - 130

Sample: 412634 - HA-4-1'

Laboratory:	Midland				
Analysis:	TPH ORO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	127767	Date Analyzed:	2016-01-27	Analyzed By:	JL
Prep Batch:	108162	Sample Preparation:	2016-01-27	Prepared By:	JL

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO			**0.00**	<50.0	<50.0	<50.0	mg/Kg	1	0.00	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			56.9	mg/Kg	1	50.0	114	70 - 130
n-Triacontane			55.0	mg/Kg	1	50.0	110	37.1 - 162

Sample: 412635 - HA-4-2'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	127864	Date Analyzed:	2016-01-30	Analyzed By:	RL
Prep Batch:	108248	Sample Preparation:		Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		1,2,4	<25.0	mg/Kg	1	25.0

Sample: 412635 - HA-4-2'

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	127766	Date Analyzed:	2016-01-27	Analyzed By:	JL
Prep Batch:	108162	Sample Preparation:	2016-01-27	Prepared By:	JL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO	B,U	3	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane	Qsr	Qsr	74.6	mg/Kg	1	50.0	149	70 - 130

Sample: 412635 - HA-4-2'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	127788	Date Analyzed:	2016-01-28	Analyzed By:	AK
Prep Batch:	108163	Sample Preparation:	2016-01-26	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	Qr,U	3	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.72	mg/Kg	1	2.00	86	70 - 130
4-Bromofluorobenzene (4-BFB)			1.95	mg/Kg	1	2.00	98	70 - 130

Sample: 412635 - HA-4-2'

Laboratory:	Midland				
Analysis:	TPH ORO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	127767	Date Analyzed:	2016-01-27	Analyzed By:	JL
Prep Batch:	108162	Sample Preparation:	2016-01-27	Prepared By:	JL

continued ...

sample 412635 continued . . .

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO			**0.00**	<50.0	<50.0	<50.0	mg/Kg	1	0.00	50.0	50.0	50.0

Surrogate		Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane	Qsr	Qsr		74.6	mg/Kg	1	50.0	149	70 - 130
n-Triacontane				79.2	mg/Kg	1	50.0	158	37.1 - 162

Method Blanks

Method Blank (1) QC Batch: 127766

QC Batch:	127766	Date Analyzed:	2016-01-27	Analyzed By:	JL
Prep Batch:	108162	QC Preparation:	2016-01-27	Prepared By:	JL

Parameter	Flag	Cert	MDL Result	Units	RL
DRO	B	B	3	8.83	mg/Kg	50

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			48.6	mg/Kg	1	50.0	97	70 - 130

Method Blank (1) QC Batch: 127767

QC Batch:	127767	Date Analyzed:	2016-01-27	Analyzed By:	JL
Prep Batch:	108162	QC Preparation:	2016-01-27	Prepared By:	JL

Parameter	Flag	Cert	MDL Result	Units	RL
ORO			0.00	mg/Kg	50

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			48.6	mg/Kg	1	50.0	97	70 - 130
n-Triacontane			54.7	mg/Kg	1	50.0	109	37.1 - 162

Method Blank (1) QC Batch: 127788

QC Batch:	127788	Date Analyzed:	2016-01-28	Analyzed By:	AK
Prep Batch:	108163	QC Preparation:	2016-01-26	Prepared By:	AK

Parameter	Flag	Cert	MDL Result	Units	RL
GRO		3	<1.76	mg/Kg	4

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.69	mg/Kg	1	2.00	84	70 - 130
4-Bromofluorobenzene (4-BFB)			1.94	mg/Kg	1	2.00	97	70 - 130

Method Blank (1) QC Batch: 127841

QC Batch:	127841	Date Analyzed:	2016-01-28	Analyzed By:	RL
Prep Batch:	108227	QC Preparation:	2016-01-26	Prepared By:	RL

Parameter	Flag	Cert	MDL Result	Units	RL
Chloride		1,2,4	<8.34	mg/Kg	25

Method Blank (1) QC Batch: 127864

QC Batch:	127864	Date Analyzed:	2016-01-30	Analyzed By:	RL
Prep Batch:	108248	QC Preparation:	2016-01-29	Prepared By:	RL

Parameter	Flag	Cert	MDL Result	Units	RL
Chloride		1,2,4	<8.34	mg/Kg	25

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 127766 | Date Analyzed: 2016-01-27 | Analyzed By: JL
Prep Batch: 108162 | QC Preparation: 2016-01-27 | Prepared By: JL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO		3	263	mg/Kg	1	250	8.83	102	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO		3	262	mg/Kg	1	250	8.83	101	70 - 130	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Tricosane	56.2	55.9	mg/Kg	1	50.0	112	112	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 127767 | Date Analyzed: 2016-01-27 | Analyzed By: JL
Prep Batch: 108162 | QC Preparation: 2016-01-27 | Prepared By: JL

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Tricosane	56.2	55.9	mg/Kg	1	50.0	112	112	70 - 130
n-Triacontane	54.2	52.8	mg/Kg	1	50.0	108	106	54.8 - 164

Laboratory Control Spike (LCS-1)

QC Batch: 127788 | Date Analyzed: 2016-01-28 | Analyzed By: AK
Prep Batch: 108163 | QC Preparation: 2016-01-26 | Prepared By: AK

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO		3	21.1	mg/Kg	1	20.0	<1.76	106	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO		3	22.3	mg/Kg	1	20.0	<1.76	112	70 - 130	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.87	1.90	mg/Kg	1	2.00	94	95	70 - 130
4-Bromofluorobenzene (4-BFB)	2.06	2.07	mg/Kg	1	2.00	103	104	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 127841 | Date Analyzed: 2016-01-28 | Analyzed By: RL
Prep Batch: 108227 | QC Preparation: 2016-01-26 | Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,2,4	250	mg/Kg	1	250	<8.34	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,2,4	249	mg/Kg	1	250	<8.34	100	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 127864 | Date Analyzed: 2016-01-30 | Analyzed By: RL
Prep Batch: 108248 | QC Preparation: 2016-01-29 | Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,2,4	246	mg/Kg	1	250	<8.34	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,2,4	242	mg/Kg	1	250	<8.34	97	90 - 110	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

Matrix Spike (xMS-1) Spiked Sample: 412391

QC Batch: 127766 | Date Analyzed: 2016-01-27 | Analyzed By: JL
Prep Batch: 108162 | QC Preparation: 2016-01-27 | Prepared By: JL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO		3	296	mg/Kg	1	250	<7.41	118	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO		3	269	mg/Kg	1	250	<7.41	108	70 - 130	10	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Tricosane	62.0	58.5	mg/Kg	1	50	124	117	70 - 130

Matrix Spike (xMS-1) Spiked Sample: 412391

QC Batch: 127767 | Date Analyzed: 2016-01-27 | Analyzed By: JL
Prep Batch: 108162 | QC Preparation: 2016-01-27 | Prepared By: JL

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Tricosane	62.0	58.5	mg/Kg	1	50	124	117	70 - 130
n-Triacontane	58.4	54.9	mg/Kg	1	50	117	110	10 - 258

Matrix Spike (MS-1) Spiked Sample: 412628

QC Batch: 127788 | Date Analyzed: 2016-01-28 | Analyzed By: AK
Prep Batch: 108163 | QC Preparation: 2016-01-26 | Prepared By: AK

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	Qs	Qs 3	11.4	mg/Kg	1	20.0	<1.76	57	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	Qr	Qr 3	15.3	mg/Kg	1	20.0	<1.76	76	70 - 130	29	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.74	1.86	mg/Kg	1	2	87	93	70 - 130
4-Bromofluorobenzene (4-BFB)	2.11	2.17	mg/Kg	1	2	106	108	70 - 130

Matrix Spike (MS-1) Spiked Sample: 412628

QC Batch: 127841 | Date Analyzed: 2016-01-28 | Analyzed By: RL
Prep Batch: 108227 | QC Preparation: 2016-01-26 | Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,2,4	249	mg/Kg	1	250	<8.34	100	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,2,4	248	mg/Kg	1	250	<8.34	99	80 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 412635

QC Batch: 127864 | Date Analyzed: 2016-01-30 | Analyzed By: RL
Prep Batch: 108248 | QC Preparation: 2016-01-29 | Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,2,4	252	mg/Kg	1	250	19.3	93	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		[1,2,4]	262	mg/Kg	1	250	19.3	97	80 - 120	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Calibration Standards

Standard (CCV-1)

QC Batch: 127766 | Date Analyzed: 2016-01-27 | Analyzed By: JL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		3	mg/Kg	250	255	102	80 - 120	2016-01-27

Standard (CCV-2)

QC Batch: 127766 | Date Analyzed: 2016-01-27 | Analyzed By: JL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		3	mg/Kg	250	265	106	80 - 120	2016-01-27

Standard (CCV-3)

QC Batch: 127766 | Date Analyzed: 2016-01-27 | Analyzed By: JL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		3	mg/Kg	250	262	105	80 - 120	2016-01-27

Standard (CCV-1)

QC Batch: 127788 | Date Analyzed: 2016-01-28 | Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		3	mg/Kg	1.00	0.952	95	80 - 120	2016-01-28

Standard (CCV-2)

QC Batch: 127788 | Date Analyzed: 2016-01-28 | Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		3	mg/Kg	1.00	0.855	86	80 - 120	2016-01-28

Standard (CCV-1)

QC Batch: 127841 | Date Analyzed: 2016-01-28 | Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,2,4	mg/Kg	25.0	25.1	100	90 - 110	2016-01-28

Standard (CCV-2)

QC Batch: 127841 | Date Analyzed: 2016-01-28 | Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,2,4	mg/Kg	25.0	24.6	98	90 - 110	2016-01-28

Standard (CCV-1)

QC Batch: 127864 | Date Analyzed: 2016-01-30 | Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,2,4	mg/Kg	25.0	25.4	102	90 - 110	2016-01-30

Standard (CCV-2)

QC Batch: 127864 | Date Analyzed: 2016-01-30 | Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,2,4	mg/Kg	25.0	24.1	96	90 - 110	2016-01-30

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	LELAP	LELAP-02003	Lubbock
2	NELAP	T104704219-15-11	Lubbock
3	NELAP	T104704392-14-8	Midland
4		2015-066	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less then ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.
Please note, each attachment may consist of more than one page.

WO #: 160127606

CHAIN-OF-CUSTODY

Larson & Associates, Inc.
Environmental Consultants

507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

Data Reported to:

DATE: 1/26/2016 PAGE 1 OF 1

PO #: LAB WORK ORDER #:

PROJECT LOCATION OR NAME: David Bilbrey 8" Pipeline

LAI PROJECT #: 15-0171-03 COLLECTOR: Michael Gant

TRRP report? ☐ Yes ☐ No

TIME ZONE: Time zone/State:

S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR OT=OTHER

PRESERVATION: HCl | HNO_3 | H_2SO_4 ☐ NaOH ☐ | ICE | UNPRESERVED

ANALYSES: BTEX ☐ MTBE ☐ | TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐ | GASOLINE MOD 8015 ☒ | DIESEL - MOD 8015 ☒ ORO ☒ | VOC 8260 ☐ | SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ | 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ | 8082 PCBS ☐ | TCLP - METALS (RCRA) ☐ TCLP VOC ☐ | TCLP - PEST ☐ HERB ☐ Semi-VOC ☐ | TOTAL METALS (RCRA) ☐ OTHER LIST ☐ | LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐ | RCI ☐ TOX ☐ FLASHPOINT ☐ | TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ | pH ☐ HEXAVALENT CHROMIUM ☐ | EXPLOSIVES ☐ PECHLORATE ☐ | CHLORIDE ☒ ANIONS ☐ ALKALINITY ☐ 300.0

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	ANALYSES	FIELD NOTES
HA-1 1'		1/25	1:15	S	1				✓		✓ ✓ ✓	412628
HA-1 2'		1/25	1:25	S	1				✓		✓ ✓ ✓	629
HA-2 1'		1/25	1:38	S	1				✓		✓ ✓ ✓	630
HA-2 2'		1/25	1:48	S	1				✓		✓ ✓ ✓	631
HA-3 1'		1/25	2:00	S	1				✓		✓ ✓ ✓	632
HA-3 2'		1/25	2:08	S	1				✓		✓ ✓ ✓	633
HA-4 1'		1/25	2:17	S	1				✓		✓ ✓ ✓	634
HA-4 2'		1/25	2:25	S	1				✓		✓ ✓ ✓	635
TOTAL												

RELINQUISHED BY:(Signature) DATE/TIME 1/26/16 9:40 RECEIVED BY:(Signature) 1/26/16 9:40

RELINQUISHED BY:(Signature) DATE/TIME 1/26/16 9:50 RECEIVED BY:(Signature)

RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY:(Signature) 1/27/16 9:30

TURN AROUND TIME
NORMAL ☐
1 DAY ☐
2 DAY ☐
OTHER ☒ 3day AJ

LABORATORY USE ONLY: PR3 1,8/1.5
RECEIVING TEMP: 4.7 THERM #: JR
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # LS: ET 362468
☐ HAND DELIVERED

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
(BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972•242•7750
E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Michael Gant
Larson and Associates, Inc.

P. O. Box 50685
Midland, TX, 79710

Report Date: March 18, 2016

Work Order: 16031006

Project Name: David Bilbrey 8" Pipeline
Project Number: 15-0171-03

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
415718	SB-1-5'	soil	2016-03-09	11:47	2016-03-10
415719	SB-1-10'	soil	2016-03-09	11:52	2016-03-10
415720	SB-1-15'	soil	2016-03-09	12:08	2016-03-10
415723	SB-2-10'	soil	2016-03-09	12:39	2016-03-10
415724	SB-2-15'	soil	2016-03-09	12:52	2016-03-10
415725	SB-2-20'	soil	2016-03-09	13:02	2016-03-10
415726	SB-2-25'	soil	2016-03-09	13:18	2016-03-10
415728	SB-3-5'	soil	2016-03-09	13:34	2016-03-10
415729	SB-3-10'	soil	2016-03-09	13:39	2016-03-10
415730	SB-3-15'	soil	2016-03-09	13:42	2016-03-10
415731	SB-3-20'	soil	2016-03-09	14:47	2016-03-10
415732	SB-3-25'	soil	2016-03-09	14:03	2016-03-10

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TraceAnalysis, Inc. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested, company,

sampler, contacts and any special remarks.

This report consists of a total of 33 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Johnny Grindstaff, Operations Manager

Report Contents

Case Narrative

Samples for project David Bilbrey 8" Pipeline were received by TraceAnalysis, Inc. on 2016-03-10 and assigned to work order 16031006. Samples for work order 16031006 were received intact at a temperature of 6.0 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	109054	2016-03-10 at 11:05	128785	2016-03-11 at 08:19
Chloride (IC)	E 300.0	109162	2016-03-15 at 14:26	128895	2016-03-15 at 15:26
Chloride (IC)	E 300.0	109163	2016-03-15 at 14:26	128896	2016-03-15 at 12:07
Chloride (IC)	E 300.0	109170	2016-03-16 at 09:00	128899	2016-03-16 at 09:06
TPH DRO	S 8015 D	109068	2016-03-11 at 08:51	128789	2016-03-11 at 08:58
TPH GRO	S 8015 D	109069	2016-03-11 at 09:26	128822	2016-03-12 at 06:20

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 16031006 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 415718 - SB-1-5'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	128895	Date Analyzed:	2016-03-15	Analyzed By:	RL
Prep Batch:	109162	Sample Preparation:	2016-03-15	Prepared By:	RL

Parameter	Flag	Cert	Result	Units	Dilution	RL
Chloride		5,7,9	**53.0**	mg/Kg	1	25.0

Sample: 415718 - SB-1-5'

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	128789	Date Analyzed:	2016-03-11	Analyzed By:	JL
Prep Batch:	109068	Sample Preparation:	2016-03-11	Prepared By:	JL

Parameter	Flag	Cert	Result	Units	Dilution	RL
DRO	B,Qr,U	8	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			50.4	mg/Kg	1	50.0	101	70 - 130

Sample: 415718 - SB-1-5'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	128822	Date Analyzed:	2016-03-12	Analyzed By:	AK
Prep Batch:	109069	Sample Preparation:	2016-03-11	Prepared By:	AK

Parameter	Flag	Cert	Result	Units	Dilution	RL
GRO	U	8	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.10	mg/Kg	1	2.00	105	70 - 130

continued ...

sample continued . . .

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
4-Bromofluorobenzene (4-BFB)			1.85	mg/Kg	1	2.00	92	70 - 130

Sample: 415719 - SB-1-10'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	128895	Date Analyzed:	2016-03-15	Analyzed By:	RL
Prep Batch:	109162	Sample Preparation:	2016-03-15	Prepared By:	RL

Parameter	Flag	Cert	Result	Units	Dilution	RL
Chloride		5,7,9	**48.5**	mg/Kg	1	25.0

Sample: 415719 - SB-1-10'

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	128789	Date Analyzed:	2016-03-11	Analyzed By:	JL
Prep Batch:	109068	Sample Preparation:	2016-03-11	Prepared By:	JL

Parameter	Flag	Cert	Result	Units	Dilution	RL
DRO	B,Qr,U	8	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			48.3	mg/Kg	1	50.0	97	70 - 130

Sample: 415719 - SB-1-10'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	128822	Date Analyzed:	2016-03-12	Analyzed By:	AK
Prep Batch:	109069	Sample Preparation:	2016-03-11	Prepared By:	AK

Parameter	Flag	Cert	Result	Units	Dilution	RL
GRO	U	8	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.14	mg/Kg	1	2.00	107	70 - 130
4-Bromofluorobenzene (4-BFB)			1.93	mg/Kg	1	2.00	96	70 - 130

Sample: 415720 - SB-1-15'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	128895	Date Analyzed:	2016-03-15	Analyzed By:	RL
Prep Batch:	109162	Sample Preparation:	2016-03-15	Prepared By:	RL

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Chloride		5,7,9	<25.0	mg/Kg	1	25.0

Sample: 415720 - SB-1-15'

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	128789	Date Analyzed:	2016-03-11	Analyzed By:	JL
Prep Batch:	109068	Sample Preparation:	2016-03-11	Prepared By:	JL

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
DRO	B,Qr,U	8	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			48.3	mg/Kg	1	50.0	97	70 - 130

Sample: 415720 - SB-1-15'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	128822	Date Analyzed:	2016-03-12	Analyzed By:	AK
Prep Batch:	109069	Sample Preparation:	2016-03-11	Prepared By:	AK

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
GRO	U	8	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.08	mg/Kg	1	2.00	104	70 - 130
4-Bromofluorobenzene (4-BFB)			1.70	mg/Kg	1	2.00	85	70 - 130

Sample: 415723 - SB-2-10'

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	128785	Date Analyzed:	2016-03-11	Analyzed By:	AK
Prep Batch:	109054	Sample Preparation:	2016-03-10	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	U	8	<0.0200	mg/Kg	1	0.0200
Toluene		8	**0.0381**	mg/Kg	1	0.0200
Ethylbenzene		8	**0.113**	mg/Kg	1	0.0200
Xylene		8	**1.33**	mg/Kg	1	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.57	mg/Kg	1	2.00	128	70 - 130
4-Bromofluorobenzene (4-BFB)	Qsr	Qsr	2.88	mg/Kg	1	2.00	144	70 - 130

Sample: 415723 - SB-2-10'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	128899	Date Analyzed:	2016-03-16	Analyzed By:	RL
Prep Batch:	109170	Sample Preparation:	2016-03-16	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		5,7,9	**109**	mg/Kg	1	25.0

Sample: 415723 - SB-2-10'

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	128789	Date Analyzed:	2016-03-11	Analyzed By:	JL
Prep Batch:	109068	Sample Preparation:	2016-03-11	Prepared By:	JL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO	B,Qr,U	8	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			48.4	mg/Kg	1	50.0	97	70 - 130

Sample: 415723 - SB-2-10'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	128822	Date Analyzed:	2016-03-12	Analyzed By:	AK
Prep Batch:	109069	Sample Preparation:	2016-03-11	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	U	8	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.10	mg/Kg	1	2.00	105	70 - 130
4-Bromofluorobenzene (4-BFB)			1.95	mg/Kg	1	2.00	98	70 - 130

Sample: 415724 - SB-2-15'

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	128785	Date Analyzed:	2016-03-11	Analyzed By:	AK
Prep Batch:	109054	Sample Preparation:	2016-03-10	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	U	8	<0.0200	mg/Kg	1	0.0200
Toluene	U	8	<0.0200	mg/Kg	1	0.0200
Ethylbenzene	U	8	<0.0200	mg/Kg	1	0.0200
Xylene	U	8	<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.20	mg/Kg	1	2.00	110	70 - 130
4-Bromofluorobenzene (4-BFB)			2.24	mg/Kg	1	2.00	112	70 - 130

Sample: 415724 - SB-2-15'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	128899	Date Analyzed:	2016-03-16	Analyzed By:	RL
Prep Batch:	109170	Sample Preparation:	2016-03-16	Prepared By:	RL

Parameter	Flag	Cert	Result	RL	Units	Dilution	RL
Chloride		5,7,9	**29.5**		mg/Kg	1	25.0

Sample: 415724 - SB-2-15'

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	128789	Date Analyzed:	2016-03-11	Analyzed By:	JL
Prep Batch:	109068	Sample Preparation:	2016-03-11	Prepared By:	JL

Parameter	Flag	Cert	Result	RL	Units	Dilution	RL
DRO	B,Qr,U	8	<50.0		mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			47.0	mg/Kg	1	50.0	94	70 - 130

Sample: 415724 - SB-2-15'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	128822	Date Analyzed:	2016-03-12	Analyzed By:	AK
Prep Batch:	109069	Sample Preparation:	2016-03-11	Prepared By:	AK

Parameter	Flag	Cert	Result	RL	Units	Dilution	RL
GRO	U	8	<4.00		mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.06	mg/Kg	1	2.00	103	70 - 130
4-Bromofluorobenzene (4-BFB)			1.79	mg/Kg	1	2.00	90	70 - 130

Sample: 415725 - SB-2-20'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	128895	Date Analyzed:	2016-03-15	Analyzed By:	RL
Prep Batch:	109162	Sample Preparation:	2016-03-15	Prepared By:	RL

Parameter	Flag	Cert	Result	RL	Units	Dilution	RL
Chloride		5,7,9	<25.0		mg/Kg	1	25.0

Sample: 415725 - SB-2-20'

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	128789	Date Analyzed:	2016-03-11	Analyzed By:	JL
Prep Batch:	109068	Sample Preparation:	2016-03-11	Prepared By:	JL

Parameter	Flag	Cert	Result	RL	Units	Dilution	RL
DRO	B,Qr,U	8	<50.0		mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			51.5	mg/Kg	1	50.0	103	70 - 130

Sample: 415725 - SB-2-20'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	128822	Date Analyzed:	2016-03-12	Analyzed By:	AK
Prep Batch:	109069	Sample Preparation:	2016-03-11	Prepared By:	AK

Parameter	Flag	Cert	Result	RL	Units	Dilution	RL
GRO	U	8	<4.00		mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.11	mg/Kg	1	2.00	106	70 - 130
4-Bromofluorobenzene (4-BFB)			1.70	mg/Kg	1	2.00	85	70 - 130

Sample: 415726 - SB-2-25'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	128895	Date Analyzed:	2016-03-15	Analyzed By:	RL
Prep Batch:	109162	Sample Preparation:	2016-03-15	Prepared By:	RL

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Chloride		5,7,9	<25.0	mg/Kg	1	25.0

Sample: 415726 - SB-2-25'

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	128789	Date Analyzed:	2016-03-11	Analyzed By:	JL
Prep Batch:	109068	Sample Preparation:	2016-03-11	Prepared By:	JL

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
DRO	B,Qr,U	8	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			42.5	mg/Kg	1	50.0	85	70 - 130

Sample: 415726 - SB-2-25'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	128822	Date Analyzed:	2016-03-12	Analyzed By:	AK
Prep Batch:	109069	Sample Preparation:	2016-03-11	Prepared By:	AK

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
GRO	U	8	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.08	mg/Kg	1	2.00	104	70 - 130
4-Bromofluorobenzene (4-BFB)			1.76	mg/Kg	1	2.00	88	70 - 130

Sample: 415728 - SB-3-5'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	128899	Date Analyzed:	2016-03-16	Analyzed By:	RL
Prep Batch:	109170	Sample Preparation:	2016-03-16	Prepared By:	RL

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Chloride		5,7,9	<25.0	mg/Kg	1	25.0

Sample: 415728 - SB-3-5'

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	128789	Date Analyzed:	2016-03-11	Analyzed By:	JL
Prep Batch:	109068	Sample Preparation:	2016-03-11	Prepared By:	JL

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
DRO	B,Jb,Qr	8	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			55.0	mg/Kg	1	50.0	110	70 - 130

Sample: 415728 - SB-3-5'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	128822	Date Analyzed:	2016-03-12	Analyzed By:	AK
Prep Batch:	109069	Sample Preparation:	2016-03-11	Prepared By:	AK

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
GRO [1]		8	<8.00	mg/Kg	2	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			4.06	mg/Kg	2	4.00	102	70 - 130
4-Bromofluorobenzene (4-BFB)			4.75	mg/Kg	2	4.00	119	70 - 130

Sample: 415729 - SB-3-10'

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	128785	Date Analyzed:	2016-03-11	Analyzed By:	AK
Prep Batch:	109054	Sample Preparation:	2016-03-10	Prepared By:	AK

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene		8	**15.8**	mg/Kg	5	0.0200
Toluene	Je	8	**90.8**	mg/Kg	5	0.0200
Ethylbenzene	Je	8	**129**	mg/Kg	5	0.0200
Xylene		8	**117**	mg/Kg	5	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			10.2	mg/Kg	5	10.0	102	70 - 130
4-Bromofluorobenzene (4-BFB)	Qsr	Qsr	37.6	mg/Kg	5	10.0	376	70 - 130

Sample: 415729 - SB-3-10'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	128899	Date Analyzed:	2016-03-16	Analyzed By:	RL
Prep Batch:	109170	Sample Preparation:	2016-03-16	Prepared By:	RL

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Chloride		5,7,9	**40.5**	mg/Kg	1	25.0

Sample: 415729 - SB-3-10'

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	128789	Date Analyzed:	2016-03-11	Analyzed By:	JL
Prep Batch:	109068	Sample Preparation:	2016-03-11	Prepared By:	JL

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
DRO	B,Qr	8	**1820**	mg/Kg	5	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane	Qsr	Qsr	107	mg/Kg	5	50.0	214	70 - 130

Sample: 415729 - SB-3-10'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	128822	Date Analyzed:	2016-03-12	Analyzed By:	AK
Prep Batch:	109069	Sample Preparation:	2016-03-11	Prepared By:	AK

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
GRO		8	**3840**	mg/Kg	50	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			94.1	mg/Kg	50	100	94	70 - 130
4-Bromofluorobenzene (4-BFB)	Qsr	Qsr	169	mg/Kg	50	100	169	70 - 130

Sample: 415730 - SB-3-15'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	128899	Date Analyzed:	2016-03-16	Analyzed By:	RL
Prep Batch:	109170	Sample Preparation:	2016-03-16	Prepared By:	RL

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Chloride		5,7,9	<25.0	mg/Kg	1	25.0

Sample: 415730 - SB-3-15'

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	128789	Date Analyzed:	2016-03-11	Analyzed By:	JL
Prep Batch:	109068	Sample Preparation:	2016-03-11	Prepared By:	JL

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
DRO	B,Qr,U	8	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			48.3	mg/Kg	1	50.0	97	70 - 130

Sample: 415730 - SB-3-15'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	128822	Date Analyzed:	2016-03-12	Analyzed By:	AK
Prep Batch:	109069	Sample Preparation:	2016-03-11	Prepared By:	AK

Parameter	Flag	Cert	Result	RL Result	Units	Dilution	RL
GRO	U	8		<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.04	mg/Kg	1	2.00	102	70 - 130
4-Bromofluorobenzene (4-BFB)			1.76	mg/Kg	1	2.00	88	70 - 130

Sample: 415731 - SB-3-20'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	128899	Date Analyzed:	2016-03-16	Analyzed By:	RL
Prep Batch:	109170	Sample Preparation:	2016-03-16	Prepared By:	RL

Parameter	Flag	Cert	Result	RL Result	Units	Dilution	RL
Chloride		5,7,9		<25.0	mg/Kg	1	25.0

Sample: 415731 - SB-3-20'

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	128789	Date Analyzed:	2016-03-11	Analyzed By:	JL
Prep Batch:	109068	Sample Preparation:	2016-03-11	Prepared By:	JL

Parameter	Flag	Cert	Result	RL Result	Units	Dilution	RL
DRO	B,Qr	8		**79.3**	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			46.0	mg/Kg	1	50.0	92	70 - 130

Sample: 415731 - SB-3-20'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	128822	Date Analyzed:	2016-03-12	Analyzed By:	AK
Prep Batch:	109069	Sample Preparation:	2016-03-11	Prepared By:	AK

Parameter	Flag	Cert	Result	RL Result	Units	Dilution	RL
GRO		8	**5.31**		mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.02	mg/Kg	1	2.00	101	70 - 130
4-Bromofluorobenzene (4-BFB)			1.85	mg/Kg	1	2.00	92	70 - 130

Sample: 415732 - SB-3-25'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	128896	Date Analyzed:	2016-03-15	Analyzed By:	RL
Prep Batch:	109163	Sample Preparation:	2016-03-15	Prepared By:	RL

Parameter	Flag	Cert	Result	RL Result	Units	Dilution	RL
Chloride		5,7,9	<25.0		mg/Kg	1	25.0

Sample: 415732 - SB-3-25'

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	128789	Date Analyzed:	2016-03-11	Analyzed By:	JL
Prep Batch:	109068	Sample Preparation:	2016-03-11	Prepared By:	JL

Parameter	Flag	Cert	Result	RL Result	Units	Dilution	RL
DRO	B,Qr,U	8	<50.0		mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			35.0	mg/Kg	1	50.0	70	70 - 130

Sample: 415732 - SB-3-25'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	128822	Date Analyzed:	2016-03-12	Analyzed By:	AK
Prep Batch:	109069	Sample Preparation:	2016-03-11	Prepared By:	AK

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
GRO	U	s	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.07	mg/Kg	1	2.00	104	70 - 130
4-Bromofluorobenzene (4-BFB)			1.65	mg/Kg	1	2.00	82	70 - 130

Method Blanks

Method Blank (1) QC Batch: 128785

QC Batch:	128785	Date Analyzed:	2016-03-11	Analyzed By:	AK
Prep Batch:	109054	QC Preparation:	2016-03-10	Prepared By:	AK

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		8	<0.0100	mg/Kg	0.02
Toluene		8	<0.0156	mg/Kg	0.02
Ethylbenzene		8	<0.0151	mg/Kg	0.02
Xylene		8	<0.00430	mg/Kg	0.02

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.19	mg/Kg	1	2.00	110	70 - 130
4-Bromofluorobenzene (4-BFB)			1.78	mg/Kg	1	2.00	89	70 - 130

Method Blank (1) QC Batch: 128789

QC Batch:	128789	Date Analyzed:	2016-03-11	Analyzed By:	JL
Prep Batch:	109068	QC Preparation:	2016-03-11	Prepared By:	JL

Parameter	Flag	Cert	MDL Result	Units	RL
DRO	B	B	13.5	mg/Kg	50

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			44.8	mg/Kg	1	50.0	90	70 - 130

Method Blank (1) QC Batch: 128822

QC Batch:	128822	Date Analyzed:	2016-03-12	Analyzed By:	AK
Prep Batch:	109069	QC Preparation:	2016-03-11	Prepared By:	AK

Parameter	Flag	Cert	MDL Result	Units	RL
GRO		8	<1.76	mg/Kg	4

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.08	mg/Kg	1	2.00	104	70 - 130
4-Bromofluorobenzene (4-BFB)			1.91	mg/Kg	1	2.00	96	70 - 130

Method Blank (1) QC Batch: 128895

QC Batch: 128895 Date Analyzed: 2016-03-15 Analyzed By: RL
Prep Batch: 109162 QC Preparation: 2016-03-15 Prepared By: LQ

Parameter	Flag	Cert	MDL Result	Units	RL
Chloride		5,7,9	<8.34	mg/Kg	25

Method Blank (1) QC Batch: 128896

QC Batch: 128896 Date Analyzed: 2016-03-15 Analyzed By: RL
Prep Batch: 109163 QC Preparation: 2016-03-15 Prepared By: LQ

Parameter	Flag	Cert	MDL Result	Units	RL
Chloride		5,7,9	<8.34	mg/Kg	25

Method Blank (1) QC Batch: 128899

QC Batch: 128899 Date Analyzed: 2016-03-16 Analyzed By: RL
Prep Batch: 109170 QC Preparation: 2016-03-16 Prepared By: RL

Parameter	Flag	Cert	MDL Result	Units	RL
Chloride		5,7,9	<8.34	mg/Kg	25

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 128785 | Date Analyzed: 2016-03-11 | Analyzed By: AK
Prep Batch: 109054 | QC Preparation: 2016-03-10 | Prepared By: AK

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		s	2.23	mg/Kg	1	2.00	<0.0100	112	70 - 130
Toluene		s	2.20	mg/Kg	1	2.00	<0.0156	110	70 - 130
Ethylbenzene		s	2.31	mg/Kg	1	2.00	<0.0151	116	70 - 130
Xylene		s	6.81	mg/Kg	1	6.00	<0.00430	114	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		s	2.24	mg/Kg	1	2.00	<0.0100	112	70 - 130	0	20
Toluene		s	2.17	mg/Kg	1	2.00	<0.0156	108	70 - 130	1	20
Ethylbenzene		s	2.30	mg/Kg	1	2.00	<0.0151	115	70 - 130	0	20
Xylene		s	6.78	mg/Kg	1	6.00	<0.00430	113	70 - 130	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	2.30	2.14	mg/Kg	1	2.00	115	107	70 - 130
4-Bromofluorobenzene (4-BFB)	2.34	2.19	mg/Kg	1	2.00	117	110	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 128789 | Date Analyzed: 2016-03-11 | Analyzed By: JL
Prep Batch: 109068 | QC Preparation: 2016-03-11 | Prepared By: JL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO		s	199	mg/Kg	1	250	13.5	74	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

continued ...

control spikes continued ...

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO		8	194	mg/Kg	1	250	13.5	72	70 - 130	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Tricosane	51.4	51.0	mg/Kg	1	50.0	103	102	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 128822 | Date Analyzed: 2016-03-12 | Analyzed By: AK
Prep Batch: 109069 | QC Preparation: 2016-03-11 | Prepared By: AK

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO		8	18.1	mg/Kg	1	20.0	<1.76	90	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO		8	16.5	mg/Kg	1	20.0	<1.76	82	70 - 130	9	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	2.03	1.94	mg/Kg	1	2.00	102	97	70 - 130
4-Bromofluorobenzene (4-BFB)	1.84	1.77	mg/Kg	1	2.00	92	88	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 128895 | Date Analyzed: 2016-03-15 | Analyzed By: RL
Prep Batch: 109162 | QC Preparation: 2016-03-15 | Prepared By: LQ

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		5,7,9	263	mg/Kg	1	250	<8.34	105	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		5,7,9	263	mg/Kg	1	250	<8.34	105	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 128896 | Date Analyzed: 2016-03-15 | Analyzed By: RL
Prep Batch: 109163 | QC Preparation: 2016-03-15 | Prepared By: LQ

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		5,7,9	265	mg/Kg	1	250	<8.34	106	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		5,7,9	264	mg/Kg	1	250	<8.34	106	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 128899 | Date Analyzed: 2016-03-16 | Analyzed By: RL
Prep Batch: 109170 | QC Preparation: 2016-03-16 | Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		5,7,9	264	mg/Kg	1	250	<8.34	106	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		5,7,9	263	mg/Kg	1	250	<8.34	105	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 415724

QC Batch: 128785 | Date Analyzed: 2016-03-11 | Analyzed By: AK
Prep Batch: 109054 | QC Preparation: 2016-03-10 | Prepared By: AK

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		s	1.69	mg/Kg	1	2.00	<0.0100	84	70 - 130
Toluene		s	1.75	mg/Kg	1	2.00	<0.0156	88	70 - 130
Ethylbenzene		s	1.97	mg/Kg	1	2.00	<0.0151	98	70 - 130
Xylene		s	5.82	mg/Kg	1	6.00	<0.00430	97	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		s	1.56	mg/Kg	1	2.00	<0.0100	78	70 - 130	8	20
Toluene		s	1.57	mg/Kg	1	2.00	<0.0156	78	70 - 130	11	20
Ethylbenzene		s	1.78	mg/Kg	1	2.00	<0.0151	89	70 - 130	10	20
Xylene		s	5.27	mg/Kg	1	6.00	<0.00430	88	70 - 130	10	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	2.27	2.23	mg/Kg	1	2	114	112	70 - 130
4-Bromofluorobenzene (4-BFB)	2.42	2.43	mg/Kg	1	2	121	122	70 - 130

Matrix Spike (xMS-1) Spiked Sample: 415711

QC Batch: 128789 | Date Analyzed: 2016-03-11 | Analyzed By: JL
Prep Batch: 109068 | QC Preparation: 2016-03-11 | Prepared By: JL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO Qs	Qs	s	1280	mg/Kg	1	250	1400	-48	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

continued ...

matrix spikes continued ...

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	Qr,Qs	Qr,Qs	8 2270	mg/Kg	1	250	1400	348	70 - 130	56	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate			MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Tricosane	Qsr	Qsr	70.4	110	mg/Kg	1	50	141	220	70 - 130

Matrix Spike (MS-1) Spiked Sample: 415718

QC Batch: 128822 | Date Analyzed: 2016-03-12 | Analyzed By: AK
Prep Batch: 109069 | QC Preparation: 2016-03-11 | Prepared By: AK

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO		8	17.9	mg/Kg	1	20.0	<1.76	90	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO		8	17.9	mg/Kg	1	20.0	<1.76	90	70 - 130	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.99	2.06	mg/Kg	1	2	100	103	70 - 130
4-Bromofluorobenzene (4-BFB)	1.81	1.91	mg/Kg	1	2	90	96	70 - 130

Matrix Spike (MS-1) Spiked Sample: 415720

QC Batch: 128895 | Date Analyzed: 2016-03-15 | Analyzed By: RL
Prep Batch: 109162 | QC Preparation: 2016-03-15 | Prepared By: LQ

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		5,7,9	292	mg/Kg	1	250	13.9	111	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		5,7,9	294	mg/Kg	1	250	13.9	112	80 - 120	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 415881

QC Batch: 128896 | Date Analyzed: 2016-03-15 | Analyzed By: RL
Prep Batch: 109163 | QC Preparation: 2016-03-15 | Prepared By: LQ

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		5,7,9	454	mg/Kg	5	250	171	113	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	Qs Qs	5,7,9	496	mg/Kg	5	250	171	130	80 - 120	9	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 415914

QC Batch: 128899 | Date Analyzed: 2016-03-16 | Analyzed By: RL
Prep Batch: 109170 | QC Preparation: 2016-03-16 | Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		5,7,9	303	mg/Kg	5	250	69.8149	93	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		5,7,9	316	mg/Kg	5	250	69.8149	98	80 - 120	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Calibration Standards

Standard (CCV-1)

QC Batch: 128785 Date Analyzed: 2016-03-11 Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		s	mg/kg	0.100	0.106	106	80 - 120	2016-03-11
Toluene		s	mg/kg	0.100	0.104	104	80 - 120	2016-03-11
Ethylbenzene		s	mg/kg	0.100	0.109	109	80 - 120	2016-03-11
Xylene		s	mg/kg	0.300	0.320	107	80 - 120	2016-03-11

Standard (CCV-2)

QC Batch: 128785 Date Analyzed: 2016-03-11 Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		s	mg/kg	0.100	0.117	117	80 - 120	2016-03-11
Toluene		s	mg/kg	0.100	0.112	112	80 - 120	2016-03-11
Ethylbenzene		s	mg/kg	0.100	0.119	119	80 - 120	2016-03-11
Xylene		s	mg/kg	0.300	0.344	115	80 - 120	2016-03-11

Standard (CCV-1)

QC Batch: 128789 Date Analyzed: 2016-03-11 Analyzed By: JL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		s	mg/Kg	250	200	80	80 - 120	2016-03-11

Standard (CCV-2)

QC Batch: 128789 Date Analyzed: 2016-03-11 Analyzed By: JL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		s	mg/Kg	250	208	83	80 - 120	2016-03-11

Standard (CCV-3)

QC Batch: 128789 Date Analyzed: 2016-03-11 Analyzed By: JL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		s	mg/Kg	250	199	80	80 - 120	2016-03-11

Standard (CCV-1)

QC Batch: 128822 Date Analyzed: 2016-03-12 Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		s	mg/Kg	1.00	0.986	99	80 - 120	2016-03-12

Standard (CCV-2)

QC Batch: 128822 Date Analyzed: 2016-03-12 Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		s	mg/Kg	1.00	0.841	84	80 - 120	2016-03-12

Standard (CCV-3)

QC Batch: 128822 Date Analyzed: 2016-03-12 Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		8	mg/Kg	1.00	0.823	82	80 - 120	2016-03-12

Standard (CCV-1)

QC Batch: 128895 Date Analyzed: 2016-03-15 Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		5,7,9	mg/Kg	25.0	26.6	106	90 - 110	2016-03-15

Standard (CCV-2)

QC Batch: 128895 Date Analyzed: 2016-03-15 Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		5,7,9	mg/Kg	25.0	26.6	106	90 - 110	2016-03-15

Standard (CCV-1)

QC Batch: 128896 Date Analyzed: 2016-03-15 Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		5,7,9	mg/Kg	25.0	26.6	106	90 - 110	2016-03-15

Standard (CCV-2)

QC Batch: 128896 Date Analyzed: 2016-03-15 Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		5,7,9	mg/Kg	25.0	26.7	107	90 - 110	2016-03-15

Standard (CCV-1)

QC Batch: 128899 Date Analyzed: 2016-03-16 Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		5,7,9	mg/Kg	25.0	26.5	106	90 - 110	2016-03-16

Standard (CCV-2)

QC Batch: 128899 Date Analyzed: 2016-03-16 Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		5,7,9	mg/Kg	25.0	25.9	104	90 - 110	2016-03-16

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	L-A-B	L2418.01	El Paso
2	L-A-B	L2418	Lubbock
3	Kansas	Kansas E-10317	Lubbock
4	LELAP	LELAP-02002	El Paso
5	LELAP	LELAP-02003	Lubbock
6	NELAP	T104704221-15-6	El Paso
7	NELAP	T104704219-15-11	Lubbock
8	NELAP	T104704392-14-8	Midland
9		2015-066	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less then ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction

F	Description
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Result Comments

1 Dilution due to hydrocarbons.

Attachments

The scanned attachments will follow this page.
Please note, each attachment may consist of more than one page.

WO#: 1603006

CHAIN-OF-CUSTODY

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

Data Reported to:

DATE: 3/10/2016 PAGE 1 OF 2

PO #: LAB WORK ORDER #: 1603006

PROJECT LOCATION OR NAME: David Bilbrey 8" Pipeline

LAI PROJECT #: 15-0171-03 COLLECTOR: Michael Gant

TRRP report? ☐ Yes ☐ No

TIME ZONE: Time zone/State: MST / NM

S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR OT=OTHER

PRESERVATION: HCl | HNO_3 | H_2SO_4 ☐ NaOH ☐ | ICE | UNPRESERVED

ANALYSES: BTEX ☐ MTBE ☐ | TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐ | GASOLINE MOD 8015 ☐ | DIESEL - MOD 8015 ☐ | VOC 8260 ☐ | SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ | 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ | 8082 PCBS ☐ | TCLP - METALS (RCRA) ☐ TCLP VOC ☐ | TCLP - PEST ☐ HERB ☐ Semi-VOC ☐ | TOTAL METALS (RCRA) ☐ OTHER LIST ☐ | LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐ | RCI ☐ TOX ☐ FLASHPOINT ☐ | TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ | pH ☐ HEXAVALENT CHROMIUM ☐ | EXPLOSIVES ☐ PECHLORATE ☐ | CHLORIDE ☐ ANIONS ☐ ALKALINITY ☐ | 300.0

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 NaOH	ICE	UNPRESERVED	BTEX	TRPH	GASOLINE MOD 8015	DIESEL - MOD 8015	VOC 8260	SVOC 8270	8081 PESTICIDES	8082 PCBS	TCLP - METALS (RCRA)	TCLP - PEST	TOTAL METALS (RCRA)	LEAD - TOTAL	RCI	TDS	pH	EXPLOSIVES	CHLORIDE	300.0	FIELD NOTES
SB-1-5'		3/9	11:47	S	1				X				X	X													X		715 718
SB-1-10'			11:52		1				X				X	X													X		719
SB-1-15'			12:08		1				X				X	X													X		720
SB-1-20'			12:24		1				X																				HOLD 721
SB-2-5'			12:32		1				X																				HOLD 722
SB-2-10'			12:39		1				X		X		X	X													X		723
SB-2-15'			12:52		1				X		X		X	X													X		724
SB-2-20'			1:02		1				X				X	X													X		725
SB-2-25'			1:18		1				X				X	X													X		726
SB-2-30'			1:25		1				X																				HOLD 727
SB-3-5'			1:34		1				X				X	X													X		728
SB-3-10'			1:39		1				X		X		X	X													X		729
SB-3-15'			1:42		1				X				X	X													X		730
SB-3-20'			1:47		1				X				X	X													X		731
SB-3-25'			2:03		1				X				X	X													X		732
TOTAL																													

RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)

RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)

RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)

Mallory TH 3/10/16 10:21 — 3/10/16 9:11 — Valery 3/10/16 9:11 — LA 3/11/16 9:15

TURN AROUND TIME
NORMAL ☐
1 DAY ☐
2 DAY ☐
OTHER ☐ AJ

LABORATORY USE ONLY: IR3 2.9/2.9 IR
RECEIVING TEMP: 6.0 THERM #:
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # 775775158 89
☑ HAND DELIVERED

WO#: 1603006

CHAIN-OF-CUSTODY

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

Data Reported to:

DATE: 3/10/2016 PAGE 2 OF 2

PO #: _____ LAB WORK ORDER #: 1603006

PROJECT LOCATION OR NAME: David Bilbrey 8" Pipeline

LAI PROJECT #: 15-0171-03 COLLECTOR: Michael

TRRP report? ☐ Yes ☐ No

TIME ZONE: Time zone/State:

S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR OT=OTHER

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	ANALYSES	FIELD NOTES
SB-3-30'		3/9	2:19	S	1				X			HOLD 415733

ANALYSES: BTEX ☐ MTBE ☐ | TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐ | GASOLINE MOD 8015 ☐ | DIESEL - MOD 8015 ☐ | VOC 8260 ☐ | SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ | 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ | 8082 PCBS ☐ | TCLP - METALS (RCRA) ☐ TCLP VOC ☐ | TCLP - PEST ☐ HERB ☐ Semi-VOC ☐ | TOTAL METALS (RCRA) ☐ OTHER LIST ☐ | LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐ | RCI ☐ TOX ☐ FLASHPOINT ☐ | TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ | pH ☐ HEXAVALENT CHROMIUM ☐ | EXPLOSIVES ☐ PECHLORATE ☐ | CHLORIDE ☐ ANIONS ☐ ALKALINITY ☐

TOTAL

RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
[signature]	3/10/16 9:11	[signature] 3/10/16 9:11
[signature] TA	3/10/16 10:21	[signature] 3/10/16 9:15

TURN AROUND TIME
NORMAL ☐
1 DAY ☐
2 DAY ☐
OTHER ☐ AJ

LABORATORY USE ONLY: IR3 25/29
RECEIVING TEMP: 6.0 THERM #: IR
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # FS: 7715 8619
☐ HAND DELIVERED

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
(BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972•242•7750
E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Michael Gant
Larson and Associates, Inc.

P. O. Box 50685
Midland, TX, 79710

Report Date: March 22, 2016

Work Order: 16031101

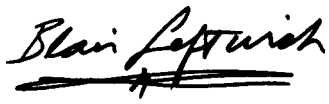
Project Name: David Bilbrey 8" Pipeline
Project Number: 15-0171-03

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
415786	SB-4-5'	soil	2016-03-10	10:52	2016-03-11
415787	SB-4-10'	soil	2016-03-10	10:59	2016-03-11
415788	SB-4-15'	soil	2016-03-10	11:04	2016-03-11

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TraceAnalysis, Inc. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested, company, sampler, contacts and any special remarks.



Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Johnny Grindstaff, Operations Manager

Report Contents

Case Narrative

Samples for project David Bilbrey 8" Pipeline were received by TraceAnalysis, Inc. on 2016-03-11 and assigned to work order 16031101. Samples for work order 16031101 were received intact at a temperature of 3.8 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (IC)	E 300.0	109163	2016-03-15 at 14:26	128896	2016-03-15 at 12:07
TPH DRO	S 8015 D	109238	2016-03-21 at 12:00	128987	2016-03-22 at 12:51
TPH GRO	S 8015 D	109069	2016-03-11 at 09:26	128822	2016-03-12 at 06:20

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 16031101 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 415786 - SB-4-5'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	128896	Date Analyzed:	2016-03-15	Analyzed By:	RL
Prep Batch:	109163	Sample Preparation:	2016-03-15	Prepared By:	RL

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Chloride		3,4,6	<25.0	mg/Kg	1	25.0

Sample: 415786 - SB-4-5'

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	128987	Date Analyzed:	2016-03-22	Analyzed By:	HJ
Prep Batch:	109238	Sample Preparation:	2016-03-21	Prepared By:	HJ

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
DRO		1,2,3,4	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		3	34.1	mg/Kg	1	25.0	136	58.2 - 150

Sample: 415786 - SB-4-5'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	128822	Date Analyzed:	2016-03-12	Analyzed By:	AK
Prep Batch:	109069	Sample Preparation:	2016-03-11	Prepared By:	AK

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
GRO		5	**14.1**	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.12	mg/Kg	1	2.00	106	70 - 130

continued ...

sample continued . . .

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
4-Bromofluorobenzene (4-BFB)			2.50	mg/Kg	1	2.00	125	70 - 130

Sample: 415787 - SB-4-10'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	128896	Date Analyzed:	2016-03-15	Analyzed By:	RL
Prep Batch:	109163	Sample Preparation:	2016-03-15	Prepared By:	RL

Parameter	Flag	Cert	Result	RL	Units	Dilution	RL
Chloride		3,4,6	<25.0		mg/Kg	1	25.0

Sample: 415788 - SB-4-15'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	128896	Date Analyzed:	2016-03-15	Analyzed By:	RL
Prep Batch:	109163	Sample Preparation:	2016-03-15	Prepared By:	RL

Parameter	Flag	Cert	Result	RL	Units	Dilution	RL
Chloride		3,4,6	<25.0		mg/Kg	1	25.0

Method Blanks

Method Blank (1) QC Batch: 128822

QC Batch:	128822	Date Analyzed:	2016-03-12	Analyzed By:	AK
Prep Batch:	109069	QC Preparation:	2016-03-11	Prepared By:	AK

Parameter	Flag	Cert	MDL Result	Units	RL
GRO		5	<1.76	mg/Kg	4

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.08	mg/Kg	1	2.00	104	70 - 130
4-Bromofluorobenzene (4-BFB)			1.91	mg/Kg	1	2.00	96	70 - 130

Method Blank (1) QC Batch: 128896

QC Batch:	128896	Date Analyzed:	2016-03-15	Analyzed By:	RL
Prep Batch:	109163	QC Preparation:	2016-03-15	Prepared By:	LQ

Parameter	Flag	Cert	MDL Result	Units	RL
Chloride		3,4,6	<8.34	mg/Kg	25

Method Blank (1) QC Batch: 128987

QC Batch:	128987	Date Analyzed:	2016-03-22	Analyzed By:	HJ
Prep Batch:	109238	QC Preparation:	2016-03-21	Prepared By:	HJ

Parameter	Flag	Cert	MDL Result	Units	RL
DRO		1,2,3,4	<8.47	mg/Kg	50

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		3	28.7	mg/Kg	1	25.0	115	58.2 - 150

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 128822 | Date Analyzed: 2016-03-12 | Analyzed By: AK
Prep Batch: 109069 | QC Preparation: 2016-03-11 | Prepared By: AK

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO		[5]	18.1	mg/Kg	1	20.0	<1.76	90	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO		[5]	16.5	mg/Kg	1	20.0	<1.76	82	70 - 130	9	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	2.03	1.94	mg/Kg	1	2.00	102	97	70 - 130
4-Bromofluorobenzene (4-BFB)	1.84	1.77	mg/Kg	1	2.00	92	88	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 128896 | Date Analyzed: 2016-03-15 | Analyzed By: RL
Prep Batch: 109163 | QC Preparation: 2016-03-15 | Prepared By: LQ

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		[3,4,6]	265	mg/Kg	1	250	<8.34	106	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		[3,4,6]	264	mg/Kg	1	250	<8.34	106	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 128987 | Date Analyzed: 2016-03-22 | Analyzed By: HJ
Prep Batch: 109238 | QC Preparation: 2016-03-21 | Prepared By: HJ

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO		1,2,3,4	623	mg/Kg	1	500	<8.47	125	68.5 - 136

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO		1,2,3,4	612	mg/Kg	1	500	<8.47	122	68.5 - 136	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate		LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Tricosane	3	29.7	30.3	mg/Kg	1	25.0	119	121	58.2 - 150

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 415718

QC Batch: 128822 | Date Analyzed: 2016-03-12 | Analyzed By: AK
Prep Batch: 109069 | QC Preparation: 2016-03-11 | Prepared By: AK

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO		5	17.9	mg/Kg	1	20.0	<1.76	90	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO		5	17.9	mg/Kg	1	20.0	<1.76	90	70 - 130	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.99	2.06	mg/Kg	1	2	100	103	70 - 130
4-Bromofluorobenzene (4-BFB)	1.81	1.91	mg/Kg	1	2	90	96	70 - 130

Matrix Spike (MS-1) Spiked Sample: 415881

QC Batch: 128896 | Date Analyzed: 2016-03-15 | Analyzed By: RL
Prep Batch: 109163 | QC Preparation: 2016-03-15 | Prepared By: LQ

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		3,4,6	454	mg/Kg	5	250	171	113	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	Qs Qs	3,4,6	496	mg/Kg	5	250	171	130	80 - 120	9	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (xMS-1) Spiked Sample: 416149

QC Batch:	128987	Date Analyzed:	2016-03-22	Analyzed By:	HJ
Prep Batch:	109238	QC Preparation:	2016-03-21	Prepared By:	HJ

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO		1,2,3,4	624	mg/Kg	1	500	<8.47	125	49.3 - 138

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO		1,2,3,4	615	mg/Kg	1	500	<8.47	123	49.3 - 138	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate		MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Tricosane	3	32.3	32.9	mg/Kg	1	25	129	132	58.2 - 150

Calibration Standards

Standard (CCV-1)

QC Batch: 128822 | Date Analyzed: 2016-03-12 | Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		5	mg/Kg	1.00	0.986	99	80 - 120	2016-03-12

Standard (CCV-2)

QC Batch: 128822 | Date Analyzed: 2016-03-12 | Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		5	mg/Kg	1.00	0.841	84	80 - 120	2016-03-12

Standard (CCV-1)

QC Batch: 128896 | Date Analyzed: 2016-03-15 | Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		3,4,6	mg/Kg	25.0	26.6	106	90 - 110	2016-03-15

Standard (CCV-2)

QC Batch: 128896 | Date Analyzed: 2016-03-15 | Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		3,4,6	mg/Kg	25.0	26.7	107	90 - 110	2016-03-15

Standard (CCV-1)

QC Batch: 128987 | Date Analyzed: 2016-03-22 | Analyzed By: HJ

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		1,2,3,4	mg/Kg	500	507	101	80 - 120	2016-03-22

Standard (CCV-2)

QC Batch: 128987 | Date Analyzed: 2016-03-22 | Analyzed By: HJ

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		1,2,3,4	mg/Kg	500	568	114	80 - 120	2016-03-22

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	L-A-B	L2418	Lubbock
2	Kansas	Kansas E-10317	Lubbock
3	LELAP	LELAP-02003	Lubbock
4	NELAP	T104704219-15-11	Lubbock
5	NELAP	T104704392-14-8	Midland
6		2015-066	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less then ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.

F	Description
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.
Please note, each attachment may consist of more than one page.

WO#: 16031101

CHAIN-OF-CUSTODY

LAI Larson & Associates, Inc.
Environmental Consultants

507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

Data Reported to:

DATE: 3/11/2016 PAGE 1 OF 1

PO #: _____ LAB WORK ORDER #: 16031101

PROJECT LOCATION OR NAME: David Bilbrey 8" Pipeline

LAI PROJECT #: 15-0171-03 COLLECTOR: Michael Gant

TRRP report? ☐ Yes ☐ No

TIME ZONE: Time zone/State:

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	ANALYSES: BTEX ☐ MTBE ☐	TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☐	DIESEL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☐ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
SB-4-5'		3/10	10:52	S	1				X				✓	✓												✓		415786
SB-4-10'		3/10	10:59	S	1				X																	✓		415787
SB-4-15'		3/10	11:04	S	1				X																	✓		415788
SB-4-20'		3/10	11:20	S	1				X																			415789
TOTAL																												

RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)

RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)

RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)

3/11/16 9:00 3/11/16 9:00

TURN AROUND TIME

NORMAL ☑

1 DAY ☐

2 DAY ☐

OTHER ☐

LABORATORY USE ONLY:

RECEIVING TEMP 3.8 THERM #: JL

CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED

☐ CARRIER BILL # _____

☑ HAND DELIVERED

WO#: 16031101

CHAIN-OF-CUSTODY

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

Data Reported to:

DATE: 3/11/2016 PAGE 1 OF 1

PO #: LAB WORK ORDER #: 16031101

PROJECT LOCATION OR NAME: David Bilbrey 8" Pipeline

LAI PROJECT #: 15-0171-03 COLLECTOR: Michael Gant

TRRP report? ☐ Yes ☐ No

TIME ZONE: Time zone/State:

S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR OT=OTHER

PRESERVATION: HCl | HNO_3 | H_2SO_4 | NaOH ☐ | ICE | UNPRESERVED

ANALYSES: BTEX ☐ MTBE ☐ | TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐ | GASOLINE MOD 8015 ☐ | DIESEL - MOD 8015 ☐ | VOC 8260 ☐ | SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ | 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ | 8082 PCBS ☐ | TCLP - METALS (RCRA) ☐ TCLP VOC ☐ | TCLP - PEST ☐ HERB ☐ Semi-VOC ☐ | TOTAL METALS (RCRA) ☐ OTHER LIST ☐ | LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐ | RCI ☐ TOX ☐ FLASHPOINT ☐ | TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ | pH ☐ HEXAVALENT CHROMIUM ☐ | EXPLOSIVES ☐ PECHLORATE ☐ | CHLORIDE ☐ ANIONS ☐ ALKALINITY ☐

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4	NaOH ☐	ICE	UNPRESERVED	ANALYSES	FIELD NOTES
SB-4-5'		3/10	10:52	S	1					X		✓ ✓ ✓	415786
SB-4-10'		3/10	10:59	S	1					X		✓	415787
SB-4-15'		3/10	11:04	S	1					X		✓	415788
SB-4-20'		3/10	11:20	S	1					X		✓	415789
TOTAL													

RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)

RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)

RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)

Michael Gant 3/11/16 9:00 Nora 3/11/16 9:00

Nora 5/4/16 10:16 Brenda Ward 3/15/16 AJ 40/4.4

TURN AROUND TIME
NORMAL ☑
1 DAY ☐
2 DAY ☐
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP 3.8 THERM #: JL
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # 25 ZT525161
☑ HAND DELIVERED

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
(BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972•242•7750
E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Michael Gant
Larson and Associates, Inc.

P. O. Box 50685
Midland, TX, 79710

Report Date: May 6, 2016

Work Order: 16050212

Project Location: Lea, NM
Project Name: David Bilbrey Site 3
Project Number: 15-0171-03

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
418413	E Wall N 3’	soil	2016-04-27	11:47	2016-05-02
418414	E Wall N 6’	soil	2016-04-27	12:45	2016-05-02
418415	E Wall N 12’	soil	2016-04-29	12:15	2016-05-02
418416	E Wall S 3’	soil	2016-04-27	11:42	2016-05-02
418417	E Wall S 6’	soil	2016-04-27	11:50	2016-05-02
418418	E Wall S 12’	soil	2016-04-29	12:18	2016-05-02
418419	W Wall N 3’	soil	2016-04-27	14:01	2016-05-02
418420	W Wall N 6’	soil	2016-04-28	11:15	2016-05-02
418421	W Wall N 12’	soil	2016-04-28	13:43	2016-05-02
418422	W Wall S 3’	soil	2016-04-27	13:15	2016-05-02
418423	W Wall S 6’	soil	2016-04-28	11:05	2016-05-02
418424	W Wall S 12’	soil	2016-04-28	13:50	2016-05-02
418425	N Wall 3’	soil	2016-04-29	11:02	2016-05-02
418426	N Wall 6’	soil	2016-04-29	10:56	2016-05-02
418427	Bottom 12’ N	soil	2016-04-28	14:00	2016-05-02
418428	S Wall 3’	soil	2016-04-29	11:23	2016-05-02
418429	S Wall 6’	soil	2016-04-29	11:12	2016-05-02

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
418430	Bottom 12' S	soil	2016-04-28	14:03	2016-05-02

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TraceAnalysis, Inc. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested, company, sampler, contacts and any special remarks.

Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Johnny Grindstaff, Operations Manager

Report Contents

Case Narrative

Samples for project David Bilbrey Site 3 were received by TraceAnalysis, Inc. on 2016-05-02 and assigned to work order 16050212. Samples for work order 16050212 were received intact at a temperature of 2.2 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (IC)	E 300.0	110084	2016-05-05 at 13:00	129942	2016-05-05 at 15:35
Chloride (IC)	E 300.0	110085	2016-05-05 at 13:00	129943	2016-05-05 at 15:35
TPH DRO	S 8015 D	110031	2016-05-03 at 13:00	129880	2016-05-04 at 09:59
TPH GRO	S 8015 D	109994	2016-05-02 at 14:33	129854	2016-05-03 at 10:18
TPH ORO	S 8015 D	110031	2016-05-03 at 13:00	129882	2016-05-04 at 10:15

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 16050212 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 418413 - E Wall N 3'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	129942	Date Analyzed:	2016-05-05	Analyzed By:	RL
Prep Batch:	110084	Sample Preparation:	2016-05-05	Prepared By:	RL

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Chloride		3,4,6	<25.0	mg/Kg	1	25.0

Sample: 418413 - E Wall N 3'

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129880	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
DRO	U	1,2,3,4	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		3	16.5	mg/Kg	1	25.0	66	58.2 - 150

Sample: 418413 - E Wall N 3'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	129854	Date Analyzed:	2016-05-03	Analyzed By:	AK
Prep Batch:	109994	Sample Preparation:	2016-05-02	Prepared By:	AK

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
GRO	U	5	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.02	mg/Kg	1	2.00	101	70 - 130

continued ...

sample continued . . .

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
4-Bromofluorobenzene (4-BFB)			1.77	mg/Kg	1	2.00	88	70 - 130

Sample: 418413 - E Wall N 3'

Laboratory:	Lubbock				
Analysis:	TPH ORO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129882	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO	Qc,U		<7.48	<50.0	<50.0	<50.0	mg/Kg	1	7.48	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			18.9	mg/Kg	1	25.0	76	70 - 130
n-Triacontane			20.4	mg/Kg	1	25.0	82	70 - 130

Sample: 418414 - E Wall N 6'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	129942	Date Analyzed:	2016-05-05	Analyzed By:	RL
Prep Batch:	110084	Sample Preparation:	2016-05-05	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		3,4,6	<25.0	mg/Kg	1	25.0

Sample: 418414 - E Wall N 6'

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129880	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO	U	1,2,3,4	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		3	16.3	mg/Kg	1	25.0	65	58.2 - 150

Sample: 418414 - E Wall N 6'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	129854	Date Analyzed:	2016-05-03	Analyzed By:	AK
Prep Batch:	109994	Sample Preparation:	2016-05-02	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	U	5	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.91	mg/Kg	1	2.00	96	70 - 130
4-Bromofluorobenzene (4-BFB)			1.83	mg/Kg	1	2.00	92	70 - 130

Sample: 418414 - E Wall N 6'

Laboratory:	Lubbock				
Analysis:	TPH ORO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129882	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO	Qc,U		<7.48	<50.0	<50.0	<50.0	mg/Kg	1	7.48	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			18.3	mg/Kg	1	25.0	73	70 - 130
n-Triacontane			20.3	mg/Kg	1	25.0	81	70 - 130

Sample: 418415 - E Wall N 12'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	129942	Date Analyzed:	2016-05-05	Analyzed By:	RL
Prep Batch:	110084	Sample Preparation:	2016-05-05	Prepared By:	RL

Parameter	Flag	Cert	Result	Units	Dilution	RL
Chloride		3,4,6	<25.0	mg/Kg	1	25.0

Sample: 418415 - E Wall N 12'

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129880	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

Parameter	Flag	Cert	Result	Units	Dilution	RL
DRO	U	1,2,3,4	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		3	16.4	mg/Kg	1	25.0	66	58.2 - 150

Sample: 418415 - E Wall N 12'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	129854	Date Analyzed:	2016-05-03	Analyzed By:	AK
Prep Batch:	109994	Sample Preparation:	2016-05-02	Prepared By:	AK

Parameter	Flag	Cert	Result	Units	Dilution	RL
GRO	U	5	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.04	mg/Kg	1	2.00	102	70 - 130
4-Bromofluorobenzene (4-BFB)			1.97	mg/Kg	1	2.00	98	70 - 130

Sample: 418415 - E Wall N 12'

Laboratory:	Lubbock				
Analysis:	TPH ORO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129882	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

continued ...

sample 418415 continued . . .

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO	Qc,U		<7.48	<50.0	<50.0	<50.0	mg/Kg	1	7.48	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			18.2	mg/Kg	1	25.0	73	70 - 130
n-Triacontane			20.9	mg/Kg	1	25.0	84	70 - 130

Sample: 418416 - E Wall S 3'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	129942	Date Analyzed:	2016-05-05	Analyzed By:	RL
Prep Batch:	110084	Sample Preparation:	2016-05-05	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		3,4,6	<25.0	mg/Kg	1	25.0

Sample: 418416 - E Wall S 3'

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129880	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO	U	1,2,3,4	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		3	16.6	mg/Kg	1	25.0	66	58.2 - 150

Sample: 418416 - E Wall S 3'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	129854	Date Analyzed:	2016-05-03	Analyzed By:	AK
Prep Batch:	109994	Sample Preparation:	2016-05-02	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	U	5	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.98	mg/Kg	1	2.00	99	70 - 130
4-Bromofluorobenzene (4-BFB)			1.91	mg/Kg	1	2.00	96	70 - 130

Sample: 418416 - E Wall S 3'

Laboratory:	Lubbock				
Analysis:	TPH ORO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129882	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO	Qc,U		<7.48	<50.0	<50.0	<50.0	mg/Kg	1	7.48	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			18.4	mg/Kg	1	25.0	74	70 - 130
n-Triacontane			21.0	mg/Kg	1	25.0	84	70 - 130

Sample: 418417 - E Wall S 6'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	129942	Date Analyzed:	2016-05-05	Analyzed By:	RL
Prep Batch:	110084	Sample Preparation:	2016-05-05	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		3,4,6	<25.0	mg/Kg	1	25.0

Sample: 418417 - E Wall S 6'

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129880	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO	U	1,2,3,4	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		3	18.3	mg/Kg	1	25.0	73	58.2 - 150

Sample: 418417 - E Wall S 6'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	129854	Date Analyzed:	2016-05-03	Analyzed By:	AK
Prep Batch:	109994	Sample Preparation:	2016-05-02	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	U	5	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.91	mg/Kg	1	2.00	96	70 - 130
4-Bromofluorobenzene (4-BFB)			1.84	mg/Kg	1	2.00	92	70 - 130

Sample: 418417 - E Wall S 6'

Laboratory:	Lubbock				
Analysis:	TPH ORO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129882	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO	Qc,Qs,U		<7.48	<50.0	<50.0	<50.0	mg/Kg	1	7.48	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			18.9	mg/Kg	1	25.0	76	70 - 130

continued . . .

sample continued . . .

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane			21.4	mg/Kg	1	25.0	86	70 - 130

Sample: 418418 - E Wall S 12'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	129942	Date Analyzed:	2016-05-05	Analyzed By:	RL
Prep Batch:	110084	Sample Preparation:	2016-05-05	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		3,4,6	<25.0	mg/Kg	1	25.0

Sample: 418418 - E Wall S 12'

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129880	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO		1,2,3,4	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		3	21.1	mg/Kg	1	25.0	84	58.2 - 150

Sample: 418418 - E Wall S 12'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	129854	Date Analyzed:	2016-05-03	Analyzed By:	AK
Prep Batch:	109994	Sample Preparation:	2016-05-02	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	U	5	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.02	mg/Kg	1	2.00	101	70 - 130
4-Bromofluorobenzene (4-BFB)			1.91	mg/Kg	1	2.00	96	70 - 130

Sample: 418418 - E Wall S 12'

Laboratory:	Lubbock				
Analysis:	TPH ORO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129882	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO	Qc,U		<7.48	<50.0	<50.0	<50.0	mg/Kg	1	7.48	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			21.7	mg/Kg	1	25.0	87	70 - 130
n-Triacontane			23.2	mg/Kg	1	25.0	93	70 - 130

Sample: 418419 - W Wall N 3'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	129942	Date Analyzed:	2016-05-05	Analyzed By:	RL
Prep Batch:	110084	Sample Preparation:	2016-05-05	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		3,4,6	<25.0	mg/Kg	1	25.0

Sample: 418419 - W Wall N 3'

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129880	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO	U	1,2,3,4	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		3	16.0	mg/Kg	1	25.0	64	58.2 - 150

Sample: 418419 - W Wall N 3'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	129854	Date Analyzed:	2016-05-03	Analyzed By:	AK
Prep Batch:	109994	Sample Preparation:	2016-05-02	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	U	5	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.00	mg/Kg	1	2.00	100	70 - 130
4-Bromofluorobenzene (4-BFB)			1.91	mg/Kg	1	2.00	96	70 - 130

Sample: 418419 - W Wall N 3'

Laboratory:	Lubbock				
Analysis:	TPH ORO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129882	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO	Qc,U		<7.48	<50.0	<50.0	<50.0	mg/Kg	1	7.48	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			18.0	mg/Kg	1	25.0	72	70 - 130
n-Triacontane			22.1	mg/Kg	1	25.0	88	70 - 130

Sample: 418420 - W Wall N 6'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	129942	Date Analyzed:	2016-05-05	Analyzed By:	RL
Prep Batch:	110084	Sample Preparation:	2016-05-05	Prepared By:	RL

Parameter	Flag	Cert	Result	Units	Dilution	RL
Chloride		3,4,6	**25.9**	mg/Kg	1	25.0

Sample: 418420 - W Wall N 6'

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129880	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

Parameter	Flag	Cert	Result	Units	Dilution	RL
DRO		1,2,3,4	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		3	18.9	mg/Kg	1	25.0	76	58.2 - 150

Sample: 418420 - W Wall N 6'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	129854	Date Analyzed:	2016-05-03	Analyzed By:	AK
Prep Batch:	109994	Sample Preparation:	2016-05-02	Prepared By:	AK

Parameter	Flag	Cert	Result	Units	Dilution	RL
GRO	U	5	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.95	mg/Kg	1	2.00	98	70 - 130
4-Bromofluorobenzene (4-BFB)			1.88	mg/Kg	1	2.00	94	70 - 130

Sample: 418420 - W Wall N 6'

Laboratory:	Lubbock				
Analysis:	TPH ORO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129882	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

continued ...

sample 418420 continued ...

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO	Qc,U		<7.48	<50.0	<50.0	<50.0	mg/Kg	1	7.48	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			19.1	mg/Kg	1	25.0	76	70 - 130
n-Triacontane			19.9	mg/Kg	1	25.0	80	70 - 130

Sample: 418421 - W Wall N 12'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	129942	Date Analyzed:	2016-05-05	Analyzed By:	RL
Prep Batch:	110084	Sample Preparation:	2016-05-05	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		3,4,6	<25.0	mg/Kg	1	25.0

Sample: 418421 - W Wall N 12'

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129880	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO	U	1,2,3,4	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		3	15.9	mg/Kg	1	25.0	64	58.2 - 150

Sample: 418421 - W Wall N 12'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	129854	Date Analyzed:	2016-05-03	Analyzed By:	AK
Prep Batch:	109994	Sample Preparation:	2016-05-02	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	U	5	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.97	mg/Kg	1	2.00	98	70 - 130
4-Bromofluorobenzene (4-BFB)			1.89	mg/Kg	1	2.00	94	70 - 130

Sample: 418421 - W Wall N 12'

Laboratory:	Lubbock				
Analysis:	TPH ORO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129882	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO	Qc,U		<7.48	<50.0	<50.0	<50.0	mg/Kg	1	7.48	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			17.7	mg/Kg	1	25.0	71	70 - 130
n-Triacontane			18.4	mg/Kg	1	25.0	74	70 - 130

Sample: 418422 - W Wall S 3'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	129942	Date Analyzed:	2016-05-05	Analyzed By:	RL
Prep Batch:	110084	Sample Preparation:	2016-05-05	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		3,4,6	<25.0	mg/Kg	1	25.0

Sample: 418422 - W Wall S 3'

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129880	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

Parameter	Flag	Cert	Result	RL Result	Units	Dilution	RL
DRO	U	1,2,3,4	<50.0		mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		3	16.9	mg/Kg	1	25.0	68	58.2 - 150

Sample: 418422 - W Wall S 3'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	129854	Date Analyzed:	2016-05-03	Analyzed By:	AK
Prep Batch:	109994	Sample Preparation:	2016-05-02	Prepared By:	AK

Parameter	Flag	Cert	Result	RL Result	Units	Dilution	RL
GRO	U	5	<4.00		mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.97	mg/Kg	1	2.00	98	70 - 130
4-Bromofluorobenzene (4-BFB)			1.86	mg/Kg	1	2.00	93	70 - 130

Sample: 418422 - W Wall S 3'

Laboratory:	Lubbock				
Analysis:	TPH ORO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129882	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO	Qc,U		<7.48	<50.0	<50.0	<50.0	mg/Kg	1	7.48	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			19.2	mg/Kg	1	25.0	77	70 - 130

continued . . .

sample continued . . .

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane			20.9	mg/Kg	1	25.0	84	70 - 130

Sample: 418423 - W Wall S 6'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	129943	Date Analyzed:	2016-05-05	Analyzed By:	RL
Prep Batch:	110085	Sample Preparation:	2016-05-05	Prepared By:	RL

Parameter	Flag	Cert	Result	RL	Units	Dilution	RL
Chloride		3,4,6	<25.0		mg/Kg	1	25.0

Sample: 418423 - W Wall S 6'

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129880	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

Parameter	Flag	Cert	Result	RL	Units	Dilution	RL
DRO	U	1,2,3,4	<50.0		mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		3	17.5	mg/Kg	1	25.0	70	58.2 - 150

Sample: 418423 - W Wall S 6'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	129854	Date Analyzed:	2016-05-03	Analyzed By:	AK
Prep Batch:	109994	Sample Preparation:	2016-05-02	Prepared By:	AK

Parameter	Flag	Cert	Result	RL	Units	Dilution	RL
GRO	U	5	<4.00		mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.86	mg/Kg	1	2.00	93	70 - 130
4-Bromofluorobenzene (4-BFB)			1.83	mg/Kg	1	2.00	92	70 - 130

Sample: 418423 - W Wall S 6'

Laboratory:	Lubbock				
Analysis:	TPH ORO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129882	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO	Qc,U		<7.48	<50.0	<50.0	<50.0	mg/Kg	1	7.48	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			19.0	mg/Kg	1	25.0	76	70 - 130
n-Triacontane			21.0	mg/Kg	1	25.0	84	70 - 130

Sample: 418424 - W Wall S 12'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	129943	Date Analyzed:	2016-05-05	Analyzed By:	RL
Prep Batch:	110085	Sample Preparation:	2016-05-05	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		3,4,6	**25.5**	mg/Kg	1	25.0

Sample: 418424 - W Wall S 12'

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129880	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO	U	1,2,3,4	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		3	18.0	mg/Kg	1	25.0	72	58.2 - 150

Sample: 418424 - W Wall S 12'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	129854	Date Analyzed:	2016-05-03	Analyzed By:	AK
Prep Batch:	109994	Sample Preparation:	2016-05-02	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	U	5	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.92	mg/Kg	1	2.00	96	70 - 130
4-Bromofluorobenzene (4-BFB)			1.83	mg/Kg	1	2.00	92	70 - 130

Sample: 418424 - W Wall S 12'

Laboratory:	Lubbock				
Analysis:	TPH ORO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129882	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO	Qc,U		<7.48	<50.0	<50.0	<50.0	mg/Kg	1	7.48	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			19.2	mg/Kg	1	25.0	77	70 - 130
n-Triacontane			22.3	mg/Kg	1	25.0	89	70 - 130

Sample: 418425 - N Wall 3'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	129943	Date Analyzed:	2016-05-05	Analyzed By:	RL
Prep Batch:	110085	Sample Preparation:	2016-05-05	Prepared By:	RL

Parameter	Flag	Cert	Result	Units	Dilution	RL
Chloride		3,4,6	**40.2**	mg/Kg	1	25.0

Sample: 418425 - N Wall 3'

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129880	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

Parameter	Flag	Cert	Result	Units	Dilution	RL
DRO		1,2,3,4	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		3	16.2	mg/Kg	1	25.0	65	58.2 - 150

Sample: 418425 - N Wall 3'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	129854	Date Analyzed:	2016-05-03	Analyzed By:	AK
Prep Batch:	109994	Sample Preparation:	2016-05-02	Prepared By:	AK

Parameter	Flag	Cert	Result	Units	Dilution	RL
GRO	U	5	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.93	mg/Kg	1	2.00	96	70 - 130
4-Bromofluorobenzene (4-BFB)			1.86	mg/Kg	1	2.00	93	70 - 130

Sample: 418425 - N Wall 3'

Laboratory:	Lubbock				
Analysis:	TPH ORO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129882	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

continued ...

sample 418425 continued . . .

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO	Qc,U		<7.48	<50.0	<50.0	<50.0	mg/Kg	1	7.48	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			18.9	mg/Kg	1	25.0	76	70 - 130
n-Triacontane			22.4	mg/Kg	1	25.0	90	70 - 130

Sample: 418426 - N Wall 6'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	129943	Date Analyzed:	2016-05-05	Analyzed By:	RL
Prep Batch:	110085	Sample Preparation:	2016-05-05	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		3,4,6	**337**	mg/Kg	1	25.0

Sample: 418426 - N Wall 6'

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129880	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO		1,2,3,4	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		3	16.3	mg/Kg	1	25.0	65	58.2 - 150

Sample: 418426 - N Wall 6'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	129854	Date Analyzed:	2016-05-03	Analyzed By:	AK
Prep Batch:	109994	Sample Preparation:	2016-05-02	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	U	5	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.94	mg/Kg	1	2.00	97	70 - 130
4-Bromofluorobenzene (4-BFB)			1.85	mg/Kg	1	2.00	92	70 - 130

Sample: 418426 - N Wall 6'

Laboratory:	Lubbock				
Analysis:	TPH ORO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129882	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO	Qc,U		<7.48	<50.0	<50.0	<50.0	mg/Kg	1	7.48	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			19.0	mg/Kg	1	25.0	76	70 - 130
n-Triacontane			23.2	mg/Kg	1	25.0	93	70 - 130

Sample: 418427 - Bottom 12' N

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	129943	Date Analyzed:	2016-05-05	Analyzed By:	RL
Prep Batch:	110085	Sample Preparation:	2016-05-05	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		3,4,6	**127**	mg/Kg	1	25.0

Sample: 418427 - Bottom 12' N

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129880	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

Parameter	Flag	Cert	Result	RL Result	Units	Dilution	RL
DRO	U	1,2,3,4		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		3	17.1	mg/Kg	1	25.0	68	58.2 - 150

Sample: 418427 - Bottom 12' N

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	129854	Date Analyzed:	2016-05-03	Analyzed By:	AK
Prep Batch:	109994	Sample Preparation:	2016-05-02	Prepared By:	AK

Parameter	Flag	Cert	Result	RL Result	Units	Dilution	RL
GRO	U	5		<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.91	mg/Kg	1	2.00	96	70 - 130
4-Bromofluorobenzene (4-BFB)			1.84	mg/Kg	1	2.00	92	70 - 130

Sample: 418427 - Bottom 12' N

Laboratory:	Lubbock				
Analysis:	TPH ORO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129882	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO	Qc,U		<7.48	<50.0	<50.0	<50.0	mg/Kg	1	7.48	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			19.0	mg/Kg	1	25.0	76	70 - 130

continued . . .

sample continued . . .

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane			22.5	mg/Kg	1	25.0	90	70 - 130

Sample: 418428 - S Wall 3'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	129943	Date Analyzed:	2016-05-05	Analyzed By:	RL
Prep Batch:	110085	Sample Preparation:	2016-05-05	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		3,4,6	<25.0	mg/Kg	1	25.0

Sample: 418428 - S Wall 3'

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129880	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO		1,2,3,4	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		3	18.6	mg/Kg	1	25.0	74	58.2 - 150

Sample: 418428 - S Wall 3'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	129854	Date Analyzed:	2016-05-03	Analyzed By:	AK
Prep Batch:	109994	Sample Preparation:	2016-05-02	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	U	5	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.91	mg/Kg	1	2.00	96	70 - 130
4-Bromofluorobenzene (4-BFB)			1.84	mg/Kg	1	2.00	92	70 - 130

Sample: 418428 - S Wall 3'

Laboratory:	Lubbock				
Analysis:	TPH ORO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129882	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO	Qc,U		<7.48	<50.0	<50.0	<50.0	mg/Kg	1	7.48	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			17.7	mg/Kg	1	25.0	71	70 - 130
n-Triacontane			21.1	mg/Kg	1	25.0	84	70 - 130

Sample: 418429 - S Wall 6'

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	129943	Date Analyzed:	2016-05-05	Analyzed By:	RL
Prep Batch:	110085	Sample Preparation:	2016-05-05	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		3,4,6	**37.9**	mg/Kg	1	25.0

Sample: 418429 - S Wall 6'

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129880	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO	U	1,2,3,4	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		3	16.5	mg/Kg	1	25.0	66	58.2 - 150

Sample: 418429 - S Wall 6'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	129854	Date Analyzed:	2016-05-03	Analyzed By:	AK
Prep Batch:	109994	Sample Preparation:	2016-05-02	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	U	5	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.07	mg/Kg	1	2.00	104	70 - 130
4-Bromofluorobenzene (4-BFB)			1.96	mg/Kg	1	2.00	98	70 - 130

Sample: 418429 - S Wall 6'

Laboratory:	Lubbock				
Analysis:	TPH ORO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129882	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO	Qc,U		<7.48	<50.0	<50.0	<50.0	mg/Kg	1	7.48	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			19.2	mg/Kg	1	25.0	77	70 - 130
n-Triacontane			22.2	mg/Kg	1	25.0	89	70 - 130

Sample: 418430 - Bottom 12' S

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	129943	Date Analyzed:	2016-05-05	Analyzed By:	RL
Prep Batch:	110085	Sample Preparation:	2016-05-05	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		3,4,6	**55.8**	mg/Kg	1	25.0

Sample: 418430 - Bottom 12' S

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129880	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO	U	1,2,3,4	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		3	27.4	mg/Kg	1	25.0	110	58.2 - 150

Sample: 418430 - Bottom 12' S

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	129854	Date Analyzed:	2016-05-03	Analyzed By:	AK
Prep Batch:	109994	Sample Preparation:	2016-05-02	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	U	5	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.00	mg/Kg	1	2.00	100	70 - 130
4-Bromofluorobenzene (4-BFB)			1.92	mg/Kg	1	2.00	96	70 - 130

Sample: 418430 - Bottom 12' S

Laboratory:	Lubbock				
Analysis:	TPH ORO	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	129882	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	Sample Preparation:	2016-05-03	Prepared By:	HJ

continued . . .

sample 418430 continued . . .

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO	Qc,U		<7.48	<50.0	<50.0	<50.0	mg/Kg	1	7.48	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			26.9	mg/Kg	1	25.0	108	70 - 130
n-Triacontane			32.6	mg/Kg	1	25.0	130	70 - 130

Method Blanks

Method Blank (1) QC Batch: 129854

QC Batch:	129854	Date Analyzed:	2016-05-03	Analyzed By:	AK
Prep Batch:	109994	QC Preparation:	2016-05-02	Prepared By:	AK

Parameter	Flag	Cert	MDL Result	Units	RL
GRO		[5]	<1.76	mg/Kg	4

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.89	mg/Kg	1	2.00	94	70 - 130
4-Bromofluorobenzene (4-BFB)			1.42	mg/Kg	1	2.00	71	70 - 130

Method Blank (1) QC Batch: 129880

QC Batch:	129880	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	QC Preparation:	2016-05-03	Prepared By:	HJ

Parameter	Flag	Cert	MDL Result	Units	RL
DRO		[1,2,3,4]	<8.47	mg/Kg	50

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		[3]	23.8	mg/Kg	1	25.0	95	58.2 - 150

Method Blank (1) QC Batch: 129882

QC Batch:	129882	Date Analyzed:	2016-05-04	Analyzed By:	HJ
Prep Batch:	110031	QC Preparation:	2016-05-03	Prepared By:	HJ

Parameter	Flag	Cert	MDL Result	Units	RL
ORO			<7.48	mg/Kg	50

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			27.3	mg/Kg	1	25.0	109	70 - 130
n-Triacontane			29.4	mg/Kg	1	25.0	118	70 - 130

Method Blank (1) QC Batch: 129942

QC Batch: 129942 Date Analyzed: 2016-05-05 Analyzed By: RL
Prep Batch: 110084 QC Preparation: 2016-05-05 Prepared By: RL

Parameter	Flag	Cert	MDL Result	Units	RL
Chloride		3,4,6	<4.44	mg/Kg	25

Method Blank (1) QC Batch: 129943

QC Batch: 129943 Date Analyzed: 2016-05-05 Analyzed By: RL
Prep Batch: 110085 QC Preparation: 2016-05-05 Prepared By: RL

Parameter	Flag	Cert	MDL Result	Units	RL
Chloride		3,4,6	<4.44	mg/Kg	25

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 129854 | Date Analyzed: 2016-05-03 | Analyzed By: AK
Prep Batch: 109994 | QC Preparation: 2016-05-02 | Prepared By: AK

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO		5	20.6	mg/Kg	1	20.0	<1.76	103	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO		5	20.5	mg/Kg	1	20.0	<1.76	102	70 - 130	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.92	1.95	mg/Kg	1	2.00	96	98	70 - 130
4-Bromofluorobenzene (4-BFB)	1.83	1.85	mg/Kg	1	2.00	92	92	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 129880 | Date Analyzed: 2016-05-04 | Analyzed By: HJ
Prep Batch: 110031 | QC Preparation: 2016-05-03 | Prepared By: HJ

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO		1,2,3,4	495	mg/Kg	1	500	<8.47	99	68.5 - 136

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO		1,2,3,4	469	mg/Kg	1	500	<8.47	94	68.5 - 136	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate		LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Tricosane	3	29.6	28.1	mg/Kg	1	25.0	118	112	58.2 - 150

Laboratory Control Spike (LCS-1)

QC Batch: 129882 | Date Analyzed: 2016-05-04 | Analyzed By: HJ
Prep Batch: 110031 | QC Preparation: 2016-05-03 | Prepared By: HJ

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
ORO	Qs	Qs	<7.48	mg/Kg	1	500	<7.48	0	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
ORO	Qs	Qs	<7.48	mg/Kg	1	500	<7.48	0	70 - 130	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Tricosane	31.1	28.6	mg/Kg	1	25.0	124	114	70 - 130
n-Triacontane	30.3	28.4	mg/Kg	1	25.0	121	114	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 129942 | Date Analyzed: 2016-05-05 | Analyzed By: RL
Prep Batch: 110084 | QC Preparation: 2016-05-05 | Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		3,4,6	256	mg/Kg	1	250	<4.44	102	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		3,4,6	254	mg/Kg	1	250	<4.44	102	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 129943 | Date Analyzed: 2016-05-05 | Analyzed By: RL
Prep Batch: 110085 | QC Preparation: 2016-05-05 | Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		3,4,6	253	mg/Kg	1	250	<4.44	101	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		3,4,6	262	mg/Kg	1	250	<4.44	105	90 - 110	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 418414

QC Batch: 129854 | Date Analyzed: 2016-05-03 | Analyzed By: AK
Prep Batch: 109994 | QC Preparation: 2016-05-02 | Prepared By: AK

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO		[5]	16.9	mg/Kg	1	20.0	<1.76	84	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO		[5]	18.7	mg/Kg	1	20.0	<1.76	94	70 - 130	10	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.82	1.85	mg/Kg	1	2	91	92	70 - 130
4-Bromofluorobenzene (4-BFB)	1.95	1.92	mg/Kg	1	2	98	96	70 - 130

Matrix Spike (MS-1) Spiked Sample:

QC Batch: 129880 | Date Analyzed: 2016-05-04 | Analyzed By: HJ
Prep Batch: 110031 | QC Preparation: 2016-05-03 | Prepared By: HJ

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO		[1,2,3,4]	454	mg/Kg	1	500	<8.47	91	49.3 - 138

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO		[1,2,3,4]	431	mg/Kg	1	500	<8.47	86	49.3 - 138	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate		MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Tricosane	[3]	23.7	25.7	mg/Kg	1	25	95	103	58.2 - 150

Matrix Spike (MS-1) Spiked Sample: 418417

QC Batch: 129882 | Date Analyzed: 2016-05-04 | Analyzed By: HJ
Prep Batch: 110031 | QC Preparation: 2016-05-03 | Prepared By: HJ

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
ORO	Qs	Qs	–	mg/Kg	1	500	<7.48	0	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
ORO	Qs	Qs	<7.48	mg/Kg	1	500	<7.48	0	70 - 130	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Tricosane	–	29.9	mg/Kg	1	25	102	120	70 - 130
n-Triacontane	–	22.6	mg/Kg	1	25	84	90	70 - 130

Matrix Spike (MS-1) Spiked Sample: 418422

QC Batch: 129942 | Date Analyzed: 2016-05-05 | Analyzed By: RL
Prep Batch: 110084 | QC Preparation: 2016-05-05 | Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		3,4,6	264	mg/Kg	1	250	7	103	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		3,4,6	271	mg/Kg	1	250	7	106	80 - 120	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 418430

QC Batch: 129943 | Date Analyzed: 2016-05-05 | Analyzed By: RL
Prep Batch: 110085 | QC Preparation: 2016-05-05 | Prepared By: RL

Param		F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	Qs	Qs	3,4,6	242	mg/Kg	1	250	55.8	74	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		3,4,6	278	mg/Kg	1	250	55.8	89	80 - 120	14	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Calibration Standards

Standard (CCV-1)

QC Batch: 129854 | Date Analyzed: 2016-05-03 | Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		5	mg/Kg	1.00	0.984	98	80 - 120	2016-05-03

Standard (CCV-2)

QC Batch: 129854 | Date Analyzed: 2016-05-03 | Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		5	mg/Kg	1.00	0.913	91	80 - 120	2016-05-03

Standard (CCV-3)

QC Batch: 129854 | Date Analyzed: 2016-05-03 | Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		5	mg/Kg	1.00	0.828	83	80 - 120	2016-05-03

Standard (CCV-1)

QC Batch: 129880 | Date Analyzed: 2016-05-04 | Analyzed By: HJ

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		1,2,3,4	mg/Kg	500	486	97	80 - 120	2016-05-04

Standard (CCV-2)

QC Batch: 129880 Date Analyzed: 2016-05-04 Analyzed By: HJ

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		1,2,3,4	mg/Kg	500	436	87	80 - 120	2016-05-04

Standard (CCV-1)

QC Batch: 129882 Date Analyzed: 2016-05-04 Analyzed By: HJ

Param		Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
ORO	Qc	Qc		mg/Kg	500	5.79	1	80 - 120	2016-05-04

Standard (CCV-2)

QC Batch: 129882 Date Analyzed: 2016-05-04 Analyzed By: HJ

Param		Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
ORO	Qc	Qc		mg/Kg	500	7.14	1	80 - 120	2016-05-04

Standard (CCV-1)

QC Batch: 129942 Date Analyzed: 2016-05-05 Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		3,4,6	mg/Kg	25.0	25.5	102	90 - 110	2016-05-05

Standard (CCV-2)

QC Batch: 129942 Date Analyzed: 2016-05-05 Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		3,4,6	mg/Kg	25.0	25.4	102	90 - 110	2016-05-05

Standard (CCV-1)

QC Batch: 129943 Date Analyzed: 2016-05-05 Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		3,4,6	mg/Kg	25.0	25.4	102	90 - 110	2016-05-05

Standard (CCV-2)

QC Batch: 129943 Date Analyzed: 2016-05-05 Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		3,4,6	mg/Kg	25.0	25.6	102	90 - 110	2016-05-05

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	L-A-B	L2418	Lubbock
2	Kansas	Kansas E-10317	Lubbock
3	LELAP	LELAP-02003	Lubbock
4	NELAP	T104704219-16-12	Lubbock
5	NELAP	T104704392-14-8	Midland
6		2015-066	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less then ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.

F	Description
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.
Please note, each attachment may consist of more than one page.

WO#: 1605021 2

CHAIN-OF-CUSTODY

Larson & Associates, Inc.
Environmental Consultants

507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

Data Reported to:

DATE: 5/2/2016 PAGE 1 OF 2

PO #: _____ LAB WORK ORDER #: _____

PROJECT LOCATION OR NAME: David Bilbrey Site 3 Lea, NM

LAI PROJECT #: 15-0171-03 COLLECTOR: Michael Gant

TRRP report? ☐ Yes ☐ No

TIME ZONE: Time zone/State: MST/NM

S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR OT=OTHER

PRESERVATION: HCl | HNO_3 | H_2SO_4 ☐ NaOH ☐ | ICE | UNPRESERVED

ANALYSES: BTEX ☐ MTBE ☐ | TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐ | GASOLINE MOD 8015 X | DIESEL - MOD 8015 X ORO X | VOC 8260 ☐ | SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ | 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ | 8082 PCBS ☐ | TCLP - METALS (RCRA) ☐ TCLP VOC ☐ | TCLP - PEST ☐ HERB ☐ Semi-VOC ☐ | TOTAL METALS (RCRA) ☐ OTHER LIST ☐ | LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐ | RCI ☐ TOX ☐ FLASHPOINT ☐ | TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ | pH ☐ HEXAVALENT CHROMIUM ☐ | EXPLOSIVES ☐ PECHLORATE ☐ | CHLORIDE X ANIONS ☐ ALKALINITY ☐ | 300.0

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 NaOH	ICE	UNPRESERVED	FIELD NOTES
Ewall N 3'		4/27	11:47	S	1				X		418413
Ewall N 6'		4/27	12:45	S	1				X		414
Ewall N 12'		4/29	12:15	S	1				X		415
Ewall S 3'		4/27	11:42	S	1				X		416
Ewall S 6'		4/27	11:50	S	1				X		417
Ewall S 12'		4/29	12:18	S	1				X		418
Wwall N 3'		4/27	14:01	S	1				X		419
W wall N 6'		4/28	11:15	S	1				X		420
Wwall N 12'		4/28	13:43	S	1				X		421
W wall S 3'		4/27	13:15	S	1				X		422
W wall S 6'		4/28	11:05	S	1				X		423
W wall S 12'		4/28	13:50	S	1				X		424
N wall 3'		4/29	11:02	S	1				X		425
N wall 6'		4/29	10:56	S	1				X		426
Bottom 12' N		4/28	14:00	S	1				X		427
TOTAL											

RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
[signature]	5/2/16	[signature] 5/2/16 9:49
[signature]	5/2/16 10:00	RECEIVED BY: (Signature)
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)

TURN AROUND TIME
NORMAL ☐
1 DAY ☐
2 DAY X
OTHER ☐
_____

LABORATORY USE ONLY:
RECEIVING TEMP: 2.2 THERM #: IR 1
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☐ HAND DELIVERED

WO #: 160S0212

CHAIN-OF-CUSTODY

Larson & Associates, Inc.
Environmental Consultants

507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

Data Reported to:

DATE: 5/2/2016 PAGE 2 OF 3

PO #: _____ LAB WORK ORDER #: _____

PROJECT LOCATION OR NAME: David Bilbrey Site 3 Lea, NM

LAI PROJECT #: 15-0171-03 COLLECTOR: Michael Garrett

TRRP report? ☐ Yes ☐ No

TIME ZONE: Time zone/State:

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

PRESERVATION: HCl | HNO_3 | H_2SO_4 ☐ NaOH ☐ | ICE | UNPRESERVED

ANALYSES: BTEX ☐ MTBE ☐ | TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐ | GASOLINE MOD 8015 X | DIESEL - MOD 8015 X ORO X | VOC 8260 ☐ | SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ | 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ | 8082 PCBS ☐ | TCLP - METALS (RCRA) ☐ TCLP VOC ☐ | TCLP - PEST ☐ HERB ☐ Semi-VOC ☐ | TOTAL METALS (RCRA) ☐ OTHER LIST ☐ | LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐ | RCI ☐ TOX ☐ FLASHPOINT ☐ | TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ | pH ☐ HEXAVALENT CHROMIUM ☐ | EXPLOSIVES ☐ PECHLORATE ☐ | CHLORIDE X ANIONS ☐ ALKALINITY ☐ | 300.0

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	BTEX ☐ MTBE ☐	TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 X	DIESEL - MOD 8015 X ORO X	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE X ANIONS ☐ ALKALINITY ☐	300.0	FIELD NOTES
S wall 3'		4/29	11:23	S					X			X	X														X		418428
S wall 6'		4/29	11:12	S					X			X	X														X		418429
Bottom 12' S		4/28	14:03	S					X			X	X														X		418430

TOTAL

RELINQUISHED BY:(Signature) _____ DATE/TIME 5/2/16 RECEIVED BY: (Signature) _____ 5/2/16 9:49

RELINQUISHED BY:(Signature) _____ DATE/TIME 5/2/16 10:00 RECEIVED BY: (Signature) _____

RELINQUISHED BY:(Signature) _____ DATE/TIME _____ RECEIVED BY: (Signature) _____

TURN AROUND TIME

NORMAL ☐
1 DAY ☐
2 DAY X
OTHER ☐

LABORATORY USE ONLY:

RECEIVING TEMP: 2.2 THERM #: IR-1

CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED

☐ CARRIER BILL # _____

☐ HAND DELIVERED

APPENDIX B

Boring Logs

BORING RECORD

GEOLOGIC UNIT	DEPTH	DESCRIPTION LITHOLOGIC	DESCRIPTION USCS	GRAPHIC LOG	PID READING (PPM X 1)	SAMPLE NUMBER	SAMPLE PID READING	SAMPLE RECOVERY	SAMPLE DEPTH	REMARKS BACKGROUND PID READING
	0									11:45
							NR		4	
	5	fine Sandy Clay, well sorted, 2.5 YR 3/4, dark red brown	SC			1	0.8		5	11:47 0.8
							NR		9	
	10	silty Clay, well sorted, 5 YR 5/6, brownish red	SC			2	6.1		10	11:52 6.1
							NR		14	
	15	very fine Sandy Clay, some Sandstone, well sorted, 5 YR 6/6, reddish yellow	SC			3	0.8		15	12:09 0.8
							NR		19	
	20	very fine Sand and some Clay, well sorted, 5 YR 6/6, reddish yellow	SM			4	0.8		20	12:24 0.8
		TD : 20' No Groundwater Observed								

PID READING scale: 2 4 6 8 10 12 14 16 18

REMARKS: SOIL : _____ PPM; SOIL : _____ PPM

ONE CONTINUOUS AUGER SAMPLER
STANDARD PENETRATION TEST
UNDISTURBED SAMPLE
WATER TABLE (24 HRS)
WATER TABLE (TIME OF BORING)
LABORATORY TEST LOCATION
PENETROMETER (TONS/ SQ. FT)
NR NO RECOVERY

Larson & Associates, Inc. Environmental Consultants

DRILL DATE : 03-09-2016

BORING NUMBER : SB - 1

JOB NUMBER : 15-0171-01 David Bilbrey 8" Pipeline
HOLE DIAMETER : 5"
LOCATION : Lea County, New Mexico
LAI GEOLOGIST : MG
DRILLING CONTRACTOR : SDC
DRILLING METHOD : Air Rotary

BORING RECORD

GEOLOGIC UNIT	DEPTH	DESCRIPTION LITHOLOGIC	DESCRIPTION USCS	GRAPHIC LOG	PID READING (PPM X 1)	SAMPLE NUMBER	SAMPLE PID READING	SAMPLE RECOVERY	SAMPLE DEPTH	REMARKS BACKGROUND PID READING
	0								0	SOIL : _____ PPM SOIL : _____ PPM
								NR	4	
	5	fine Sandy Clay, well sorted, olive gray 5 YR 4/2	SC			1	2.6		5	12:32 2.6
								NR	9	
	10	fine Sandy Clay, well sorted, slight odor, pale yellow tan, 5 YR 8/4	SC			2	16.8		10	12:39 16.8
								NR	14	
	15	fine Sand with some Clay, well sorted, reddish yellow, 5 YR 6/8	SC			3	4.4		15	12:52 4.4
								NR	19	
	20	very fine Sand, well sorted, reddish yellow 7.5 YR 6/8	SM			4	4.4		20	01:02 4.4
								NR	24	
	25	very fine Sand, well sorted, pink, 7.5 YR 8/4	SM			5	0.8		25	01:18 0.8
								NR	29	
	30	very fine Sand, friable, well sorted, reddish yellow, 5 YR 6/6	SM			6	0.8		30	01:25 0.8
		TD : 30.8' No Groundwater Observed								

ONE CONTINUOUS AUGER SAMPLER
STANDARD PENETRATION TEST
UNDISTURBED SAMPLE
WATER TABLE (24 HRS)
WATER TABLE (TIME OF BORING)
LABORATORY TEST LOCATION
PENETROMETER (TONS/ SQ. FT)
NR NO RECOVERY

Larson & Associates, Inc.
Environmental Consultants

DRILL DATE : 03-09-2016

BORING NUMBER : SB - 2

JOB NUMBER : 15-0171-01 David Bilbrey 8" Pipeline
HOLE DIAMETER : 5"
LOCATION : Lea County, New Mexico
LAI GEOLOGIST : MG
DRILLING CONTRACTOR : SDC
DRILLING METHOD : Air Rotary

BORING RECORD

GEOLOGIC UNIT	DEPTH	DESCRIPTION LITHOLOGIC	DESCRIPTION USCS	GRAPHIC LOG	PID READING (PPM X 52)	SAMPLE NUMBER	SAMPLE PID READING	SAMPLE RECOVERY	SAMPLE DEPTH	REMARKS BACKGROUND PID READING
	0								0	SOIL : _____ PPM SOIL : _____ PPM
								NR	4	
	5	Sandy Loam, well sorted, 2.5 YR 5/2, gray brown, slight odor	SC	SC		1	62.3		5	01:34 62.3
								NR	9	
	10	Sandy Clay, well sorted, 2.5 YR 4/2, dark gray brown, odor	SC	SC		2	1040		10	01:39 1040
								NR	14	
	15	very fine Sand with some Clay, 5 YR 5/8, well sorted, yellowish red	SC	SC		3	27.2		15	01:42 27.2
								NR	19	
	20	very fine Sand with some friable Sand Stone, well sorted, 5 YR 8/3, pink	SM	SM		4	53.2		20	01:47 53.2
								NR	24	
	25	very fine Sand, well sorted, 5 YR 7/4, pink, friable	SM	SM		5	2.6		25	02:03 2.6
								NR	29	
	30	very fine Silty Sand with friable Sandstone, well sorted, 5 YR 8/3, pink	SM	SM		6	0.8		30	02:19 0.8
		TD : 30' No Groundwater Observed								

ONE CONTINUOUS AUGER SAMPLER
STANDARD PENETRATION TEST
UNDISTURBED SAMPLE
WATER TABLE (24 HRS)
WATER TABLE (TIME OF BORING)
L LABORATORY TEST LOCATION
+ PENETROMETER (TONS/ SQ. FT)
NR NO RECOVERY

JOB NUMBER : 15-0171-01 David Bilbrey 8" Pipeline
HOLE DIAMETER : 5"
LOCATION : Lea County, New Mexico
LAI GEOLOGIST : MG
DRILLING CONTRACTOR : SDC
DRILLING METHOD : Air Rotary

Larson & Associates, Inc. Environmental Consultants

DRILL DATE : 03-09-2016

BORING NUMBER : SB - 3

BORING RECORD

GEOLOGIC UNIT	DEPTH	DESCRIPTION LITHOLOGIC	DESCRIPTION USCS	GRAPHIC LOG	PID READING (PPM X 1.5)	SAMPLE NUMBER	SAMPLE PID READING	SAMPLE RECOVERY	SAMPLE DEPTH	REMARKS BACKGROUND PID READING
	0								0	SOIL : _____ PPM SOIL : _____ PPM
							NR		4	
	5	fine Sandy Loam, well sorted, 5 YR 3/4, reddish brown	SC			1	29.2		5	10:52 29.2
							NR		9	
	10	very fine Sandy Loam Clay, well sorted, 7.5 YR 7/6, reddish yellow	SC			2	0.8		10	10:59 0.8
							NR		14	
	15	very fine Sandy Clay, well sorted, 5 YR 5/6, yellowish red, plastic	SC			3	0.8		15	11:04 0.8
			SM				NR		19	
		very fine Sand with some Clay Sandstone, well sorted, 5 YR 6/6, reddish yellow				4	0.8		20	11:20 0.8
	20	TD : 20' No Groundwater Observed								

ONE CONTINUOUS AUGER SAMPLER
STANDARD PENETRATION TEST
UNDISTURBED SAMPLE
WATER TABLE (24 HRS)
WATER TABLE (TIME OF BORING)
LABORATORY TEST LOCATION
PENETROMETER (TONS/ SQ. FT)
NR NO RECOVERY

JOB NUMBER : 15-0171-01 David Bilbrey 8" Pipeline
HOLE DIAMETER : 5"
LOCATION : Lea County, New Mexico
LAI GEOLOGIST : MG
DRILLING CONTRACTOR : SDC
DRILLING METHOD : Air Rotary

Larson & Associates, Inc. Environmental Consultants

DRILL DATE : 03-10-2016

BORING NUMBER : SB - 4

APPENDIX C

Photographs

Photographs

Barren Area Viewing Northeast, January 26, 2016

Barren Area Viewing Southeast, January 26, 2016

Photographs

Barren Area Viewing Southwest, January 26, 2016

Barren Area Viewing Northwest, January 26, 2016

Photographs

Initial Excavation Viewing North, April 27, 2016

Photographs

Initial Excavation and Sidewall Sample Location Viewing Northwest, April 27, 2016

Initial Excavation and Sidewall Sample Location Viewing Southwest, April 27, 2016

Photographs

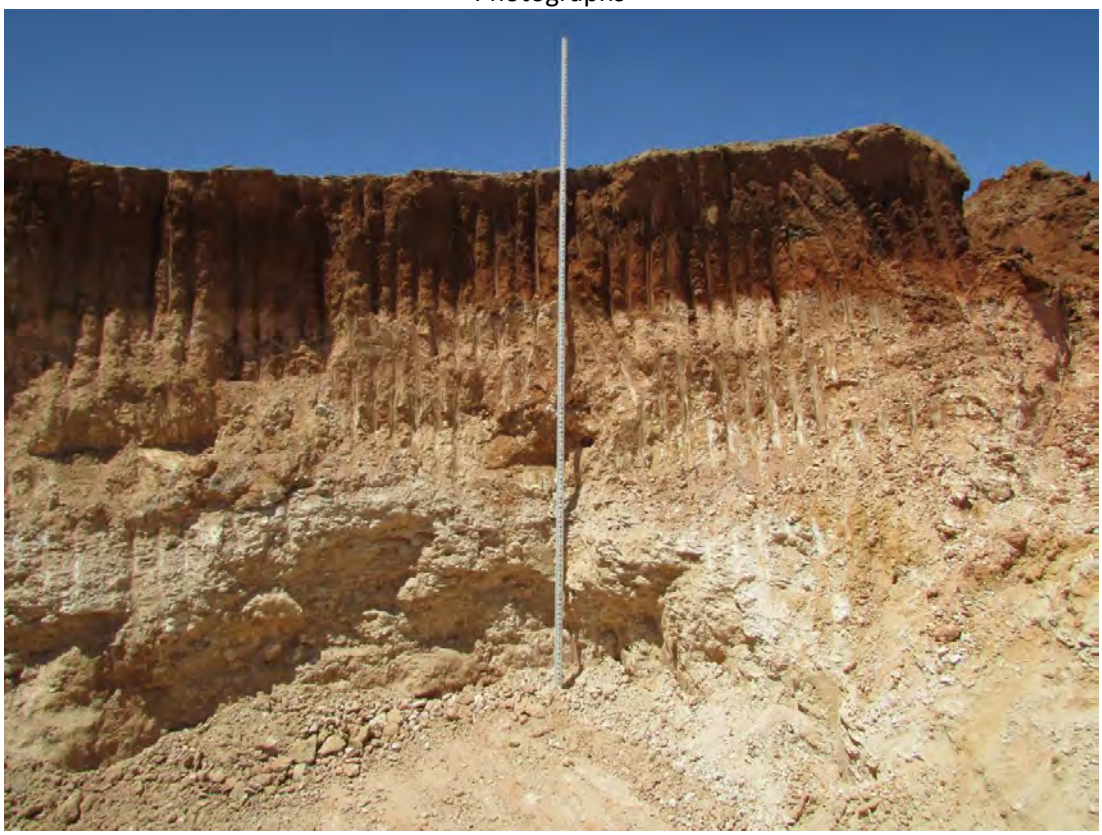
Initial Excavation Viewing North, April 27, 2016

Photographs

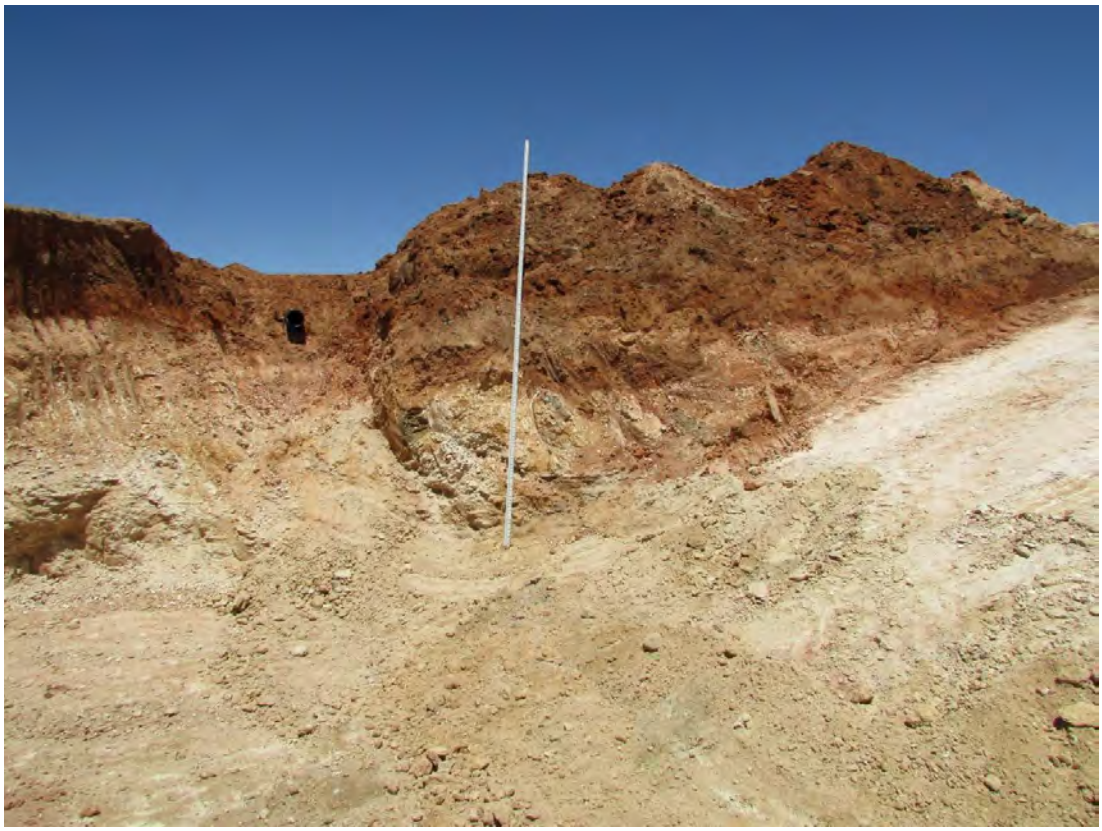
Contaminated Soil Pile from Initial Excavation Viewing West, April 27, 2016

Sample Collection from Southwest Side, April 28, 2016 Note: Approximate depth 12 feet

Photographs



Sample Collection from Northwest Side, April 28, 2016 Note: Approximate depth 12 feet



Sample Collection from Northeast, April 28, 2016 Note: Approximate depth 12 feet

Photographs

Sample Collection from Southeast Side, April 28, 2016 Note: Approximate depth 11 feet

Sample Collection from West Side, April 28, 2016 Note: Approximate depth 12 feet

Photographs

Excavation Prior to Backfilling Viewing North, April 28, 2016

Contaminated Soil Disposed at Gandy-Marlet Landfill Viewing Southeast, April 28, 2016

Photographs

Excavation Prior to Backfilling Viewing South, April 28, 2016

Excavation Following Backfilling Viewing East, May 10, 2017

Photographs

Excavation Following Backfilling Viewing South, May 10, 2016

Excavation Following Backfilling Viewing West, May 10, 2016

Photographs

Excavation Following Backfilling Viewing North, May 10, 2016

APPENDIX D

Waste Manifests

Gandy Marley, Inc.
P.O. Box 1658 Roswell, NM 88202
Phone 575-347-0434 Fax 575-347-0435

Targa Midstream Services
PO Box 1689
Lovington, NM 88260

5/4/2016

Detailed Report of material for invoices 23895 thru 23895

EXEMPT OCD

Origin: DB CLEAN UP #2

Date:	Ticket No:	Description	Transporter:	Coll:	Units	Unit Type:
4/29/2016	32066		Gandy Inc.	LF	12	YARDS
4/29/2016	32067		Gandy Inc.	LF	12	YARDS
4/29/2016	32068		Gandy Inc.	LF	12	YARDS
4/29/2016	32069		Gandy Inc.	LF	12	YARDS
4/29/2016	32070		Gandy Inc.	LF	12	YARDS
4/29/2016	32073		Gandy Inc.	LF	12	YARDS
4/29/2016	32074		Gandy Inc.	LF	12	YARDS
4/29/2016	32075		Gandy Inc.	LF	12	YARDS
4/29/2016	32085		Gandy Inc.	LF	12	YARDS
4/29/2016	32086		Gandy Inc.	LF	12	YARDS
4/29/2016	32102		Gandy Inc.	LF	12	YARDS
4/29/2016	32103		Gandy Inc.	LF	12	YARDS
4/29/2016	32104		Gandy Inc.	LF	12	YARDS
4/29/2016	32126		Gandy Inc.	LF	12	YARDS
4/29/2016	32127		Gandy Inc.	LF	12	YARDS

DB CLEAN UP #2 Total YARDS. 180 YARDS

EXEMPT OCD Total YARDS. 180 YARDS

EXEMPT OCD Total Units. 180 Units

Targa Midstream Services Total Units. 180 Units

GANDY•MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32066

LEASE OPERATOR/SHIPPER/COMPANY: Targa

LEASE NAME: Sundees Field Leak # 2 DA cleanup

TRANSPORTER COMPANY: Gandy TIME: 9:45 AM/PM

DATE: 4-29-16 VEHICLE NO.: 320 DRIVER NO.:

CHARGE TO: Targa

TYPE OF MATERIAL

OCD

[ ] Other Material: [x] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LF :[ ] _____

AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY•MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: David M Turon

FACILITY REPRESENTATIVE: _____

White - GMI Canary - Shipper Pink - GMI Gold - Transporter

GANDY•MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32067

LEASE OPERATOR/SHIPPER/COMPANY: Targa

LEASE NAME: D B Clean up #2

TRANSPORTER COMPANY: Gandy TIME: 9:30 AM/PM

DATE: 5-24-14 VEHICLE NO.: 517 DRIVER NO.:

CHARGE TO: Targa

TYPE OF MATERIAL

OCD

[ ] Other Material: [X] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LF :[ ] _____

AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY•MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: _____

FACILITY REPRESENTATIVE: _____

White - Gill Canary - Shipper Pink - Gill Gold - Transporter

GANDY•MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32068

LEASE OPERATOR/SHIPPER/COMPANY: Targa

LEASE NAME: DB Clean up #2

TRANSPORTER COMPANY: Gandy TIME: 10 (AM)/PM

DATE: 4-29-16 VEHICLE NO.: 516 DRIVER NO.:

CHARGE TO: Targa

TYPE OF MATERIAL

OCD

[ ] Other Material: [X] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LF :[ ] _____

AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY•MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: Robert Tiedra

FACILITY REPRESENTATIVE: Kyle

White - GMI Canary - Shipper Pink - OCD Gold - Transporter

GANDY•MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32069

LEASE OPERATOR/SHIPPER/COMPANY: Targa

LEASE NAME: D B Clean up #2

TRANSPORTER COMPANY: Gandy TIME: 10 (AM)/PM

DATE: 4-29-16 VEHICLE NO.: 333 DRIVER NO.:

CHARGE TO: Targa

TYPE OF MATERIAL

OCD

[ ] Other Material: [+] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# 2E : [ ] _____

AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY•MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: Margaret Ramos

FACILITY REPRESENTATIVE: _____

White - GMI Canary - Shipper Pink - GMI Gold - Transporter

GANDY•MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32070

LEASE OPERATOR/SHIPPER/COMPANY: TARGA

LEASE NAME: David Bizlbery Clean up #2

TRANSPORTER COMPANY: G-Andy TIME: 10 (AM)/PM

DATE: 4-29-16 VEHICLE NO.: 307 DRIVER NO.:

CHARGE TO: TARGA

TYPE OF MATERIAL

OCD

[ ] Other Material: [T] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LF : [ ] _____

AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY•MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: _____

FACILITY REPRESENTATIVE: _____

White - GMI Canary - Shipper Pink - GMI Gold - Transporter

GANDY-MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32073

LEASE OPERATOR/SHIPPER/COMPANY: Targa

LEASE NAME: DB Clean up #3

TRANSPORTER COMPANY: Gandy TIME: 1:20 AM/PM

DATE: 4-29-16 VEHICLE NO.: 333 DRIVER NO.:

CHARGE TO: Targa

TYPE OF MATERIAL

OCD

[ ] Other Material: [ ] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: C1

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# 15 : [ ] _____

AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY-MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: Margaret Lowery

FACILITY REPRESENTATIVE: Rick

White - GM Canary - Shipper Pink - GM Gold - Transporter

GANDY•MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32074

LEASE OPERATOR/SHIPPER/COMPANY: Targa

LEASE NAME: D-B Clean up # 2

TRANSPORTER COMPANY: Gandy TIME: 1:20 AM/PM

DATE: 4-29-16 VEHICLE NO.: 517 DRIVER NO.:

CHARGE TO: Targa

TYPE OF MATERIAL

OCD

[ ] Other Material: [ ] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LF : [ ] _____

AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY•MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: _____

FACILITY REPRESENTATIVE: _____

White - GM Canary - Shipper Pink - GM Gold - Transporter

GANDY•MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32075

LEASE OPERATOR/SHIPPER/COMPANY: TARGA

LEASE NAME: DAVID BIBBEY Clean Up #2

TRANSPORTER COMPANY: Gandy TIME: 1:35 AM/PM

DATE: 4-29-16 VEHICLE NO.: 327 DRIVER NO.:

CHARGE TO: TARGA

TYPE OF MATERIAL

OCD

[ ] Other Material: [X] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LE :[ ] _____

AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY-MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: _____

FACILITY REPRESENTATIVE: _____

White - GM Canary - Shipper Pink - GM Gold - Transporter

GANDY·MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32085

LEASE OPERATOR/SHIPPER/COMPANY: Targa

LEASE NAME: DTB Clean up #2

TRANSPORTER COMPANY: Gandy TIME: 4:15 AM/PM

DATE: 4-29-16 VEHICLE NO.: 333 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [4 Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: cl

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LF : [ ] _____

AS A CONDITION TO GANDY·MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY·MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY·MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: Maynard Bowy

FACILITY REPRESENTATIVE: JMC

White - GM Canary - Shipper Pink - GM Gold - Transporter

GANDY-MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32086

LEASE OPERATOR/SHIPPER/COMPANY: Jays

LEASE NAME: D.B. clean up. pit 2

TRANSPORTER COMPANY: Gandy TIME: 4:16 AM (PM)

DATE: 4-29-16 VEHICLE NO.: 517 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [ ] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: cal

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LF : [ ] _____

AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY-MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: _____

FACILITY REPRESENTATIVE: _____

White - GMI Canary - Shipper Pink - GMI Gold - Transporter

GANDY•MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32102

LEASE OPERATOR/SHIPPER/COMPANY: Targa

LEASE NAME: D. B. Cleon Exp. #2

TRANSPORTER COMPANY: Gandy TIME: 4:25 AM/PM

DATE: 1-29-16 VEHICLE NO.: 327 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [X] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# 16 : [ ] _____

AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY-MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: _____

FACILITY REPRESENTATIVE: _____

White - GM Canary - Shipper Pink - GM Gold - Transporter

GANDY•MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32103

LEASE OPERATOR/SHIPPER/COMPANY: Targa

LEASE NAME: J. B clean up #2

TRANSPORTER COMPANY: Gandy TIME: 16-26 AM PM

DATE: 4-29-16 VEHICLE NO.: 326 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [✓] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: cl

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LF : [ ] _____

AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, at seq., THE NM HEALTH AND SAF. CODE, §361.001, at seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY•MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: David M Lion

FACILITY REPRESENTATIVE: _____

White - GM Canary - Shipper Pink - GM Gold - Transporter

GANDY-MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32104

LEASE OPERATOR/SHIPPER/COMPANY: Targa

LEASE NAME: D. B. Clean Up #2

TRANSPORTER COMPANY: Gandy TIME: 11:40 AM (PM)

DATE: 4-29-16 VEHICLE NO.: 516 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [ ] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 ; CELL# LF : [ ]

AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY-MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: Robert Deiss

FACILITY REPRESENTATIVE: J. M. C.

White - GMI Canary - Shipper Pink - GMI Gold - Transporter

GANDY•MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32126

LEASE OPERATOR/SHIPPER/COMPANY: Targa

LEASE NAME: DO Clean up #2

TRANSPORTER COMPANY: Gandy TIME: 1:35 AM (PM)

DATE: 4-29-16 VEHICLE NO.: 326 DRIVER NO.:

CHARGE TO: Targa

TYPE OF MATERIAL

OCD

[ ] Other Material: [x] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# 1E : [ ] _____

AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY•MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: _____

FACILITY REPRESENTATIVE: _____

White - GMI Canary - Shipper Pink - GMI Gold - Transporter

GANDY-MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32127

LEASE OPERATOR/SHIPPER/COMPANY: Targa

LEASE NAME: DD Clean up # 2

TRANSPORTER COMPANY: Gandy TIME: 1:45 AM/PM

DATE: 4-29-16 VEHICLE NO.: 516 DRIVER NO.:

CHARGE TO: Targa

TYPE OF MATERIAL

OCD

[ ] Other Material: [x] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: Cl

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS _____: CELLS _____: [ ] _____

AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY-MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: Robert Leiba

FACILITY REPRESENTATIVE: [signature]

White - Gilt Canary - Shipper Pink - Gun Gold - Transporter

Gandy Marley, Inc.
P.O. Box 1658 Roswell, NM 88202
Phone 575-347-0434 Fax 575-347-0435

Targa Midstream Services
PO Box 1689
Lovington, NM 88260

5/10/2016

Detailed Report of material for Invoices 23913 thru 23913

EXEMPT OCD

Origin: DAVID BILBREY 2

Date:	Ticket No:	Description	Transporter:	Cat:	Units	Unit Type:
5/2/2016	32133		Gandy Inc.	LF	12	YARDS
5/2/2016	32134		Gandy Inc.	LF	12	YARDS
5/2/2016	32135		Gandy Inc.	LF	12	YARDS
5/2/2016	32136		Gandy Inc.	LF	12	YARDS
5/2/2016	32137		Gandy Inc.	LF	12	YARDS
5/2/2016	32138		Gandy Inc.	LF	12	YARDS
5/2/2016	32139		Gandy Inc.	LF	12	YARDS
5/2/2016	32140		Gandy Inc.	LF	12	YARDS
5/2/2016	32141		Gandy Inc.	LF	12	YARDS
5/2/2016	32142		Gandy Inc.	LF	12	YARDS
5/2/2016	32143		Gandy Inc.	LF	12	YARDS
5/2/2016	32144		Gandy Inc.	LF	12	YARDS
5/3/2016	32145		Gandy Inc.	LF	12	YARDS
5/3/2016	32146		Gandy Inc.	LF	12	YARDS
5/3/2016	32147		Gandy Inc.	LF	12	YARDS
5/3/2016	32149		Gandy Inc.	LF	12	YARDS
5/3/2016	32150		Gandy Inc.	LF	12	YARDS
5/3/2016	32151		Gandy Inc.	LF	12	YARDS
5/3/2016	32152		Gandy Inc.	LF	12	YARDS
5/3/2016	32153		Gandy Inc.	LF	12	YARDS
5/3/2016	32154		Gandy Inc.	LF	12	YARDS
5/3/2016	32155		Gandy Inc.	LF	12	YARDS
5/3/2016	32156		Gandy Inc.	LF	12	YARDS
5/3/2016	32157		Gandy Inc.	LF	12	YARDS
5/3/2016	32158		Gandy Inc.	LF	12	YARDS
5/3/2016	32159		Gandy Inc.	LF	12	YARDS
5/3/2016	32160		Gandy Inc.	LF	12	YARDS
5/4/2016	32161		Gandy Inc.	LF	12	YARDS
5/4/2016	32162		Gandy Inc.	LF	12	YARDS
5/4/2016	32163		Gandy Inc.	LF	12	YARDS

GM inc.

Gandy Marley, Inc.
P.O. Box 1658 Roswell, NM 88202
Phone 575-347-0434 Fax 575-347-0435

Targa Midstream Services
PO Box 1689
Lovington, NM 88260

5/10/2016

Detailed Report of material for Invoices 23913 thru 23913

5/4/2016	32164	Gandy Inc.	LF	12	YARDS
5/4/2016	32165	Gandy Inc.	LF	12	YARDS
5/4/2016	32166	Gandy Inc.	LF	12	YARDS
5/4/2016	32167	Gandy Inc.	LF	12	YARDS

DAVID BILBREY 2 Total YARDS. 408 YARDS

EXEMPT OCD Total YARDS. 408 YARDS

EXEMPT OCD Total Units. 408 Units

Targa Midstream Services Total Units. 408 Units

GANDY•MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32133

LEASE OPERATOR/SHIPPER/COMPANY: TARGA MIDSTREAM

LEASE NAME: DAVID BILBREY # 2

TRANSPORTER COMPANY: GANDY TIME: 9:03 AM PM

DATE: 05-02-16 VEHICLE NO.: 333 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [X] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# 6F : [ ] _____

AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY•MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: Margarito Rocha Jr

FACILITY REPRESENTATIVE: J Tolton

White - GMI Canary - Shipper Pink - GMI Gold - Transporter

GANDY-MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32134

LEASE OPERATOR/SHIPPER/COMPANY: TARGA MIDSTREAM

LEASE NAME: DAVID BILBREY # 2

TRANSPORTER COMPANY: GANDY TIME: 9:03 AM/PM

DATE: 05-02-16 VEHICLE NO.: 327 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [X] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# _____ : [ ] _____

AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY-MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: _____

FACILITY REPRESENTATIVE: J Tolton

White - GMI Canary - Shipper Pink - GMI Gold - Transporter

GANDY-MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32135

LEASE OPERATOR/SHIPPER/COMPANY: TARGA MIDSTREAM

LEASE NAME: DAVID BILBREY

TRANSPORTER COMPANY: SANDY TIME: 9:13 AM/PM

DATE: 05-02-16 VEHICLE NO.: 517 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [X] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 120 : CELL# LF : [ ] _____

AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY-MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: Jesus Hernandez

FACILITY REPRESENTATIVE: J. Tolton

White - GMI Canary - Shipper Pink - GMI Gold - Transporter

GANDY•MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32136

LEASE OPERATOR/SHIPPER/COMPANY: TARGA MIDSTREAM

LEASE NAME: DAVID Bilbrey #2

TRANSPORTER COMPANY: Gandy TIME: 9:27 (AM) PM

DATE: 05-02-16 VEHICLE NO.: 516 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [✓] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LF : [ ] _____

AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY•MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: Robert Leiba

FACILITY REPRESENTATIVE: J Foster

White - GMI Canary - Shipper Pink - GMI Gold - Transporter

GANDY-MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32137

LEASE OPERATOR/SHIPPER/COMPANY: TARGA MIDSTREAM

LEASE NAME: DAVID BILBREY #2

TRANSPORTER COMPANY: SANDY TIME: 1275 AM/PM

DATE: 05-02-16 VEHICLE NO.: 327 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [X] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LF : [ ] _____

AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY-MARLEY, INC.'S FACILITY FOR DISPOSAL.

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DRIVER: _____

FACILITY REPRESENTATIVE: J Tolton

White - GMI Canary - Shipper Pink - GMI Gold - Transporter

GANDY-MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32138

LEASE OPERATOR/SHIPPER/COMPANY: TARGA MIDSTREAM

LEASE NAME: DAVID BILBREY #2

TRANSPORTER COMPANY: GANDY TIME: 12:47 AM/PM

DATE: 05-02-16 VEHICLE NO.: 333 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [X] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# 4F : [ ] _____

AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY-MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: Marquis Rivers

FACILITY REPRESENTATIVE: J Tolton

White - GM Canary - Shipper Pink - GM Gold - Transporter

GANDY•MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32139

LEASE OPERATOR/SHIPPER/COMPANY: TARGA MIDSTREAM

LEASE NAME: DAVID BILBREY # 2

TRANSPORTER COMPANY: GANDY TIME: 12 PM AM/PM

DATE: 05-02-16 VEHICLE NO.: 517 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [✓] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LF :[ ] _____

AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY•MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: Dwayne Heaney

FACILITY REPRESENTATIVE: J Tolton

White - GMI Canary - Shipper Pink - GMI Gold - Transporter

GANDY•MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32140

LEASE OPERATOR/SHIPPER/COMPANY: TARGA MIDSTREAM

LEASE NAME: DAVID BILBREY # 2

TRANSPORTER COMPANY: GANDY TIME: 12:49 AM/PM

DATE: 05-02-16 VEHICLE NO.: 516 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [X] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# 4F : [ ] _____

AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY-MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: Robert Saiba

FACILITY REPRESENTATIVE: J. Tolton

White - GMI Canary - Shipper Pink - GMI Gold - Transporter

GANDY•MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32141

LEASE OPERATOR/SHIPPER/COMPANY: TARGA MIDSTREAM

LEASE NAME: DAVID BILBREY #2

TRANSPORTER COMPANY: SANDY TIME: 3:25 AM/(PM)

DATE: 05-02-16 VEHICLE NO.: 327 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [✓] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LF : [ ] _____

AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY-MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: _____

FACILITY REPRESENTATIVE: J Tolton

White - GM Canary - Shipper Pink - GM Gold - Transporter

GANDY•MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32142

LEASE OPERATOR/SHIPPER/COMPANY: TARGA MIDSTREAM

LEASE NAME: David Bibbey # 2

TRANSPORTER COMPANY: GANDY TIME: 3:41 AM/PM

DATE: 05-02-16 VEHICLE NO.: 333 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [✓] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LF : [ ] _____

AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY•MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: Roger T. Ramey

FACILITY REPRESENTATIVE: C Toelton

White - GM Canary - Shipper Pink - GM Gold - Transporter

GANDY·MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32143

LEASE OPERATOR/SHIPPER/COMPANY: TARGA MIDSTREAM

LEASE NAME: DAVID BILBREY #2

TRANSPORTER COMPANY: GANDY TIME: 3:43 AM/PM

DATE: 05-02-16 VEHICLE NO.: 517 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [✓] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LF : [ ] _____

AS A CONDITION TO GANDY·MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY·MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY·MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: George L Kennedy

FACILITY REPRESENTATIVE: J Tolton

White - GM Canary - Shipper Pink - GM Gold - Transporter

GANDY•MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32144

LEASE OPERATOR/SHIPPER/COMPANY: TARGA MIDSTREAM

LEASE NAME: DAVID BILBREY #2

TRANSPORTER COMPANY: GANDY TIME: 3:45 AM (PM)

DATE: 05-02-16 VEHICLE NO.: 516 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [X] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LF : [ ] _____

AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY•MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: Roberto Leiba

FACILITY REPRESENTATIVE: J. Tolton

White - GMI Canary - Shipper Pink - GMI Gold - Transporter

GANDY-MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32145

LEASE OPERATOR/SHIPPER/COMPANY: TARGA MIDSTREAM

LEASE NAME: DAVID BILBREY #2

TRANSPORTER COMPANY: GANDY TIME: 9:19 (AM)/PM

DATE: 05-03-16 VEHICLE NO.: 333 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

( ) Other Material: [X] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LF : [ ] _____

AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY-MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: [signature]

FACILITY REPRESENTATIVE: J Tolton

White - GMI Canary - Shipper Pink - GMI Gold - Transporter

GANDY•MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32146

LEASE OPERATOR/SHIPPER/COMPANY: TARGA MIDSTREAM

LEASE NAME: DAVID BILBREY

TRANSPORTER COMPANY: SANDY TIME: 9:23 (AM)/PM

DATE: 05-03-16 VEHICLE NO.: 516 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [✓] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LF : [ ] _____

AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY•MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: Robert Leiba

FACILITY REPRESENTATIVE: J Tolton

White - GMI Canary - Shipper Pink - GMI Gold - Transporter

GANDY•MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32147

LEASE OPERATOR/SHIPPER/COMPANY: TARGA MIDSTREAM

LEASE NAME: DAVID BILBREY #2

TRANSPORTER COMPANY: GANDY TIME: 9:31 (AM)/PM

DATE: 05-03-16 VEHICLE NO.: 326 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [X] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LF :[ ] _____

AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY-MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: David Mason

FACILITY REPRESENTATIVE: J Foton

White - GMI Canary - Shipper Pink - GMI Gold - Transporter

GANDY-MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32149

LEASE OPERATOR/SHIPPER/COMPANY: TARGA MIDSTREAM

LEASE NAME: DAVID Bilbrey #2

TRANSPORTER COMPANY: SANDY TIME: 9:33 (AM)/PM

DATE: 05-03-16 VEHICLE NO.: 327 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [X] Contaminated soil [ ] C-117 No.: 250 379

[ ] BS&W content:

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LF : [ ]

AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY-MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER:

FACILITY REPRESENTATIVE: Toeton

White - GMI Canary - Shipper Pink - GMI Gold - Transporter

GANDY•MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32150

LEASE OPERATOR/SHIPPER/COMPANY: TARGA MIDSTREAM

LEASE NAME: DAVID BILBREY #2

TRANSPORTER COMPANY: GANDY TIME 735 (AM)/PM

DATE: 05-03-16 VEHICLE NO.: 517 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [X] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LF : [ ] _____

AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY-MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: [signature]

FACILITY REPRESENTATIVE: J Toelton

White - GMI Canary - Shipper Pink - GMI Gold - Transporter

GANDY•MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32151

LEASE OPERATOR/SHIPPER/COMPANY: TARGA MIDSTREAM

LEASE NAME: DAVID BILBREY #2

TRANSPORTER COMPANY: GANDY TIME: 12 57 AM/PM

DATE: 05-03-16 VEHICLE NO.: 517 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [✓] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LF : [ ] _____

AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY•MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: David L Hendrix

FACILITY REPRESENTATIVE: J Tolton

White - GMI Canary - Shipper Pink - GMI Gold - Transporter

GANDY•MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32152

LEASE OPERATOR/SHIPPER/COMPANY: TARGA MIDSTREAM

LEASE NAME: DAVID BIBBEY #2

TRANSPORTER COMPANY: GANDY TIME: 1:01 AM/PM

DATE: 05-03-16 VEHICLE NO.: 333 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [X] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LF : [ ] _____

AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY•MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: Magnolia Nunez

FACILITY REPRESENTATIVE: J Tolton

White - GMD Canary - Shipper Pink - GMI Gold - Transporter

GANDY•MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32153

LEASE OPERATOR/SHIPPER/COMPANY: TARGA MIDSTREAM

LEASE NAME: DAVID BILBREY #2

TRANSPORTER COMPANY: GANDY TIME: 1:01 AM/PM

DATE: 05-03-16 VEHICLE NO.: 327 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [X] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LF :[ ] _____

AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY•MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: _____

FACILITY REPRESENTATIVE: J. Tolton

White - GMI Canary - Shipper Pink - GMI Gold - Transporter

GANDY-MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32154

LEASE OPERATOR/SHIPPER/COMPANY: TARGA MIDSTREAM

LEASE NAME: DAVID BILBREY # 2

TRANSPORTER COMPANY: SANDY TIME: 1:01 AM/PM

DATE: 05-03-16 VEHICLE NO.: 516 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [X] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELLS LF : [ ] _____

AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY-MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: Robert Deiss

FACILITY REPRESENTATIVE: _____ J Tolton

White - GMI Canary - Shipper Pink - GMI Gold - Transporter

GANDY•MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32155

LEASE OPERATOR/SHIPPER/COMPANY: TARGA MIDSTREAM

LEASE NAME: DAVID BILBREY #2

TRANSPORTER COMPANY: GANDY TIME: 1:23 AM (PM)

DATE: 05-03-16 VEHICLE NO.: 326 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [✓] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LF : [ ] _____

AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY•MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: DM Guion

FACILITY REPRESENTATIVE: J. Tolton

White - GM Canary - Shipper Pink - GM Gold - Transporter

GANDY•MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32156

LEASE OPERATOR/SHIPPER/COMPANY: TARGA MIDSTREAM

LEASE NAME: DAVID BILBREY #2

TRANSPORTER COMPANY: GANDY TIME: 3:47 AM (PM)

DATE: 05-03-16 VEHICLE NO.: 327 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [X] Contaminated soil [ ] C-117 No.: 256 379

[ ] BS&W content:

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# 4F : [ ]

AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY•MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: [signature]

FACILITY REPRESENTATIVE: J Tolton

White - Gill Canary - Shipper Pink - Gill Gold - Transporter

GANDY·MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32157

LEASE OPERATOR/SHIPPER/COMPANY: TARGA MIDSTREAM

LEASE NAME: DAVID BILBREY #2

TRANSPORTER COMPANY: SANDY TIME: 3:57 AM (PM)

DATE: 05-03-16 VEHICLE NO.: 517 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [✓] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LF : [ ] _____

AS A CONDITION TO GANDY·MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §381.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY·MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY·MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: George L Hernandez

FACILITY REPRESENTATIVE: J Tolton

White - GM Canary - Shipper Pink - GM Gold - Transporter

GANDY-MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32158

LEASE OPERATOR/SHIPPER/COMPANY: TARGA MIDSTREAM

LEASE NAME: DAVID BILBREY # 2

TRANSPORTER COMPANY: GANDY TIME: 4:01 AM/PM

DATE: 05-03-16 VEHICLE NO.: 333 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [X] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LF : [ ] _____

AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY-MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: [signature]

FACILITY REPRESENTATIVE: _____ J Tolton

White - GM Canary - Shipper Pink - GM Gold - Transporter

GANDY-MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32159

LEASE OPERATOR/SHIPPER/COMPANY: TARGA MIDSTREAM

LEASE NAME: David Bilbrey #2

TRANSPORTER COMPANY: Gandy TIME: 4:07 AM (PM)

DATE: 05-03-16 VEHICLE NO.: 516 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [X] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LF : [ ] _____

AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY-MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: Robert Leiba

FACILITY REPRESENTATIVE: J Tolton

White - GMI Canary - Shipper Pink - GMI Gold - Transporter

GANDY•MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32160

LEASE OPERATOR/SHIPPER/COMPANY: TARGA MIDSTREAM

LEASE NAME: DAVID BILBREY #2

TRANSPORTER COMPANY: GANDY TIME: 4:15 AM (PM)

DATE: 05-03-16 VEHICLE NO.: 326 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [X] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LF :[ ] _____

AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY•MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: D Mejia

FACILITY REPRESENTATIVE: J Toeton

White - GMI Canary - Shipper Pink - GMI Gold - Transporter

GANDY·MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32161

LEASE OPERATOR/SHIPPER/COMPANY: TARGA MIDSTREAM

LEASE NAME: DAVID BILBREY #2

TRANSPORTER COMPANY: SANDY TIME: 9:11 (AM)/PM

DATE: 05-04-16 VEHICLE NO.: 326 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [✓] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LF :[ ] _____

AS A CONDITION TO GANDY·MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY·MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY·MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: D Mylton

FACILITY REPRESENTATIVE: J Tolton

White - GMI Canary - Shipper Pink - GMI Gold - Transporter

GANDY•MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32162

LEASE OPERATOR/SHIPPER/COMPANY: TARGA MIDSTREAM

LEASE NAME: DAVID BILBREY # 2

TRANSPORTER COMPANY: GANDY TIME: 9:13 AM PM

DATE: 05-04-16 VEHICLE NO.: 327 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [✓] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LF : [ ] _____

AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY•MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: _____

FACILITY REPRESENTATIVE: J Tolton

White - GMI Canary - Shipper Pink - GMI Gold - Transporter

GANDY-MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32163

LEASE OPERATOR/SHIPPER/COMPANY: TARGA MIDSTREAM

LEASE NAME: DAVID BILDREY #2

TRANSPORTER COMPANY: SANDY TIME: 9:29 AM PM

DATE: 05-04-16 VEHICLE NO.: 517 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [X] Contaminated soil [ ] C-117 No.: _____
[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LF :[ ] _____

AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY-MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: Dwight Hernandez

FACILITY REPRESENTATIVE: R Tolton

White - GMI Canary - Shipper Pink - GMI Gold - Transporter

GANDY•MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32164

LEASE OPERATOR/SHIPPER/COMPANY: TARGA MIDSTREAM

LEASE NAME: DAVID BILBREY #2

TRANSPORTER COMPANY: SANDY TIME: 9:29 (AM)/PM

DATE: 05-04-16 VEHICLE NO.: 516 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [X] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LF : [ ] _____

AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §301.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY•MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: Robert Leiba

FACILITY REPRESENTATIVE: J Toeton

White - GM Canary - Shipper Pink - GM Gold - Transporter

GANDY-MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32165

LEASE OPERATOR/SHIPPER/COMPANY: TARGA MIDSTREAM

LEASE NAME: DAVID BILBREY #2

TRANSPORTER COMPANY: GANDY TIME: 12:09 AM/PM

DATE: 05-04-16 VEHICLE NO.: 327 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [✓] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LF : [ ] _____

AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY-MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: _____

FACILITY REPRESENTATIVE: J Tolton

White - GMI Canary - Shipper Pink - GMI Gold - Transporter

GANDY·MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32166

LEASE OPERATOR/SHIPPER/COMPANY: TARGA MIDSTREAM

LEASE NAME: DAVID BILBREY #2

TRANSPORTER COMPANY: GANDY TIME: 12:23 AM/PM

DATE: 05-04-16 VEHICLE NO.: 516 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [✓] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LF :[ ] _____

AS A CONDITION TO GANDY·MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: Robert Heiss

FACILITY REPRESENTATIVE: J Tolton

White - GM Canary - Shipper Pink - GM Gold - Transporter

GANDY•MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 32167

LEASE OPERATOR/SHIPPER/COMPANY: TARGA MIDSTREAM

LEASE NAME: David Bilbrey #2

TRANSPORTER COMPANY: SANDY TIME: 12:31 AM (PM)

DATE: 05-04-16 VEHICLE NO.: 517 DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

[ ] Other Material: [✓] Contaminated soil [ ] C-117 No.: _____

[ ] BS&W content: _____

Description: CL

COMPANY CONTACT:

VOLUME OF MATERIAL [ ]: YARDS 12 : CELL# LF : [ ] _____

AS A CONDITION TO GANDY•MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: [signature]

FACILITY REPRESENTATIVE: [signature]

White - GMI Canary - Shipper Pink - GMI Gold - Transporter

APPENDIX E

Initial and Final C-141

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

State of New Mexic
Energy Minerals and Natural I

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

RECEIVED
By JKeyes at 10:56 am, Aug 29, 2016

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Targa Midstream Services	Contact Ralph England
Address P.O. Box 1689, Lovington, NM 88260	Telephone No. 575-441-4653
Facility Name David Bilbrey 8" Pipeline - Site #3	Facility Type Natural Gas Pipeline

Surface Owner	Mineral Owner	API No.
David Bilbrey		

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	18	9S	38E	2505	N	1523	W	Lea

Latitude 33°32'4.71"N **Longitude** 103° 5'32.62"W

NATURE OF RELEASE

Type of Release Natural Gas Condensate	Volume of Release 5-10 bbls	Volume Recovered 0
Source of Release 8 inch steel pipeline	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 12/2015
Was Immediate Notice Given? ☐ Yes ☒ No ☐ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*
The release was caused by corrosion of an 8" steel line transporting natural gas. Release area was sampled on March 9, 2015 by Larson & Associates, Inc. Borings were drilled to about 25 feet bgs to delineate horizontal and vertical impacts. Soil samples were collected every 5 feet. Lab results indicated impact to about 10 feet bgs. Soil was excavated to about 13 feet bgs.

Describe Area Affected and Cleanup Action Taken.*
Impacted soil was excavated to approximately 13 feet bgs and disposed at Gandy Marley Landfill (NM-711-1-0019). Please see attached lab results from samples collected on March 16 and 24, 2016 and samples location map (Figure 3).

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

Signature:

Printed Name: Cal Wrangham

Title: EHS Manager

E-mail Address: CalvinWrangham@targaresources.com

Date: 08/19/2016 Phone: 432-688-0542

OIL CONSERVATION DIVISION

Approved by Environmental Specialist:

Approval Date: 08/29/2016 Expiration Date: 10/29/2016

Conditions of Approval:
Discrete samples only. Delineate and remediate per NMOCD guidelines.

Attached ☐
1RP 4420

* Attach Additional Sheets If Necessary

nJXK1624239277
pJXK1624239360

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Targa Midstream Services, LLC.	Contact Ralph England
Address P.O. Box 1689, Lovington, NM 88260	Telephone No. 575-441-4653
Facility Name David Bilbrey 8" Pipeline – Site #3	Facility Type Natural Gas Pipeline

Surface Owner David Bilbrey	Mineral Owner	API No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	18	9S	38E	2505	N	1523	W	Lea

Latitude 33°32'4.71" N **Longitude** 103°5'32.62" W

NATURE OF RELEASE

Type of Release Natural Gas Condensate	Volume of Release 5-10 bbls	Volume Recovered 0
Source of Release 8 inch steel pipeline	Date and Hour of Occurrence Unkown	Date and Hour of Discovery 12/2015
Was Immediate Notice Given? ☐ Yes ☒ No ☐ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*
N/A

APPROVED
By Olivia Yu at 3:25 pm, Jun 01, 2017

Describe Cause of Problem and Remedial Action Taken.*
The release was caused by corrosion of an 8" steel line transporting natural gas. Release area was sampled on March 9, 2015 by Larson & Associates, Inc. Borings were drilled to about 25 feet bgs to delineate horizontal and vertical impacts. Soil samples were collected every 5 feet. Lab results indicated impact to about 10 feet bgs. Soil was excavated to about 13 feet bgs.

Describe Area Affected and Cleanup Action Taken.*
Impacted soil was excavated to approximately 13 feet bgs and disposed at Gandy Marley Landfill (NM-711-1-0019). Discrete samples were collected from excavation bottom and sidewalls and were below RRAL for TPH. Chloride delineated to 250 mg/Kg in boring samples. Composite soil samples were collected from soil piles and analyzed for TPH and chloride, which was below the RRAL. Clean soil piles and additional soil from landowner was used to fill the excavation. Targa personnel seeded the site based off the landowner's recommendations.

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

Signature:	OIL CONSERVATION DIVISION
Printed Name: Cal Wrangham	Approved by Environmental Specialist:
Title: EHS Manager	Approval Date: 6/1/2017 Expiration Date: xx/xx/xxxx
E-mail Address: CalvinWrangham@targaresources.com	Conditions of Approval: Attached ☐
Date: 9/8/2016 Phone: 432-688-0542	

* Attach Additional Sheets If Necessary

1RP-4420