

Creating Solutions, Building Trust.

September 6, 2018

New Mexico EMNRD District I 1625 North French Drive Hobbs, New Mexico 88240

Attn: Ms. Olivia Yu



Job No. 18-07-101-13107

NMOCD grants closure to 1RP-5144.

Re: Final C-141 Report, Estimated 100-Barrel Crude Oil Spill, Pilot Crude Hauling, NM 21/Delaware Basin Road, Jal, New Mexico 88252

Broadbent & Associates, Inc. (Broadbent) is pleased to present this Final C-141 Report for the estimated 100barrel surface spill of crude oil on NM 21/Delaware Basin Road, Jal, New Mexico 88252 (Site). The New Mexico Energy, Minerals, and Natural Resources Division (EMNRD) C-141 form is attached. The Site is depicted in Drawing 1, attached.

On July 16, 2018, approximately 100 barrels of crude oil was spilled onto the highway's asphalt surface and the adjacent soil surface due to a vehicle accident, which caused the truck to catch fire. The incident was reported to the Oil Conservation Division (OCD) on July 16, 2018 and remediation case number 1RP-5144 was assigned to the spill.

Emergency Environmental Services (EES) responded on July 16, 2018 through August 9, 2018 to abate the spill. Broadbent personnel mobilized to the Site to observe and document abatement activities, and collect confirmation soil samples. A sample location map is depicted as Drawing 2, attached. The New Mexico one-call, NM811, was notified of proposed excavation activities. Additionally, a private line locator service was dispatched to clear the impacted area for underground utilities and impediments. Photographic documentation of Site conditions and abatement activities are attached as Appendix A.

Once the one-call clearance was completed, two backhoes were utilized to excavate the impacted area. Soil from the excavated area was evaluated using visual and olfactory screening techniques, as well as a photoionization detector. The excavated soil was stockpiled onsite and subsequently transported to an appropriate disposal facility utilizing dump trailers.

15 confirmation and one background soil samples were collected in laboratory provided EPA Method 5035 methanol preservation sampling kits. Samples were submitted chilled, under chain-of-custody procedures, to SGS-Accutest Laboratories in Houston, Texas for analyses. The soil samples were analyzed for Benzene, Ethylbenzene, Toluene, Xylenes (BTEX), and methyl-tert-butyl-ether (MTBE) by EPA Method 8260C, Total Petroleum Hydrocarbons (TPH) by EPA Method TX 1005 and Chlorides by EPA Method 300.0. Soil analytical data is summarized in Table 1, attached.

BTEX constituents were detected at concentrations in exceedance of their respective laboratory method detection limits (MDLs), but below the New Mexico OCD remediation level for total BTEX, 50 mg/kg, in confirmation soil samples 1@5' and 11@8'. TPH constituents were detected at concentrations in exceedance of their respective MDLs, but below New Mexico OCD remediation level for total TPH, 100 mg/kg, in confirmation soil samples 1@5', 13@4', 14@4', 15@2.5' and 16@1'. Chloride was detected at concentrations in exceedance of its MDL, but below its New Mexico OCD remediation level of 600 mg/kg in soil samples 1@5', 2@5.5.', 3@5.5', 9@5', 12@4', 13@4', 14@4', 15@2.5' and 16@1'. A copy of the laboratory analytical results with chain-

of-custody is attached as Appendix B.

1,224 tons of impacted soil was transported for disposal to the Lea Land Landfill east of Carlsbad, NM between July 18, 2016 and August 6, 2018. Copies of the waste disposal documentation are attached as Appendix C.

Based on the abatement conducted, Broadbent, on behalf of Pilot Crude Hauling, requests that remediation case #1RP-5144 be granted no further action status at this time. If you have any questions or require additional information, please do not hesitate to contact Broadbent at (830) 816-5434.

Sincerely, BROADBENT & ASSOCIATES, INC.

Sling

Nathan Dunn Project Geologist

Attachments: New Mexico EMNRD C-141 Form Table 1 — Soil Analytical Summary Drawing 1 — Site Location Map Drawing 2 — Soil Sample Location Map Appendix A — Photographic Documentation Appendix B — Laboratory Analytical Results Appendix C — Waste Disposal Documentation Form C-141 Revised April 3, 2017

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

1220 S. St. Fran	cis Dr., Sant	a Fe, NM 87505	5	Sa	nta Fe	, NM 875	05					
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		Pilot Crude H				Contact: David Dippel						
		Drive Knoxy	ville, TN	37909			lo.: (865) 474-2	2725				
Facility Nar	ne: N/A				F	Facility Type	e: N/A					
Surface Ow	ner: Made	era Ranch		Mineral O	wner: 1	N/A			API No.	: N/A		
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Printed Name	e: Nathan L	unn					10/0/004	<u> </u>			vhoo	V
Title: Project	Geologist				A	Approval Dat	_{e:} 10/2/201	ŏ	Expiration I	Date: XX/X	x/xxx	X
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										Attached		
Date: 8/24/18	5		1	Phone: (830) 816-5	434							

* Attach Additional Sheets If Necessary

1RP-5144

Drawings



SITE LOCATION MAP DRAWING NO. 1 100-BARREL CRUDE OIL SPILL NM 21/ DELAWARE BASIN RD JAL, NM 88252

PROJECT NO. 18-07-101-13107

Prepared by: <u>CL</u> Appoved by: <u>ND</u> Date: <u>08/28/18</u>





SOIL SAMPLE LOCATION MAP DRAWING NO. 2

100-BARREL CRUDE OIL SPILL NM 21/ DELAWARE BASIN RD JAL, NM 88252

PROJECT NO. 18-07-101-13107

Prepared by: <u>CL</u> Appoved by: <u>ND</u> Date: <u>08/28/18</u>

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Table

TABLE 1 SOIL ANALYTICAL SUMMARY 100-Barrel Crude Oil Spill NM 21/ Delaware Basin Rd, Jal, NM 88252 Job # 18-07-101-13107

						-07-101-13107 ' MTBE/ Chloric	e/ TPH				
					DIEN	(mg/kg)	,				
Soil Sample ID and Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	Chloride	TPH-GRO (C ₆ -C ₁₂)	ТРН-DRO (С ₁₂ -С ₂₈)	ТРН-ОКО (С ₂₈ -С ₃₅)	Тоtal ТРН (С ₆ -С ₃₅)
NM OCD Remediation Levels	10	No Remediation Level	No Remediation Level	No Remediation Level	50	No Remediation Level	600	No Remediation Level	No Remediation Level	No Remediation Level	100
1@5'											
7/31/2018	<0.0016	<0.0016	<0.0017	0.0017	0.0017	<0.0013	7.8	<3.0	1.00	<0.55	1
2@5.5'											
7/31/2018	<0.0019	<0.0020	<0.0021	<0.0020	<0.0079	<0.0016	26.7	5.51	1.53	<0.65	7.04
3@5.5'											
7/31/2018	<0.0032	<0.0032	<0.0032	<0.0032	<0.0128	<0.00087	12.3	<3.7	2.71	0.845	3.555
4@5.5'											
7/31/2018	<0.0012	<0.0012	<0.0013	<0.0012	<0.0049	<0.00099	<5.3	<2.8	1.41	0.542	1.952
5@5'											
7/31/2018	<0.00089	<0.00091	<0.00097	<0.00093	<0.00370	<0.00076	<5.4	4.33	0.744	<0.56	5.074
6@5'											
7/31/2018	<0.00084	<0.00086	<0.00091	<0.00087	<0.00348	<0.00071	<5.3	2.75	1.58	<0.55	4.33
7@5.5'											
7/31/2018	<0.0018	<0.0019	<0.0020	<0.0019	<0.0076	<0.0016	<5.2	<2.7	1.28	<0.846	1.28
8@5'											
7/31/2018	<0.0013	<0.0013	<0.0014	<0.0014	<0.0054	<0.0011	<5.2	<2.7	0.629	<0.55	0.629
9@5'											
7/31/2018	<0.0014	<0.0015	<0.0016	<0.0015	<0.0060	<0.0012	9.0	<3.1	0.679	<0.57	0.679
10@5.5'											
7/31/2018	<0.0016	<0.0016	<0.0017	<0.0016	<0.0065	<0.0013	<5.3	3.73	1.64	0.838	6.208
11@8'											
7/31/2018	0.0170	0.0251	0.0060	0.0247	0.0728	<0.0012	<5.6	3.70	1.75	0.799	6.249
12@4'	_	-									
7/31/2018	<0.0021	<0.0021	<0.0023	<0.0022	<0.0087	<0.0018	19.7	<3.5	3.15	0.809	3.959

TABLE 1

SOIL ANALYTICAL SUMMARY 100-Barrel Crude Oil Spill NM 21/ Delaware Basin Rd, Jal, NM 88252 Job # 18-07-101-13107

					BTEX/	MTBE/ Chloric	le/ TPH								
		(mg/kg)													
Soil Sample ID and Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	Chloride	TPH-GRO (C ₆ -C ₁₂)	ТРН-DRO (С ₁₂ -С ₂₈)	ТРН-О RO (С ₂₈ -С ₃₅)	Total TPH (C ₆ -C ₃₅)				
NM OCD Remediation Levels	10	No Remediation Level	No Remediation Level	No Remediation Level	50	No Remediation Level	600	No Remediation Level	No Remediation Level	No Remediation Level	100				
13@4'															
8/1/2018	<0.0016	<0.0017	<0.0018	<0.0017	<0.0068	<0.0014	15.1	5.01	1.39	0.862	7.262				
14@4'															
8/1/2018	<0.0017	<0.0017	<0.0018	<0.0017	<0.0069	<0.0014	18.4	<3.9	1.32	<0.68	1.32				
15@2.5'															
8/1/2018	<0.0023	<0.0024	<0.0025	<0.0024	<0.0096	<0.0020	19.7	<4.3	1.02	<0.69	1.02				
16@1'															
8/1/2018	<0.0016	<0.0017	<0.0018	<0.0017	<0.0068	<0.0014	16.3	<3.6	1.70	1.29	2.99				

Notes:

BTEX- Benzene, Toluene, Ethylbenzene, and Xylenes

MTBE- methyl tert-butyl ether

TPH- Total Petroleum Hydrocarbons

GRO- Gas Range Organics

DRO-Diesel Range Organics

ORO- Oil Range Organics

NM OCD- New Mexico Oil Conservation Division

BOLD indicates value above NM OCD program action level

Appendix A

Photographic Documentation



Photograph 1: View facing south, initial spill area on shoulder of southbound lane



Photograph 2: View facing south, initial spill area on shoulder of northbound lane



Photograph 3: View facing northeast, excavation activities begin on shoulder of southbound lane



Photograph 4: View facing south, excavated soil being loaded for disposal



Photograph 5: View facing north, excavation activities on shoulder of southbound lane continued



Photograph 6: View facing south, excavation activities on shoulder of southbound lane completed



Photograph 7: View facing southeast, excavation activities on shoulder of northbound lane



Photograph 8: View facing south, excavation activities completed



Photograph 9: View facing north, backfilling activities



Photograph 10: View facing southwest, backfilling activities continued



Photograph 11: View facing south, private property fence re-installed on shoulder of southbound lane



Photograph 12: View facing south, private property fence re-installed on shoulder of northbound lane

Appendix B

Laboratory Analytical Results



Houston, TX

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0 Automated Report

08/03/18

Technical Report for

Pilot Travel Centers LLC

BROADTXB: Pilot Crude Hauling/Spill Jal, NM/ 18-07-101-13107

SGS Job Number: TD24938



Sampling Date: 07/31/18

Report to:

Broadbent & Associates 113 Falls Court Suite 700 Boerne, TX 78006 chaugstad@broadbentinc.com; zgraves@broadbentinc.com; ndunn@broadbentinc.com; asilvas@broadbentinc.com; ATTN: Chris Haugstad

Total number of pages in report: 84





Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Client Service contact: Sylvia Garza 713-271-4700

Certifications: TX (T104704220-18-30) AR (14-016-0) AZ (AZ0769) FL (E87628) KS (E-10366) LA (85695/04004) NJ (TX010) OK (2017-002) VA (8999)

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SGS North America Inc. • 10165 Harwin Drive • Suite 150 • Houston, TX 77036 • tel: 713-271-4700 • fax: 713-271-4770

Please share your ideas about how we can serve you better at: EHS.US.CustomerCare@sgs.com



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Sample Summary

Pilot Travel Centers LLC

Job No: TD24938

BROADTXB: Pilot Crude Hauling/Spill Jal, NM/ 18-07-101-13107

Sample Number	Collected Date		Received	Matri Code		Client Sample ID
TD24938-1	07/31/18	08:49	08/01/18	SO	Soil	1 @ 5'
TD24938-1A	07/31/18	08:49	08/01/18	SO	Soil	1 @ 5'
TD24938-2	07/31/18	09:05	08/01/18	SO	Soil	2 @ 5.5'
TD24938-2A	07/31/18	09:05	08/01/18	SO	Soil	2 @ 5.5'
TD24938-3	07/31/18	09:20	08/01/18	SO	Soil	3 @ 5.5'
TD24938-3A	07/31/18	09:20	08/01/18	SO	Soil	3 @ 5.5'
TD24938-4	07/31/18	09:29	08/01/18	SO	Soil	4 @ 5.5'
TD24938-4A	07/31/18	09:29	08/01/18	SO	Soil	4 @ 5.5'
TD24938-5	07/31/18	09:40	08/01/18	SO	Soil	5 @ 5'
TD24938-5A	07/31/18	09:40	08/01/18	SO	Soil	5 @ 5'
TD24938-6	07/31/18	10:10	08/01/18	SO	Soil	6 @ 5'
TD24938-6A	07/31/18	10:10	08/01/18	SO	Soil	6 @ 5'
TD24938-7	07/31/18	10:22	08/01/18	SO	Soil	7 @ 5.5'

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary (continued)

Pilot Travel Centers LLC

Job No: TD24938

BROADTXB: Pilot Crude Hauling/Spill Jal, NM/ 18-07-101-13107

Sample Number	Collected Date	Time By	Received	Matri Code		Client Sample ID
TD24938-7A	07/31/18	10:22	08/01/18	SO	Soil	7 @ 5.5'
TD24938-8	07/31/18	10:45	08/01/18	SO	Soil	8 @ 5'
TD24938-8A	07/31/18	10:45	08/01/18	SO	Soil	8 @ 5'
TD24938-9	07/31/18	11:00	08/01/18	SO	Soil	9 @ 5'
TD24938-9A	07/31/18	11:00	08/01/18	SO	Soil	9 @ 5'
TD24938-10	07/31/18	11:20	08/01/18	SO	Soil	10 @ 5.5'
TD24938-10A	07/31/18	11:20	08/01/18	SO	Soil	10 @ 5.5'
TD24938-11	07/31/18	11:40	08/01/18	SO	Soil	11 @ 8'
TD24938-11A	07/31/18	11:40	08/01/18	SO	Soil	11 @ 8'
TD24938-12	07/31/18	12:00	08/01/18	SO	Soil	12 @ 4'
TD24938-12A	07/31/18	12:00	08/01/18	SO	Soil	12 @ 4'
TD24938-13	07/31/18	00:00	08/01/18	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

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Summary of Hits

Job Number:	TD24938
Account:	Pilot Travel Centers LLC
Project:	BROADTXB: Pilot Crude Hauling/Spill Jal, NM/ 18-07-101-13107
Collected:	07/31/18

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
TD24938-1	1 @ 5'					
Xylene (total) Chloride		0.0017 J 7.8	0.0049 5.3	0.0016	mg/kg mg/kg	SW846 8260C EPA 300.0
TD24938-1A	1 @ 5'					
TPH-DRO (C10-	-C28) ^a	1.00 J	5.3	0.46	mg/kg	SW846 8015C
TD24938-2	2 @ 5.5'					
Chloride		26.7	6.3		mg/kg	EPA 300.0
TD24938-2A	2 @ 5.5'					
TPH-GRO (C6-C TPH-DRO (C10-		5.51 J 1.53 J	8.2 6.3	4.0 0.54	mg/kg mg/kg	SW846 8015C SW846 8015C
TD24938-3	3 @ 5.5'					
Chloride		12.3	6.1		mg/kg	EPA 300.0
TD24938-3A	3 @ 5.5'					
TPH-DRO (C10- TPH-ORO (C28-		2.71 J 0.845 J	6.0 6.0	0.52 0.63	mg/kg mg/kg	SW846 8015C SW846 8015C
TD24938-4	4 @ 5.5'					
No hits reported	in this sample.					
TD24938-4A	4 @ 5.5'					
TPH-DRO (C10- TPH-ORO (C28-		1.41 J 0.542 J	5.2 5.2	0.45 0.54	mg/kg mg/kg	SW846 8015C SW846 8015C
TD24938-5	5 @ 5'					
No hits reported	in this sample.					
TD24938-5A	5 @ 5'					
TPH-GRO (C6-C TPH-DRO (C10-		4.33 J 0.744 J	6.1 5.4	3.0 0.46	mg/kg mg/kg	SW846 8015C SW846 8015C



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TD24938

Summary of Hits

Job Number:	TD24938
Account:	Pilot Travel Centers LLC
Project:	BROADTXB: Pilot Crude Hauling/Spill Jal, NM/ 18-07-101-13107
Collected:	07/31/18

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
TD24938-6	6 @ 5'					
No hits reported	in this sample.					
TD24938-6A	6 @ 5'					
TPH-GRO (C6-C TPH-DRO (C10-		2.75 J 1.58 J	5.5 5.3	2.7 0.46	mg/kg mg/kg	SW846 8015C SW846 8015C
TD24938-7	7 @ 5.5'					
No hits reported	in this sample.					
TD24938-7A	7 @ 5.5'					
TPH-DRO (C10- TPH-ORO (C28-		1.28 J 0.846 J	5.3 5.3	0.45 0.55	mg/kg mg/kg	SW846 8015C SW846 8015C
TD24938-8	8 @ 5'					
No hits reported	in this sample.					
TD24938-8A	8 @ 5'					
TPH-DRO (C10-	-C28) ^a	0.629 J	5.3	0.45	mg/kg	SW846 8015C
TD24938-9	9 @ 5'					
Chloride		9.0	5.4		mg/kg	EPA 300.0
TD24938-9A	9 @ 5'					
TPH-DRO (C10-	-C28) ^a	0.679 J	5.5	0.47	mg/kg	SW846 8015C
TD24938-10	10 @ 5.5'					
No hits reported	in this sample.					
TD24938-10A	10 @ 5.5'					
TPH-GRO (C6-0 TPH-DRO (C10 TPH-ORO (C28	-C28) a	3.73 J 1.64 J 0.838 J	6.1 5.3 5.3	3.0 0.46 0.55	mg/kg mg/kg mg/kg	SW846 8015C SW846 8015C SW846 8015C





Summary of Hits

Job Number:	TD24938
Account:	Pilot Travel Centers LLC
Project:	BROADTXB: Pilot Crude Hauling/Spill Jal, NM/ 18-07-101-13107
Collected:	07/31/18

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
TD24938-11	11 @ 8'					
Benzene Toluene Ethylbenzene Xylene (total)		0.0170 0.0251 0.0060 0.0247	0.0044 0.0044 0.0044 0.0044	0.0014 0.0014 0.0015 0.0015	mg/kg mg/kg mg/kg mg/kg	SW846 8260C SW846 8260C SW846 8260C SW846 8260C SW846 8260C
TD24938-11A	11 @ 8'					
TPH-GRO (C6-C TPH-DRO (C10- TPH-ORO (C28-	-C28) ^a	3.70 J 1.75 J 0.799 J	6.3 5.5 5.5	3.1 0.48 0.57	mg/kg mg/kg mg/kg	SW846 8015C SW846 8015C SW846 8015C
TD24938-12	12 @ 4'					
Chloride		19.7	6.3		mg/kg	EPA 300.0
TD24938-12A	12 @ 4'					
TPH-DRO (C10- TPH-ORO (C28-		3.15 J 0.809 J	6.3 6.3	0.54 0.65	mg/kg mg/kg	SW846 8015C SW846 8015C

TD24938-13 TRIP BLANK

No hits reported in this sample.

(a) Analysis performed at SGS Scott, LA.

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Houston, TX

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Sample Results

Report of Analysis





Client Sa Lab Sam	-	38-1			Da	ate Sampled: 07	7/31/18
Matrix:	SO - So	oil			Da	ate Received: 08	3/01/18
Method:	SW846	8260C			Pe	ercent Solids: 93	3.2
Project:	BROAI	OTXB: Pi	lot Crude Hauling/S	pill Jal	, NM/ 18-07-101	-13107	
				_			
	File ID	DF	Analyzed	Bv	Prep Date	Prep Batch	Analytical Batch
Run #1	File ID Y1098347.D	DF 1	Analyzed 08/02/18 00:05	By FI	Prep Date n∕a	Prep Batch n/a	Analytical Batch VY4815
		DF 1	•	•	-	-	-
		DF 1 Final V	08/02/18 00:05	•	-	-	-
Run #1 Run #2 Run #1	Y1098347.D	1	08/02/18 00:05	•	-	-	-

Report of Analysis

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2 108-88-3 100-41-4 1330-20-7 1634-04-4	Benzene Toluene Ethylbenzene Xylene (total) Methyl Tert Butyl Ether	ND ND ND 0.0017 ND	$\begin{array}{c} 0.0049 \\ 0.0049 \\ 0.0049 \\ 0.0049 \\ 0.0049 \\ 0.0049 \end{array}$	0.0016 0.0016 0.0017 0.0016 0.0013	mg/kg mg/kg mg/kg mg/kg	1
CAS No.	Surrogate Recoveries	Run# 1	Run# 2 Limits		ts	
1868-53-7 2037-26-5 460-00-4 17060-07-0	Dibromofluoromethane Toluene-D8 4-Bromofluorobenzene 1,2-Dichloroethane-D4	105% 109% 97% 104%	59-126% 70-139% 63-138% 54-123%			

- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

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Chloride

Solids, Percent

7.8

93.2

Report of Analysis									
Client Sample ID:	1 @ 5'						07/	21/10	
Lab Sample ID:	TD24938-1					Date Sampled:		31/18	
Matrix:	SO - Soil					Date Received Percent Solids		0 - / - 0	
Project:	BROADTX	KB: Pilot	Crude Hauli	ng/Spill Jal,	NM/ 18-	07-101-13107			
General Chemistry									
Analyte]	Result	RL	Units	DF	Analyzed	By	Metho	bd

mg/kg

%

1

1

08/01/18 17:49 LR EPA 300.0

SM 2540 G

BS

08/01/18

5.3

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			Report	of An	alysis			Page 1 of 1
Client San Lab Samp Matrix: Method: Project:	le ID: TD249 SO - So SW846	oil 5 8015C S	W846 5035 ot Crude Hauling/S	Spill Jal,	NM/ 18-	Date Perc	Received: 0 ent Solids: 9	07/31/18 08/01/18 03.2
Run #1 ^a Run #2	File ID LA307168.D	DF 1	Analyzed 08/02/18 12:34	By ALA	Prep D 08/02/1	ate 8 09:39	Prep Batch n/a	Analytical Batch L:GLA1970
Run #1 Run #2	Initial Weight 4.70 g	Final Vo 5.0 ml	Dume Meth 100 r	hanol Al ul	iquot			
CAS No.	Compound		Result	RL	MDL	Units	Q	
	TPH-GRO (C	5-C10)	ND	6.1	3.0	mg/kg		
CAS No.	Surrogate Re	coveries	Run# 1	Run# 2	Lim	its		
460-00-4 540-36-3	4-Bromofluoro 1,4-Difluorobe		92% 97%			39% 40%		

(a) Analysis performed at SGS Scott, LA.

ND = Not detected MDL = Method Detection Limit

- RL = Reporting Limit
- E = Indicates value exceeds calibration range
- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

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3.2

			Report	of An	alysis			Page 1 of 1	
Client Sample ID: 1 @ 5' Lab Sample ID: TD24938-1A Date Sampled: 07/31/18 Matrix: SO - Soil Date Received: 08/01/18 Method: SW846 8015C SW846 3546 Percent Solids: 93.2 Project: BROADTXB: Pilot Crude Hauling/Spill Jal, NM/ 18-07-101-13107									
Run #1 ^a Run #2	File ID S0008752.D	DF 1	Analyzed 08/03/18 01:21	By Ala	Prep D 08/02/1	ate 8 11:00	Prep Batch L:OP11900	Analytical Batch L:GLG703	
Run #1 Run #2	Initial Weight 20.3 g	Final Vol 1.0 ml	ume						
CAS No.	Compound		Result	RL	MDL	Units	Q		
	TPH-DRO (C1 TPH-ORO (C2	,	1.00 ND	5.3 5.3	0.46 0.55	mg/kg mg/kg	J		
CAS No.	Surrogate Rec	overies	Run# 1	Run# 2	Lim	its			
84-15-1	o-Terphenyl		75%		31-1	30%			

(a) Analysis performed at SGS Scott, LA.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

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13 of 84 SGS

E = Indicates value exceeds calibration range

Lab Sam	mple ID: 2 @ 5. ple ID: TD249	-			Da	ate Sampled: 07	7/31/18
Matrix:	SO - S					1	3/01/18
Method:	SW846	5 8260C			Pe	rcent Solids: 78	3.2
Project:	BROA	DTXB: Pi	lot Crude Hauling/S	pill Jal	, NM/ 18-07-101	-13107	
	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y1098348.D	1	08/02/18 00:33	•	n/a	n/a	VY4815
Run #2							
Run #2	Initial Weight	Final V	olume				
Run #2	Initial Weight 4.27 g	Final V 5.0 ml	Volume				

Report of Analysis

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2 108-88-3 100-41-4 1330-20-7 1634-04-4	Benzene Toluene Ethylbenzene Xylene (total) Methyl Tert Butyl Ether	ND ND ND ND ND	$\begin{array}{c} 0.0060\\ 0.0060\\ 0.0060\\ 0.0060\\ 0.0060\\ 0.0060 \end{array}$	0.0019 0.0020 0.0021 0.0020 0.0016	mg/kg mg/kg mg/kg mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
1868-53-7 2037-26-5 460-00-4 17060-07-0	Dibromofluoromethane Toluene-D8 4-Bromofluorobenzene 1,2-Dichloroethane-D4	110% 109% 99% 105%	59-126% 70-139% 63-138% 54-123%			

- J = Indicates an estimated value
- $B = \ Indicates \ analyte \ found \ in \ associated \ method \ blank$
- N = Indicates presumptive evidence of a compound



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Chloride

Solids, Percent

26.7

78.2

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Client Sample ID:	2 @ 5.5'						
Lab Sample ID:	TD24938-2				Date Sampl	ed: 07	//31/18
Matrix:	SO - Soil				Date Receiv	ed: 08	8/01/18
					Percent Soli	ids: 78	3.2
Project:	BROADTXB: Pilot	Crude Hauli	ng/Spill Jal,	NM/ 18-	07-101-13107		
General Chemistry							
Analyte	Result	RL	Units	DF	Analyzed	By	Method

mg/kg

%

6.3

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Page 1 of 1

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08/01/18 18:40 LR

BS

08/01/18

EPA 300.0

SM 2540 G

RL = Reporting Limit

				Report	of An	alysis			Page 1 of 1
Client San Lab Samp Matrix: Method: Project:	-		8-2A 1 8015C SV	V846 5035 t Crude Hauling/S	Spill Jal,	NM/ 18-	Date Perce	Received: ent Solids:	07/31/18 08/01/18 78.2
Run #1 ^a Run #2	File ID LA3071	70.D	DF 1	Analyzed 08/02/18 12:56	By 5 ALA	Prep D 08/02/1	ate 8 09:39	Prep Batch n/a	Analytical Batch L:GLA1970
Run #1 Run #2	Initial V 4.70 g	Weight	Final Vol 5.0 ml	ume Met 100	hanol Al i ul	iquot			
CAS No.	Comp	ound		Result	RL	MDL	Units	Q	
	TPH-C	GRO (C6-	C10)	5.51	8.2	4.0	mg/kg	J	
CAS No.	Surrog	gate Reco	overies	Run# 1	Run# 2	Lim	its		
460-00-4 540-36-3		nofluorob fluorober	•1120110	93% 97%		63-1 52-1	39% 40%		

(a) Analysis performed at SGS Scott, LA.

ND = Not detected MDL = Method Detection Limit

- RL = Reporting Limit
- E = Indicates value exceeds calibration range
- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

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			Report	alysis			Page 1 of 1	
Client Sam Lab Samp Matrix: Method: Project:	le ID: TD24 SO - S SW84	V846 3546 t Crude Hauling/S	pill Jal,	NM/ 18-	Date Date Perce 07-101-13	7/31/18 8/01/18 8.2		
Run #1 ^a Run #2	File ID S0008753.D	DF 1	Analyzed 08/03/18 01:43	By Ala	Prep D 08/02/1	ate 8 11:00	Prep Batch L:OP11900	Analytical Batch L:GLG703
Run #1 Run #2	Initial Weight 20.3 g	Final Vo 1.0 ml	lume					
CAS No.	Compound		Result	RL	MDL	Units	Q	
	TPH-DRO (C TPH-ORO (C	,		6.3 6.3	0.54 0.65	mg/kg mg/kg	J	
CAS No.	Surrogate Recoveries		Run# 1	Run# 2	Lim	its		
84-15-1	o-Terphenyl		65%		31-1	30%		

(a) Analysis performed at SGS Scott, LA.

ND = Not detected MDL = Method Detection Limit

- RL = Reporting Limit
- E = Indicates value exceeds calibration range
- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

3.4

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Lab Sam	mple ID: 3 @ 5 ple ID: TD249				D	ate Sampled: 0	7/31/18
Matrix:	SO - So					L	8/01/18
Method:	SW846	8260C			Pe	ercent Solids: 8	1.3
Project:	BROA	DTXB: Pi	lot Crude Hauling/S	pill Jal	, NM/ 18-07-101	-13107	
	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y1098349.D	1	08/02/18 01:01	•	n/a	n/a	VY4815
Run #2							
	Initial Weight	Final V	olume				
Run #1	Initial Weight 7.71 g	Final V 5.0 ml	olume				

Report of Analysis

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2 108-88-3 100-41-4 1330-20-7 1634-04-4	Benzene Toluene Ethylbenzene Xylene (total) Methyl Tert Butyl Ether	ND ND ND ND ND	$\begin{array}{c} 0.0032 \\ 0.0032 \\ 0.0032 \\ 0.0032 \\ 0.0032 \\ 0.0032 \end{array}$	0.0010 0.0010 0.0011 0.0011 0.00087	mg/kg mg/kg mg/kg mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
1868-53-7 2037-26-5 460-00-4 17060-07-0	Dibromofluoromethane Toluene-D8 4-Bromofluorobenzene 1,2-Dichloroethane-D4	100% 110% 97% 102%	59-126% 70-139% 63-138% 54-123%			

- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound



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Report of Analysis										
Client Sample ID: Lab Sample ID:	3 @ 5.5' TD24938-3				Date Sampled:	07/	/31/18			
Matrix:	SO - Soil				Date Received	: 08/	/01/18			
Project:	BROADTXB: Pilot C	rude Hauli	ng/Spill Jal,	NM/ 18-	Percent Solids : 07-101-13107	: 81.	.3			
General Chemistry										
Analyte	Result	RL	Units	DF	Analyzed	By	Metho	d		

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	12.3	6.1	mg/kg	1	08/01/18 18:57	LR	EPA 300.0
Solids, Percent	81.3		%	1	08/01/18	BS	SM 2540 G

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3.5




			Report	of An	alysis			Page 1 of 1
Client San Lab Samp Matrix: Method: Project:	le ID: TD249 SO - So SW846	38-3A bil 5 8015C SV	W846 5035 ht Crude Hauling/S	Spill Jal,	NM/ 18-	Date Perc	Received: 0 ent Solids: 8	97/31/18 98/01/18 31.3
Run #1 ^a Run #2	File ID LA307172.D	DF 1	Analyzed 08/02/18 13:19	By Ala	Prep D 08/02/1	ate 8 09:39	Prep Batch n/a	Analytical Batch L:GLA1970
Run #1 Run #2	Initial Weight 4.80 g	Final Vo 5.0 ml	lume Meth 100 t	nanol Ali 1	iquot			
CAS No.	Compound		Result	RL	MDL	Units	Q	
	TPH-GRO (C	5-C10)	ND	7.6	3.7	mg/kg		
CAS No.	Surrogate Re	coveries	Run# 1	Run# 2	Lim	its		
460-00-4 540-36-3	4-Bromofluoro 1,4-Difluorobe		91% 96%			39% 40%		

(a) Analysis performed at SGS Scott, LA.

ND = Not detected MDL = Method Detection Limit

- RL = Reporting Limit
- E = Indicates value exceeds calibration range
- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

			Report	of An	alysis			Page 1 of 1
Client Sam Lab Samp Matrix: Method: Project:	le ID: TD249 SO - S SW84	938-3A oil 5 8015C SV	W846 3546 t Crude Hauling/S	pill Jal,	NM/ 18-4	Date Perce	Received: 08 ent Solids: 81	//31/18 //01/18 .3
Run #1 ^a Run #2	File ID S0008754.D	DF 1	Analyzed 08/03/18 02:04	By Ala	Prep D 08/02/1	ate 8 11:00	Prep Batch L:OP11900	Analytical Batch L:GLG703
Run #1 Run #2	Initial Weight 20.4 g	Final Vo 1.0 ml	lume					
CAS No.	Compound		Result	RL	MDL	Units	Q	
	TPH-DRO (C TPH-ORO (C	,		6.0 6.0	0.52 0.63	mg/kg mg/kg	J J	
CAS No.	Surrogate Re	coveries	Run# 1	Run# 2	Lim	its		
84-15-1	o-Terphenyl		63%		31-1	30%		

(a) Analysis performed at SGS Scott, LA.

ND = Not detected MDL = Method Detection Limit

- RL = Reporting Limit
- E = Indicates value exceeds calibration range
- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound



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3.6

Lab Sam	mple ID: 4 @ 5.5 ple ID: TD2493				Da	ate Sampled: 07	//31/18
Matrix:	SO - So	il				1	3/01/18
Method:	SW846	8260C			Pe	crcent Solids: 94	.5
Project:	BROAL	DTXB: Pi	lot Crude Hauling/S	pill Jal	l, NM/ 18-07-101	-13107	
	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D #1	Y1098350.D	1	08/02/18 01:30	•	n/a	n/a	VY4815
Run #1 Run #2	11090330.D						
	Initial Weight	Final V	⁷ olume				

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2 108-88-3 100-41-4 1330-20-7 1634-04-4	Benzene Toluene Ethylbenzene Xylene (total) Methyl Tert Butyl Ether	ND ND ND ND ND	0.0036 0.0036 0.0036 0.0036 0.0036	0.0012 0.0012 0.0013 0.0012 0.00099	mg/kg mg/kg mg/kg mg/kg mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
1868-53-7 2037-26-5 460-00-4 17060-07-0	Dibromofluoromethane Toluene-D8 4-Bromofluorobenzene 1,2-Dichloroethane-D4	105% 108% 100% 103%		59-12 70-13 63-13 54-12	9% 8%	

- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

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		Re	port of A	nalysis			Page 1 of 1
Client Sample ID:	4 @ 5.5'						
Lab Sample ID:	TD24938-4				Date Sampled:	07/31/18	
Matrix:	SO - Soil				Date Received:	08/01/18	
					Percent Solids:	94.5	
Project:	BROADTXB:	Pilot Crude Ha	uling/Spill Ja	l, NM/ 18-	-07-101-13107		
General Chemistr	y						
Analyte	Rest	ult RL	. Units	DF	Analyzed	By Meth	od

IY ıy Ŋ Chloride < 5.3 5.3 mg/kg 1 08/01/18 19:14 LR EPA 300.0 Solids, Percent 94.5 % 1 08/01/18 SM 2540 G BS

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3.7



			Report	of An	alysis			Page 1 of 1
Client San Lab Samp Matrix: Method: Project:	le ID: TD249 SO - So SW846	38-4A bil 5 8015C SV	W846 5035 ot Crude Hauling/S	Spill Jal,	NM/ 18-	Date Perc	Received: 0 ent Solids: 9	17/31/18 18/01/18 14.5
Run #1 ^a Run #2	File ID LA307178.D	DF 1	Analyzed 08/02/18 14:25	By Ala	Prep D 08/02/1	ate 8 09:39	Prep Batch n/a	Analytical Batch L:GLA1970
Run #1 Run #2	Initial Weight 4.80 g	Final Vo 5.0 ml	lume Meth 100 t	n anol Al i 1	iquot			
CAS No.	Compound		Result	RL	MDL	Units	Q	
	TPH-GRO (Ce	5-C10)	ND	5.8	2.8	mg/kg		
CAS No.	Surrogate Re	coveries	Run# 1	Run# 2	Lim	its		
460-00-4 540-36-3	4-Bromofluoro 1,4-Difluorobe		92% 97%			39% 40%		

(a) Analysis performed at SGS Scott, LA.

ND = Not detected MDL = Method Detection Limit

- RL = Reporting Limit
- E = Indicates value exceeds calibration range
- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound



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			Report	of An	alysis			Page 1 of 1
Client San Lab Samp Matrix: Method: Project:	le ID: TD249 SO - S SW846	938-4A oil 5 8015C SV	W846 3546 ot Crude Hauling/S	pill Jal,	NM/ 18-4	Date Perce	Received: 08 ent Solids: 94	2/31/18 8/01/18 4.5
Run #1 ^a Run #2	File ID S0008755.D	DF 1	Analyzed 08/03/18 02:26	By Ala	Prep D 08/02/1	ate 8 11:00	Prep Batch L:OP11900	Analytical Batch L:GLG703
Run #1 Run #2	Initial Weight 20.4 g	Final Vo 1.0 ml	lume					
CAS No.	Compound		Result	RL	MDL	Units	Q	
	TPH-DRO (C TPH-ORO (C	,		5.2 5.2	0.45 0.54	mg/kg mg/kg] J	
CAS No.	Surrogate Re	coveries	Run# 1	Run# 2	Lim	its		
84-15-1	o-Terphenyl		66%		31-1	30%		

(a) Analysis performed at SGS Scott, LA.

ND = Not detected MDL = Method Detection Limit

- RL = Reporting Limit
- E = Indicates value exceeds calibration range
- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound



Client Sa Lab Sam	mple ID: 5 @ 5' ple ID: TD249	38-5			D	ate Sampled: 07	//31/18
Matrix:	SO - So					1	3/01/18
Method:	SW846				Pe	crcent Solids: 92	2.9
Project:	BROAI	OTXB: Pi	lot Crude Hauling/S	pill Jal	, NM/ 18-07-101	-13107	
	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y1098351.D	1	08/02/18 01:58	-	n/a	n/a	VY4815
Run #2							
	Initial Weight	Final V	olume				
Run #1	Initial Weight 7.71 g	Final V 5.0 ml	olume				

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2 108-88-3 100-41-4 1330-20-7 1634-04-4	Benzene Toluene Ethylbenzene Xylene (total) Methyl Tert Butyl Ether	ND ND ND ND ND	0.0028 0.0028 0.0028 0.0028 0.0028	0.00089 0.00091 0.00097 0.00093 0.00076	mg/kg mg/kg mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
1868-53-7 2037-26-5 460-00-4 17060-07-0	Dibromofluoromethane Toluene-D8 4-Bromofluorobenzene 1,2-Dichloroethane-D4	105% 109% 98% 104%		59-12 70-13 63-13 54-12	39% 38%	

- J = Indicates an estimated value
- $B = \ Indicates \ analyte \ found \ in \ associated \ method \ blank$
- N = Indicates presumptive evidence of a compound



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Chloride

Solids, Percent

		Rep	ort of A	nalysis			Page 1 of 1
Client Sample ID:	5 @ 5'						
Lab Sample ID:	TD24938-5				Date Sampled:	07/31/18	
Matrix:	SO - Soil				Date Received:	08/01/18	
					Percent Solids:	92.9	
Project:	BROADTXB: P	ilot Crude Hau	ling/Spill Jal	, NM/ 18-	-07-101-13107		
General Chemistry							
Analyte	Resul	t RL	Units	DF	Analyzed	By Meth	od

mg/kg

%

1

1

08/01/18 19:31 LR EPA 300.0

BS

SM 2540 G

08/01/18

5.4

< 5.4

92.9

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<u>3.9</u>



			Report	of An	alysis			Page 1 of 1
Client San Lab Samp Matrix: Method: Project:	le ID: TD249 SO - S SW840	938-5A oil 5 8015C S	W846 5035 ot Crude Hauling/S	Spill Jal,	NM/ 18-	Date Perce	Received: ent Solids:	07/31/18 08/01/18 92.9
Run #1 ^a Run #2	File ID LA307180.D	DF 1	Analyzed 08/02/18 14:48	By Ala	Prep D 08/02/1	ate 8 09:39	Prep Batch n/a	Analytical Batch L:GLA1970
Run #1 Run #2	Initial Weight 4.70 g	Final Vo 5.0 ml	Dume Meth 100 t	hanol Al ul	iquot			
CAS No.	Compound		Result	RL	MDL	Units	Q	
	TPH-GRO (C	6-C10)	4.33	6.1	3.0	mg/kg	J	
CAS No.	Surrogate Re	coveries	Run# 1	Run# 2	Lim	its		
460-00-4 540-36-3	4-Bromofluor 1,4-Difluorob		90% 95%			39% 40%		

(a) Analysis performed at SGS Scott, LA.

ND = Not detected MDL = Method Detection Limit

- RL = Reporting Limit
- E = Indicates value exceeds calibration range
- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound



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			Report	of An	alysis			Page 1 of 1		
Client Sample ID: 5 @ 5' Lab Sample ID: TD24938-5A Date Sampled: 07/31/18 Matrix: SO - Soil Date Received: 08/01/18 Method: SW846 8015C SW846 3546 Percent Solids: 92.9 Project: BROADTXB: Pilot Crude Hauling/Spill Jal, NM/ 18-07-101-13107 Prep Batch Analytical Batch										
Run #1 ^a Run #2	File ID S0008756.D	DF 1	Analyzed 08/03/18 02:48	•	-	ate 8 11:00	Prep Batch L:OP11900	Analytical Batch L:GLG703		
Run #1 Run #2	Initial Weight 20.0 g	Final Vo 1.0 ml	lume							
CAS No.	Compound		Result	RL	MDL	Units	Q			
	TPH-DRO (C1 TPH-ORO (C2	,	0.744 ND	5.4 5.4	0.46 0.56	mg/kg mg/kg	J			
CAS No.	Surrogate Rec	overies	Run# 1	Run# 2	Lim	its				
84-15-1	o-Terphenyl		56%		31-1	30%				

(a) Analysis performed at SGS Scott, LA.

ND = Not detected MDL = Method Detection Limit

- RL = Reporting Limit
- E = Indicates value exceeds calibration range
- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

Client San	-	28.6				Date Sampled:	07/31/18
Lab Sam		TD24938-6				1	
Matrix:	SO - So						08/01/18
Method:	SW846	8260C				Percent Solids:	94.2
Project:	BROAI	DTXB: P	ilot Crude Hauling/S	pill Ja	l, NM/ 18-07-	101-13107	
	File ID	DF	Analyzed	By	Prep Date	Prep Batcl	n Analytical Batch
Run #1	Y1098352.D	1	08/02/18 02:26	FI	n/a	n/a	VY4815
Run #2							
	Initial Weight	Final V	Volume				
Run #1	8.13 g	5.0 ml					

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2 108-88-3 100-41-4 1330-20-7 1634-04-4	Benzene Toluene Ethylbenzene Xylene (total) Methyl Tert Butyl Ether	ND ND ND ND ND	0.0026 0.0026 0.0026 0.0026 0.0026	0.00084 0.00086 0.00091 0.00087 0.00071	mg/kg mg/kg mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
1868-53-7 2037-26-5 460-00-4 17060-07-0	Dibromofluoromethane Toluene-D8 4-Bromofluorobenzene 1,2-Dichloroethane-D4	108% 108% 98% 110%		59-12 70-13 63-13 54-12	39% 38%	

- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound



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3.11



Chloride

Solids, Percent

		Repo	ort of Ar	nalysis			Page 1 of
Client Sample ID:	6 @ 5'						
Lab Sample ID:	TD24938-6				Date Sample	d: 07/31/18	
Matrix:	SO - Soil				Date Receive	ed: 08/01/18	
					Percent Solid	ls: 94.2	
Project:	BROADTXB: Pilot (Crude Hauli	ng/Spill Jal,	NM/ 18-	07-101-13107		
General Chemistry	7						
Analyte	Result	RL	Units	DF	Analyzed	By Metl	nod

mg/kg

%

1

1

08/01/18 19:48 LR EPA 300.0

SM 2540 G

BS

08/01/18

5.3

< 5.3

94.2

3.11





			Report	of An	alysis			Page 1 of 1
Client San Lab Samp Matrix: Method: Project:	le ID: TD249 SO - S SW846	oil 5 8015C S	W846 5035 ot Crude Hauling/S	pill Jal,	NM/ 18-	Date Perce	Received: () ent Solids: 9)7/31/18)8/01/18)4.2
Run #1 ^a Run #2	File ID LA307182.D	DF 1	Analyzed 08/02/18 15:10	By Ala	Prep D 08/02/1	ate 8 09:39	Prep Batch n/a	Analytical Batch L:GLA1970
Run #1 Run #2	Initial Weight 5.10 g	Final Vo 5.0 ml	lume Meth 100 ι	nanol Al 11	iquot			
CAS No.	Compound		Result	RL	MDL	Units	Q	
	TPH-GRO (C	6-C10)	2.75	5.5	2.7	mg/kg	J	
CAS No.	Surrogate Re	coveries	Run# 1	Run# 2	Lim	its		
460-00-4 540-36-3	4-Bromofluoro 1,4-Difluorob	o o o na o no	95% 99%		63-1 52-1			

(a) Analysis performed at SGS Scott, LA.

ND = Not detected MDL = Method Detection Limit

- RL = Reporting Limit
- E = Indicates value exceeds calibration range
- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound



interiou inc.							
		Report	of An	alysis			Page 1 of 1
SO - So SW846	oil 8015C SW		Spill Jal, 1	NM/ 18-0	Date Perce	Received: 08 ent Solids: 94	7/31/18 8/01/18 4.2
File ID S0008760.D	DF 1	Analyzed 08/03/18 04:15	By ALA	-		Prep Batch L:OP11900	Analytical Batch L:GLG703
Initial Weight 20.0 g	Final Volu 1.0 ml	ume					
Compound		Result	RL	MDL	Units	Q	
	,	1.58 ND	5.3 5.3	0.46 0.55	mg/kg mg/kg	J	
Surrogate Rec	coveries	Run# 1	Run# 2	Lim	its		
	le ID: TD249, SO - So SW846 BROAI File ID S0008760.D Initial Weight 20.0 g Compound TPH-DRO (C1 TPH-ORO (C2	Ie ID: TD24938-6A SO - Soil SW846 8015C SW 846 8015C SW BROADTXB: Pilot File ID DF S0008760.D Initial Weight Final Volu 20.0 g 1.0 ml	Inple ID: 6 @ 5' le ID: TD24938-6A SO - Soil SW846 8015C SW846 3546 BROADTXB: Pilot Crude Hauling/S File ID DF Analyzed S0008760.D 1 08/03/18 04:15 Initial Weight Final Volume 20.0 g 1.0 ml Compound Result TPH-DRO (C10-C28) 1.58 TPH-ORO (C28-C35) ND	Iple ID: 6 @ 5' le ID: TD24938-6A SO - Soil SW846 8015C SW846 8015C SW846 3546 BROADTXB: Pilot Crude Hauling/Spill Jal, File ID DF Analyzed By S0008760.D 1 08/03/18 04:15 ALA Initial Weight Final Volume Example 100 ml RL Compound Result RL TPH-DRO (C10-C28) 1.58 5.3 TPH-ORO (C28-C35) ND 5.3	Ie ID: TD24938-6A SO - Soil SW846 8015C SW846 8015C SW846 3546 BROADTXB: Pilot Crude Hauling/Spill Jal, NM/ 18-4 File ID DF Analyzed By Prep D S0008760.D 1 08/03/18 04:15 ALA 08/02/1 Initial Weight Final Volume 20.0 g 1.0 ml Compound Result RL MDL TPH-DRO (C10-C28) 1.58 5.3 0.46 TPH-ORO (C28-C35) ND 5.3 0.55	Inple ID: 6 @ 5' Date Isolar SO - Soil Date SW846 8015C SW846 3546 Perce BROADTXB: Pilot Crude Hauling/Spill Jal, NM/ 18-07-101-13 Prep Date File ID DF Analyzed By Prep Date S0008760.D 1 08/03/18 04:15 ALA 08/02/18 11:00 Initial Weight Final Volume Result RL MDL Units TPH-DRO (C10-C28) 1.58 5.3 0.46 mg/kg TPH-ORO (C28-C35) ND 5.3 0.55 mg/kg	Imple ID: 6 @ 5' Date Sampled: 0' Ie ID: TD24938-6A Date Sampled: 0' SO - Soil Date Received: 08 SW846 8015C SW846 3546 Percent Solids: 94 BROADTXB: Pilot Crude Hauling/Spill Jal, NM/ 18-07-101-13107 Prep Batch Prep Batch S0008760.D 1 O8/03/18 04:15 ALA O8/02/18 11:00 L:OP11900 Initial Weight Final Volume Prep Date Prep Batch L:OP11900 Initial Weight Final Volume Source Prep Date Prep Batch ZO.0 g 1.0 ml I.10 ml I.20P11900 I.20P11900 Initial Weight Final Volume Source I.20P11900 I.20P11900 Initial Weight Final Volume Source I.20P11900 I.20P11900 Initial Weight Final Volume I.20P11900 IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII

(a) Analysis performed at SGS Scott, LA.

ND = Not detected MDL = Method Detection Limit

- RL = Reporting Limit
- E = Indicates value exceeds calibration range
- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound



Client Sa Lab Sam	mple ID: 7@5 ple ID: TD24				г	Date Sampled: 07	//31/18
Lab Sam Matrix:	SO - S					-	/01/18
Method: Project:	SW84	6 8260C	ilot Crude Hauling/S	pill Ja	F	Percent Solids: 95	
	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 Run #2	Y1098353.D	1	08/02/18 02:54	FI	n/a	n/a	VY4815
	Initial Weight	Final V	olume				
	3.64 g	5.0 ml					

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2 108-88-3 100-41-4 1330-20-7 1634-04-4	Benzene Toluene Ethylbenzene Xylene (total) Methyl Tert Butyl Ether	ND ND ND ND ND	0.0058 0.0058 0.0058 0.0058 0.0058	0.0018 0.0019 0.0020 0.0019 0.0016	mg/kg mg/kg mg/kg mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
1868-53-7 2037-26-5 460-00-4 17060-07-0	Dibromofluoromethane Toluene-D8 4-Bromofluorobenzene 1,2-Dichloroethane-D4	101% 110% 96% 103%		59-12 70-13 63-13 54-12	39% 38%	

- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound



Page 1 of 1

3.13 **3**

Chloride

Solids, Percent

		nep		aly bib			1 450 1 01
Client Sample ID:	7 @ 5.5'						
Lab Sample ID:	TD24938-7				Date Sample	ed: 07/31/18	
Matrix:	SO - Soil				Date Receiv	ed: 08/01/18	
					Percent Soli	ds: 95.1	
Project:	BROADTXB: Pilot C	Crude Hauli	ng/Spill Jal,	NM/ 18-	07-101-13107		
General Chemistry	7						
Analyte	Result	RL	Units	DF	Analyzed	By Metho	d

mg/kg

%

1

1

08/01/18 20:38 LR EPA 300.0

BS

SM 2540 G

08/01/18

5.2

< 5.2

95.1

Page 1 of 1

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3.13



			Report	of An	alysis			Page 1 of 1
Client San Lab Samp Matrix: Method: Project:	le ID: TD249 SO - So SW846	38-7A oil 5 8015C S	W846 5035 ot Crude Hauling/S	Spill Jal,	NM/ 18-	Date Perc	e Received: 0 ent Solids: 9	97/31/18 98/01/18 95.1
Run #1 ^a Run #2	File ID LA307184.D	DF 1	Analyzed 08/02/18 15:32	By ALA	Prep D 08/02/1	ate 8 09:39	Prep Batch n/a	Analytical Batch L:GLA1970
Run #1 Run #2	Initial Weight 5.00 g	Final Vo 5.0 ml	Dume Metl 100	hanol Al ul	liquot			
CAS No.	Compound		Result	RL	MDL	Units	Q	
	TPH-GRO (Ce	5-C10)	ND	5.5	2.7	mg/kg		
CAS No.	Surrogate Re	coveries	Run# 1	Run# 2	Lim	its		
460-00-4 540-36-3	4-Bromofluoro 1,4-Difluorobe		92% 97%			39% 40%		

(a) Analysis performed at SGS Scott, LA.

ND = Not detected MDL = Method Detection Limit

- RL = Reporting Limit
- E = Indicates value exceeds calibration range
- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound



			Report	of An	alysis			Page 1 of 1
Client San Lab Samp Matrix: Method: Project:	le ID: TD249 SO - So SW846	38-7A bil 5 8015C SW	846 3546 Crude Hauling/S	Spill Jal,	NM/ 18-	Date Perce	Received: 08 ent Solids: 95	7/31/18 8/01/18 5.1
Run #1 ^a Run #2	File ID S0008761.D	DF 1	Analyzed 08/03/18 04:36	By ALA	Prep D 08/02/1	ate 8 11:00	Prep Batch L:OP11900	Analytical Batch L:GLG703
Run #1 Run #2	Initial Weight 20.0 g	Final Volu 1.0 ml	ıme					
CAS No.	Compound		Result	RL	MDL	Units	Q	
	TPH-DRO (C TPH-ORO (C	,	1.28 0.846	5.3 5.3	0.45 0.55	mg/kg mg/kg	J J	
CAS No.	Surrogate Rec	coveries	Run# 1	Run# 2	Lim	its		
84-15-1	o-Terphenyl		56%		31-1	30%		

(a) Analysis performed at SGS Scott, LA.

ND = Not detected MDL = Method Detection Limit

- RL = Reporting Limit
- E = Indicates value exceeds calibration range
- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

Client Sa Lab Sam	mple ID: 8 @ 5' ple ID: TD2493	88-8				Date Sampled:	07/31/18	
Matrix:	SO - So					Date Sampled: 07/51/18 Date Received: 08/01/18		
Method: Project:	SW846	8260C	ilot Crude Hauling/S	pill Ja	l, NM/ 18-07-	Percent Solids:		
Run #1 Run #2	File ID Y1098354.D	DF 1	Analyzed 08/02/18 03:22	By FI	Prep Date n/a	Prep Batc n/a	h Analytical Batch VY4815	
Run #1	Initial Weight 5.11 g	Final V 5.0 ml	Volume					

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2 108-88-3 100-41-4 1330-20-7 1634-04-4	Benzene Toluene Ethylbenzene Xylene (total) Methyl Tert Butyl Ether	ND ND ND ND ND	0.0041 0.0041 0.0041 0.0041 0.0041	0.0013 0.0013 0.0014 0.0014 0.0011	mg/kg mg/kg mg/kg mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
1868-53-7 2037-26-5 460-00-4 17060-07-0	Dibromofluoromethane Toluene-D8 4-Bromofluorobenzene 1,2-Dichloroethane-D4	100% 108% 97% 103%		59-12 70-13 63-13 54-12	39% 38%	

- J = Indicates an estimated value
- $B = \ Indicates \ analyte \ found \ in \ associated \ method \ blank$
- N = Indicates presumptive evidence of a compound



Page 1 of 1

3.15 **3**

Chloride

Solids, Percent

		Repo	ort of Ar	nalysis			Page 1 of
Client Sample ID:	8 @ 5'						
Lab Sample ID:	TD24938-8				Date Sampled:	07/31/18	
Matrix:	SO - Soil				Date Received:	: 08/01/18	
					Percent Solids:	95.1	
Project:	BROADTXB: Pilot 0	Crude Hauli	ng/Spill Jal,	NM/ 18-	07-101-13107		
General Chemistry	7						
Analyte	Result	RL	Units	DF	Analyzed	By Meth	od

mg/kg

%

1

1

08/01/18 20:55 LR EPA 300.0

BS

SM 2540 G

08/01/18

5.2

< 5.2

95.1

3.15

ω



TD24938

			Report	of An	alysis			Page 1 of 1
Client San Lab Samp Matrix: Method: Project:	le ID: TD249 SO - So SW846	oil 8015C S	W846 5035 ot Crude Hauling/S	Spill Jal,	NM/ 18-	Date Perc	Received: 0 ent Solids: 9	7/31/18 8/01/18 5.1
Run #1 ^a Run #2	File ID LA307186.D	DF 1	Analyzed 08/02/18 15:54	By ALA	Prep D 08/02/1	ate 8 09:39	Prep Batch n/a	Analytical Batch L:GLA1970
Run #1 Run #2	Initial Weight 5.00 g	Final Vo 5.0 ml	Diume Meth 100 t	n anol Al 11	iquot			
CAS No.	Compound		Result	RL	MDL	Units	Q	
	TPH-GRO (Ce	5-C10)	ND	5.5	2.7	mg/kg		
CAS No.	Surrogate Re	coveries	Run# 1	Run# 2	Lim	its		
460-00-4 540-36-3	4-Bromofluoro 1,4-Difluorobe		92% 97%		63-1 52-1	39% 40%		

(a) Analysis performed at SGS Scott, LA.

ND = Not detected MDL = Method Detection Limit

- RL = Reporting Limit
- E = Indicates value exceeds calibration range
- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound



			Report	of An	alysis			Page 1 of 1
Client San Lab Samp Matrix: Method: Project:	le ID: TD2492 SO - So SW846	oil 8015C SW	/846 3546 Crude Hauling/S	Spill Jal,	NM/ 18-4	Date Perce	Received: 08 ent Solids: 95	7/31/18 8/01/18 5.1
Run #1 ^a Run #2	File ID S0008762.D	DF 1	Analyzed 08/03/18 04:57	By ALA	Prep D 08/02/1	ate 8 11:00	Prep Batch L:OP11900	Analytical Batch L:GLG703
Run #1 Run #2	Initial Weight 20.0 g	Final Volu 1.0 ml	ume					
CAS No.	Compound		Result	RL	MDL	Units	Q	
	TPH-DRO (C1 TPH-ORO (C2	,	0.629 ND	5.3 5.3	0.45 0.55	mg/kg mg/kg	J	
CAS No.	Surrogate Rec	coveries	Run# 1	Run# 2	Lim	its		

(a) Analysis performed at SGS Scott, LA.

ND = Not detected MDL = Method Detection Limit

- RL = Reporting Limit
- E = Indicates value exceeds calibration range
- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

Lab Sam	mple ID: 9@5' ple ID: TD249	38-9			Da	ate Sampled: 07	//31/18
Matrix:	SO - So					1	3/01/18
Method:	SW84 ϵ	8260C			Pe	rcent Solids: 91	.4
Project:	BROA	OTXB: Pi	lot Crude Hauling/S	pill Jal	l, NM/ 18-07-101	-13107	
	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y1098355.D	1	08/02/18 03:50	•	n/a	n/a	VY4815
Run #2							
Run #2	Initial Weight	Final V	olume				

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2 108-88-3 100-41-4 1330-20-7 1634-04-4	Benzene Toluene Ethylbenzene Xylene (total) Methyl Tert Butyl Ether	ND ND ND ND ND	$\begin{array}{c} 0.0045\\ 0.0045\\ 0.0045\\ 0.0045\\ 0.0045\\ 0.0045\end{array}$	0.0014 0.0015 0.0016 0.0015 0.0012	mg/kg mg/kg mg/kg mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
1868-53-7 2037-26-5 460-00-4 17060-07-0	Dibromofluoromethane Toluene-D8 4-Bromofluorobenzene 1,2-Dichloroethane-D4	99% 109% 99% 102%		59-12 70-13 63-13 54-12	39% 38%	

- J = Indicates an estimated value
- $B = \ Indicates \ analyte \ found \ in \ associated \ method \ blank$
- N = Indicates presumptive evidence of a compound



TD24938

Chloride

Solids, Percent

		Repo	ort of Ar	nalysis			Page 1 of
Client Sample ID:	9@5'						
Lab Sample ID:	TD24938-9				Date Sampled	: 07/31/18	
Matrix:	SO - Soil				Date Received	l: 08/01/18	
					Percent Solids	s: 91.4	
Project:	BROADTXB: Pilot O	Crude Hauli	ng/Spill Jal,	NM/ 18-	07-101-13107		
General Chemistry	7						
Analyte	Result	RL	Units	DF	Analyzed	By Meth	od

mg/kg

%

1

1

08/01/18 21:12 LR EPA 300.0

BS

SM 2540 G

08/01/18

5.4

9.0

91.4

Page 1 of 1

3.17

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			Report	of An	alysis			Page 1 of 1
Client San Lab Samp Matrix: Method: Project:	le ID: TD24 SO - S SW84	938-9A soil 6 8015C S	W846 5035 ot Crude Hauling/S	Spill Jal,	NM/ 18-	Date Perc	e Received: 0 ent Solids: 9	7/31/18 8/01/18 11.4
Run #1 ^a Run #2	File ID LA307188.D	DF 1	Analyzed 08/02/18 16:17	By ALA	Prep D 08/02/1	ate 8 09:39	Prep Batch n/a	Analytical Batch L:GLA1970
Run #1 Run #2	Initial Weight 4.60 g	Final V 5.0 ml	olume Met 100	hanol A l ul	liquot			
CAS No.	Compound		Result	RL	MDL	Units	Q	
	TPH-GRO (C	6-C10)	ND	6.4	3.1	mg/kg		
CAS No.	Surrogate Re	coveries	Run# 1	Run# 2	Lim	its		
460-00-4 540-36-3	4-Bromofluor 1,4-Difluorob		93% 97%		63-1 52-1	39% 40%		

(a) Analysis performed at SGS Scott, LA.

ND = Not detected MDL = Method Detection Limit

- RL = Reporting Limit
- E = Indicates value exceeds calibration range
- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

			Report	of An	alysis			Page 1 of 1
Client Sam Lab Sampl Matrix: Method: Project:	le ID: TD249 SO - So SW846	oil 5 8015C SV	V846 3546 t Crude Hauling/S	pill Jal,	NM/ 18-	Date Perce	Received: 08 ent Solids: 91	7/31/18 8/01/18 1.4
Run #1 ^a Run #2	File ID S0008763.D	DF 1	Analyzed 08/03/18 05:19	By ALA	Prep D 08/02/1	ate 8 11:00	Prep Batch L:OP11900	Analytical Batch L:GLG703
Run #1 Run #2	Initial Weight 20.0 g	Final Vo l 1.0 ml	lume					
CAS No.	Compound		Result	RL	MDL	Units	Q	
	TPH-DRO (C TPH-ORO (C	,		5.5 5.5	0.47 0.57	mg/kg mg/kg	J	
CAS No.	Surrogate Re	coveries	Run# 1	Run# 2	Lim	its		
84-15-1	o-Terphenyl		52%		31-1	30%		

(a) Analysis performed at SGS Scott, LA.

ND = Not detected MDL = Method Detection Limit

- RL = Reporting Limit
- E = Indicates value exceeds calibration range
- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

3.18 **3**

SGS

	mple ID: 10 @ 5.	-					
Lab Sam	ple ID: TD2493	38-10				Date Sampled:	07/31/18
Matrix:	SO - So	il				Date Received:	08/01/18
Method:	SW846	8260C				Percent Solids:	92.7
Project:	BROAL	DTXB: Pil	lot Crude Hauling/S	pill Ja	l, NM/ 18-07-1	01-13107	
	File ID	DF	Analyzed	By	Prep Date	Prep Batc	h Analytical Batch
Run #1	Y1098356.D	1	08/02/18 04:19	FI	n/a	n/a	VY4815
Run #2							
	Initial Weight	Final V	olume				
	4.41 g	5.0 ml					

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2 108-88-3 100-41-4 1330-20-7 1634-04-4	Benzene Toluene Ethylbenzene Xylene (total) Methyl Tert Butyl Ether	ND ND ND ND ND	$\begin{array}{c} 0.0049\\ 0.0049\\ 0.0049\\ 0.0049\\ 0.0049\\ 0.0049\end{array}$	0.0016 0.0016 0.0017 0.0016 0.0013	mg/kg mg/kg mg/kg mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
1868-53-7 2037-26-5 460-00-4 17060-07-0	Dibromofluoromethane Toluene-D8 4-Bromofluorobenzene 1,2-Dichloroethane-D4	104% 110% 99% 103%		59-12 70-13 63-13 54-12	39% 38%	

- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound



TD24938

3.19 **3**

Chloride

Solids, Percent

		nepo		u y 515			ruge r or
Client Sample ID:	10 @ 5.5'						
Lab Sample ID:	TD24938-10				Date Sample	ed: 07/31/18	
Matrix:	SO - Soil				Date Receive	ed: 08/01/18	
					Percent Soli	ds: 92.7	
Project:	BROADTXB: Pilot C	rude Hauli	ng/Spill Jal,	NM/ 18-	07-101-13107		
General Chemistry	,						
Analyte	Result	RL	Units	DF	Analyzed	By Metho	d

mg/kg

%

1

1

5.3

< 5.3

92.7

08/01/18 21:29 LR

BS

08/01/18

EPA 300.0

SM 2540 G

3.19



			Report	of An	alysis			Page 1 of 1
Client Sam Lab Samp Matrix: Method: Project:	le ID: TD24 SO - S SW84	938-10A soil 6 8015C S	W846 5035 ot Crude Hauling/S	Spill Jal,	NM/ 18-	Date Perce	Received: 0 ent Solids: 9	07/31/18 08/01/18 02.7
Run #1 ^a Run #2	File ID LA307190.D	DF 1	Analyzed 08/02/18 16:39	By Ala	Prep D 08/02/1	ate 8 09:39	Prep Batch n/a	Analytical Batch L:GLA1970
Run #1 Run #2	Initial Weight 4.70 g	Final Vo 5.0 ml	Dume Meth 100 u	n anol Al 11	iquot			
CAS No.	Compound		Result	RL	MDL	Units	Q	
	TPH-GRO (C	6-C10)	3.73	6.1	3.0	mg/kg	J	
CAS No.	Surrogate Re	coveries	Run# 1	Run# 2	Lim	its		
460-00-4 540-36-3	4-Bromofluor 1,4-Difluorob	oconcente	91% 97%		63-1 52-1	39% 40%		

(a) Analysis performed at SGS Scott, LA.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound



E = Indicates value exceeds calibration range

			Report	of An	alysis			Page 1 of 1
Client San Lab Samp Matrix: Method: Project:	le ID: TD2493 SO - So SW846	38-10A bil 8015C SW	/846 3546 Crude Hauling/S	Spill Jal,	NM/ 18-	Date Perce	Received: 08 ent Solids: 92	7/31/18 3/01/18 2.7
Run #1 ^a Run #2	File ID S0008764.D	DF 1	Analyzed 08/03/18 05:40	By ALA	Prep D 08/02/1	ate 8 11:00	Prep Batch L:OP11900	Analytical Batch L:GLG703
Run #1 Run #2	Initial Weight 20.2 g	Final Volu 1.0 ml	ıme					
CAS No.	Compound		Result	RL	MDL	Units	Q	
	TPH-DRO (C1 TPH-ORO (C2	,	1.64 0.838	5.3 5.3	0.46 0.55	mg/kg mg/kg	J J	
CAS No.	Surrogate Rec	coveries	Run# 1	Run# 2	Lim	its		
84-15-1	o-Terphenyl		72%		31-1	30%		

(a) Analysis performed at SGS Scott, LA.

ND = Not detected MDL = Method Detection Limit

- RL = Reporting Limit
- E = Indicates value exceeds calibration range
- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

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SGS

Client Sa Lab Sam Matrix: Method: Project:	SO - So SW846	38-11 pil 8260C	lot Crude Hauling/S	pill Ja	1. NM/ 18-07-	Date Sampled: Date Received: Percent Solids: 101-13107	
Run #1 Run #2	File ID Y1098357.D	DF 1	Analyzed 08/02/18 04:47	By	Prep Date n/a	Prep Batc n/a	h Analytical Batch VY4815
Run #1 Run #2	Initial Weight 5.10 g	Final V 5.0 ml	olume				

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2 108-88-3 100-41-4 1330-20-7 1634-04-4	Benzene Toluene Ethylbenzene Xylene (total) Methyl Tert Butyl Ether	0.0170 0.0251 0.0060 0.0247 ND	0.0044 0.0044 0.0044 0.0044 0.0044	0.0014 0.0014 0.0015 0.0015 0.0012	mg/kg mg/kg mg/kg mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
1868-53-7 2037-26-5 460-00-4 17060-07-0	Dibromofluoromethane Toluene-D8 4-Bromofluorobenzene 1,2-Dichloroethane-D4	104% 108% 97% 106%		59-12 70-13 63-13 54-12	39% 38%	

- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound



3.21

Page 1 of 1

Chloride

Solids, Percent

		Repo	ort of Ar	alysis			Page 1 of 1
Client Sample ID:							
Lab Sample ID:	TD24938-11				Date Sampled:	07/31/18	
Matrix:	SO - Soil				Date Received:	: 08/01/18	
					Percent Solids:	89.3	
Project:	BROADTXB: Pilot C	rude Hauli	ng/Spill Jal,	NM/ 18-	07-101-13107		
General Chemistry							
Analyte	Result	RL	Units	DF	Analyzed	By Meth	od

mg/kg

%

1

1

08/01/18 21:46 LR

BS

08/01/18

EPA 300.0

SM 2540 G

5.6

< 5.6

89.3



3.21

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51 of 84 TD24938

			Report	of An	alysis			Page 1 of 1
Client San Lab Samp Matrix: Method: Project:	le ID: TD249 SO - So SW846	38-11A bil 5 8015C SV	W846 5035 ht Crude Hauling/S	Spill Jal,	NM/ 18-	Date Perce	Received: ent Solids:	07/31/18 08/01/18 89.3
Run #1 ^a Run #2	File ID LA307192.D	DF 1	Analyzed 08/02/18 17:01	By Ala	Prep D 08/02/1	ate 8 09:39	Prep Batch n/a	Analytical Batch L:GLA1970
Run #1 Run #2	Initial Weight 4.90 g	Final Vo 5.0 ml	lume Meth 100 u	n anol Al 11	iquot			
CAS No.	Compound		Result	RL	MDL	Units	Q	
	TPH-GRO (Ce	5-C10)	3.70	6.3	3.1	mg/kg	J	
CAS No.	Surrogate Re	coveries	Run# 1	Run# 2	Lim	its		
460-00-4 540-36-3	4-Bromofluoro 1,4-Difluorobe	o e indenie	91% 96%		63-1 52-1	39% 40%		

(a) Analysis performed at SGS Scott, LA.

ND = Not detected MDL = Method Detection Limit

- RL = Reporting Limit
- E = Indicates value exceeds calibration range
- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound



			Report	of An	alysis			Page 1 of 1
Client San Lab Samp Matrix: Method: Project:	le ID: TD249 SO - S SW84	938-11A oil 6 8015C S'	W846 3546 ot Crude Hauling/S	Spill Jal,	NM/ 18-	Date Perce	Received: 08 ent Solids: 89	//31/18 5/01/18 0.3
Run #1 ^a Run #2	File ID S0008765.D	DF 1	Analyzed 08/03/18 06:01	By Ala	Prep D 08/02/1	ate 8 11:00	Prep Batch L:OP11900	Analytical Batch L:GLG703
Run #1 Run #2	Initial Weight 20.3 g	Final Vo 1.0 ml	blume					
CAS No.	Compound		Result	RL	MDL	Units	Q	
	TPH-DRO (C TPH-ORO (C	,	1.75 0.799	5.5 5.5	0.48 0.57	mg/kg mg/kg] J	
CAS No.	Surrogate Re	coveries	Run# 1	Run# 2	Lim	its		
84-15-1	o-Terphenyl		68%		31-1	30%		

(a) Analysis performed at SGS Scott, LA.

ND = Not detected MDL = Method Detection Limit

- RL = Reporting Limit
- E = Indicates value exceeds calibration range
- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

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3.22

Lab Sampl	ple ID: 12 @ 4' le ID: TD2493				De	ate Sampled: 07	//31/18
Matrix:	SO - So					1	8/01/18
Method:	SW846	8260C			Pe	ercent Solids: 78	3.7
Project:	BROAD	TXB: Pilo	ot Crude Hauling/S	pill Jal	, NM/ 18-07-101	-13107	
	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y1098358.D	1	08/02/18 05:15	FI	n/a	n/a	VY4815
Run #2							
	Initial Weight	Final Vo	lume				
	0	5.0 ml					

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2 108-88-3 100-41-4 1330-20-7 1634-04-4	Benzene Toluene Ethylbenzene Xylene (total) Methyl Tert Butyl Ether	ND ND ND ND ND	$\begin{array}{c} 0.0065\\ 0.0065\\ 0.0065\\ 0.0065\\ 0.0065\end{array}$	0.0021 0.0021 0.0023 0.0022 0.0018	mg/kg mg/kg mg/kg mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
1868-53-7 2037-26-5 460-00-4 17060-07-0	Dibromofluoromethane Toluene-D8 4-Bromofluorobenzene 1,2-Dichloroethane-D4	108% 108% 97% 104%		59-12 70-13 63-13 54-12	39% 38%	

- J = Indicates an estimated value
- $B = \ Indicates \ analyte \ found \ in \ associated \ method \ blank$
- N = Indicates presumptive evidence of a compound



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Page 1 of 1

Chloride

Solids, Percent

Analyte	Result	RL	Units	DF	Analyzed	By Method	d
General Chemistry							
Project:	BROADTXB: Pilot C	Crude Hauli	ng/Spill Jal,	NM/ 18-	07-101-13107		
Matrix:	SO - Soil				Date Receiv Percent Soli	ved: 08/01/18 ids: 78.7	
Lab Sample ID:	TD24938-12				Date Sampl		
Client Sample ID:	12 @ 4'						

mg/kg

%

1

1

08/01/18 22:03 LR

BS

08/01/18

6.3

19.7

78.7

Page 1 of 1

EPA 300.0

SM 2540 G

ω

3.23


			Report	of An	alysis			Page 1 of 1	
Client San Lab Samp Matrix: Method: Project:	le ID: TD249 SO - S SW84	938-12A soil 6 8015C S	W846 5035 ot Crude Hauling/S	Spill Jal,	NM/ 18-	Date Date Perc 07-101-1	07/31/18 08/01/18 78.7		
Run #1 ^a Run #2	File ID LA307198.D	DF 1	Analyzed 08/02/18 18:07	By ALA	Prep D 08/02/1	ate 8 09:39	Prep Batch n/a	Analytical Batch L:GLA1970	
Run #1 Run #2	Initial Weight 5.40 g	Final Vo 5.0 ml	Dume Meth 100 t	n anol Al 11	iquot				
CAS No.	Compound		Result	RL	MDL	Units	Q		
	TPH-GRO (C	6-C10)	ND	7.2	3.5	mg/kg			
CAS No.	Surrogate Re	coveries	Run# 1	Run# 2	Lim	its			
460-00-4 540-36-3	4-Bromofluor 1,4-Difluorob	ocontenie	91% 96%		63-1 52-1				

(a) Analysis performed at SGS Scott, LA.

ND = Not detected MDL = Method Detection Limit

- RL = Reporting Limit
- E = Indicates value exceeds calibration range
- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

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SGS North America Inc.

			Report	of An	alvsis			Page 1 of 1
Client Sam Lab Samp Matrix: Method: Project:	le ID: TD2493 SO - So SW846	38-12A bil 8015C SW	-			Date Perce	Received: 08 ent Solids: 78	7/31/18 8/01/18 8.7
Run #1 ^a Run #2	File ID S0008766.D	DF 1	Analyzed 08/03/18 06:23	By ALA	Prep D 08/02/1	ate .8 11:00	Prep Batch L:OP11900	Analytical Batch L:GLG703
Run #1 Run #2	Initial Weight 20.2 g	Final Volu 1.0 ml	ıme					
CAS No.	Compound		Result	RL	MDL	Units	Q	
	TPH-DRO (C1 TPH-ORO (C2	,	3.15 0.809	6.3 6.3	0.54 0.65	mg/kg mg/kg	J J	
CAS No.	Surrogate Rec	overies	Run# 1	Run# 2	Lim	its		
84-15-1	o-Terphenyl		71%		31-1	30%		

(a) Analysis performed at SGS Scott, LA.

ND = Not detected MDL = Method Detection Limit

- RL = Reporting Limit
- E = Indicates value exceeds calibration range
- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound



Lab Sam	ple ID: TD249		0.1			I	7/31/18
Matrix:		rip Blank	Soll			ate Received: 08	
Method:	SW84	6 8260C			Pe	ercent Solids: n/	a
Project:	BROA	DTXB: Pi	lot Crude Hauling/S	pill Jal	, NM/ 18-07-101	1-13107	
	FU ID	DE	A J J	D	Duon Doto		
	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	File ID Y1098346.D	DF 1	08/01/18 23:37	•	n/a	n∕a	Analytical Batch VY4815
Run #1 Run #2		DF 1	•	•	-	-	-
		1	08/01/18 23:37	•	-	-	-
	Y1098346.D	1	08/01/18 23:37	•	-	-	-

Report of Analysis

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2 108-88-3 100-41-4 1330-20-7 1634-04-4	Benzene Toluene Ethylbenzene Xylene (total) Methyl Tert Butyl Ether	ND ND ND ND ND	$\begin{array}{c} 0.0040\\ 0.0040\\ 0.0040\\ 0.0040\\ 0.0040\\ 0.0040 \end{array}$	0.0013 0.0013 0.0014 0.0013 0.0011	mg/kg mg/kg mg/kg mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
1868-53-7 2037-26-5 460-00-4 17060-07-0	Dibromofluoromethane Toluene-D8 4-Bromofluorobenzene 1,2-Dichloroethane-D4	104% 109% 95% 101%		59-12 70-13 63-13 54-12	39% 38%	

- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound



Page 1 of 1

TD24938



Section 4

Misc. Forms

Houston, TX

Custody Documents and Other Forms

Includes the following where applicable:

• Chain of Custody

r							-	******		۱	8-07	7-10)-	- 1310	7							and the second s	MD24938
CHAIN OF C					.	-							. 1						P			NT & ASSOCIATES, IN
Project No./PFJ C	ode: Filot	Lrude H	aulin	<u>s/</u>)	<u>p;11</u>	Sa	, NM	Proje	ect Na	me:	2:10+	Crud	ke Ha	aulin	g 100	1661 2	pill - :	541, N	<u>)</u> m			ATER RESOURCES & ENVIRONMEN
		,																		5.	112	DENVER • LAS VEGAS RENO IGO • VACAVILLE
Sampler Name: (-hris	Lanc	1]	Labo	ratory	/Narr	ne: SI	GS 1	Acu	itest	- (ŀ	lous	ton)					www.broadbentinc.com
		llection	-	T	Matri			Provincia da la composición de la compo	rvati		T											
			Τ	<u> </u>			Ť	Test	rvan	<u>0n</u>	+	T	1	equest	ed Anal	lyses	T	T	-			Page of
			No. of Containers	Soil/Solid	Water/Liquid	Air/Vapor	Unpreserved (Ice Only)	DI Water	Mentnanol HCL	Other	BTXE/MTBE -EPA 8021(8260)	TPH EPA 603/TX 1005	IF TPH in DRO or ORO: PAH - EPA 8270	E	Chlorides SM4500						concent for PA	<u>Special Instructions:</u> the sample with the highest de raction of TPH in the DRO + (H. Only analyze ONE (1) sam n each matrix unless instructed otherwise.
Sample I.D.	Date	Time	Z	Š	12	×	<u>o</u>	ā	Ē	0	E	Ē	H	RCI	<u>b</u>				La	b. No.		COMMENTS
1@5' 2@5.5`	7/31/18		17	Ķ	$\left - \right $	_	Χŀ	×μ	<u> </u>		译	ѷ			\bowtie		13.A.	GG			XXI	
3 @ 5.5		0905	++	\vdash	$\left - \right $		++	++	\square			++						00.3	10	SY:	44	
3 @ 5.5		0929	++-	\mathbb{H}	$\left - \right $	-+	╉	\square	_		┣-{		<u> </u>		+		ļ			•	$ T\rangle$	
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6 @ 5'	+	1010	++		$\left - \right $	-+	╫	\square			⊢⊢-				+	·'	11.2	517F	tr)	<u>01</u> :		+1
7 @ 5.5		1022	++	\square	$\left \right $	-+	++	$\left \right $	_	+			<u> </u>	+	+		ļ			~ ~ •	the	
8 @ 5		1045	++	\vdash	\vdash	+	++	H_{1}			\vdash				+				┨			
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11 @ 8'		1140	++	\mathbb{H}		-+	21								+++						cla	ng@broadbentinc.com
12 @ 4'	1	1200	15	\mathbf{V}	- +	-	+.	\mathbb{R}	/		15	$\left \right $			$\left \right $							
		1200		V			∄				\vdash	V			$ \vee $							
Trip Blanks			2				~					ļ	ļ									e): CH - (P) - ND - MW
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(Jon	1	/				53					1			****						4 hour:	s	Broadbent & Associates,
Relinquished by: 0	der	dok	Date	:	,	Time:	R	eceiv	ed by:	(1.		4	Date:	190	71	cc	Time:	□sı	tandard	d	113 Falls Court STE 700
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Relinquished by:			Date	:	,	Time:	R	eceiv	ed for	Labor	atory b	y:		Date:				Time:		Bill to:	Broadbent	Phone (830)816-5434
			****								-								Ø	Bill to:	Pilot	Fax (830)816-5436
White Copy - Laborator	y. Yellow Cop	py - Consulta	ant.				T													Bill to:	831	St Email:
							una de la compañía de	-		*********		NAMES OF TAXABLE PARTY.	MANUS MUSICOLO				-		A			

TD24938: Chain of Custody Page 1 of 7

SGS

4.1 **4**



TD24938: Chain of Custody Page 2 of 7



SGS Sample Receipt Summary

Page 1 of 5

4.1 **4**

Job Number: TD24938 Client: BROADE				ROADBENT Project: PILOT CRUD							
Date / Time Received: 8/1/20	18 9:55:0	MA 0	Delivery I	Method:		Airbill #'s: 674687986934					
No. Coolers: 1	Therm II	D: IR-5;	-			Temp Adjustment Factor: 0;					
Cooler Temps (Initial/Adjusted): <u>#1: (</u> 2	2.3/2.3);									
Cooler Security Y	or N			<u>Y</u> or	<u>N</u>	Sample Integrity - Documentation	Y	or	N		
1. Custody Seals Present:			C Present:			1. Sample labels present on bottles:	\checkmark				
2. Custody Seals Intact:		4. Smpl D	Dates/Time OK	\checkmark		2. Container labeling complete:	\checkmark				
Cooler Temperature	Y or	N				3. Sample container label / COC agree:	\checkmark				
1. Temp criteria achieved:						Sample Integrity - Condition	Y	or	N		
2. Cooler temp verification:						1. Sample recvd within HT:	\checkmark				
3. Cooler media:	Ice (I	Зад)				2. All containers accounted for:	\checkmark				
Quality Control_Preservation	<u>Y</u> or	<u>N</u>	N/A	WTB	<u>STB</u>	3. Condition of sample:		Intact			
1. Trip Blank present / cooler:	\checkmark					Sample Integrity - Instructions	Y	or	N	N/A	
2. Trip Blank listed on COC:	✓					1. Analysis requested is clear:	\checkmark				
3. Samples preserved properly:	\checkmark					2. Bottles received for unspecified tests					
4. VOCs headspace free:			\checkmark			3. Sufficient volume recvd for analysis:	\checkmark				
						4. Compositing instructions clear:				\checkmark	
						5. Filtering instructions clear:				\checkmark	
Comments											

TD24938: Chain of Custody Page 3 of 7





Page 2 of 5

Job #: TD24938

1

TD24938-4

2oz

2

4-18

N/P

Date / Time Received: 8/1/2018 9:55:00 AM 9:55:00

Initials: DS

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	рН	Therm ID	Initial Temp	Therm CF	Corrected Temp
1	TD24938-1	4oz	1	SUB	N/P	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-1	2oz	2	4-18	N/P	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-1	40ml	3	TPHFREEZER	N/P	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-1	40ml	4	TPHFREEZER	N/P	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-1	40ml	5	VR	DI H2O	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-1	40ml	6	VR	DI H2O	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-1	40ml	7	VR	MeOH	Note #1 - Preservative to be checked by analyst at the instrument.	IR-5	2.3	0	2.3
1	TD24938-2	4oz	1	SUB	N/P	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-2	2oz	2	4-18	N/P	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-2	40ml	3	TPHFREEZER	N/P	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-2	40ml	4	TPHFREEZER	N/P	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-2	40ml	5	VR	DI H2O	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-2	40ml	6	VR	DI H2O	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-2	40ml	7	VR	MeOH	Note #1 - Preservative to be checked by analyst at the instrument.	IR-5	2.3	0	2.3
1	TD24938-3	4oz	1	SUB	N/P	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-3	2oz	2	4-18	N/P	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-3	40ml	3	TPHFREEZER	N/P	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-3	40ml	4	TPHFREEZER	N/P	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-3	40ml	5	VR	DI H2O	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-3	40ml	6	VR	DI H2O	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-3	40ml	7	VR	MeOH	Note #1 - Preservative to be checked by	IR-5	2.3	0	2.3
1	TD24938-4	4oz	1	SUB	N/P	analvst at the instrument. Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3

Note #2 - Preservative check not applicable.

TD24938: Chain of Custody Page 4 of 7

0

2.3

IR-5

2.3





Page 3 of 5

Job #: TD24938

Client: SGS

Date / Time Received: 8/1/2018 9:55:00 AM 9:55:00

Initials: DS

Initial Therm Corrected Cooler # Sample ID: Vol Bot # Location Pres pН Therm ID Temp CF Temp TPHFREEZER 1 TD24938-4 40ml 3 N/P Note #2 - Preservative check not applicable. IR-5 2.3 0 2.3 TD24938-4 TPHFREEZER 1 40ml 4 N/P Note #2 - Preservative check not applicable IR-5 23 0 23 1 TD24938-4 40ml 5 VR DI H2O Note #2 - Preservative check not applicable IR-5 2.3 0 2.3 TD24938-4 40ml 6 VR DI H2O Note #2 - Preservative check not applicable IR-5 2.3 0 2.3 1 TD24938-4 40ml VR MeOH Note #1 - Preservative to be checked by IR-5 2.3 0 2.3 1 7 analyst at the instrument. Note #2 - Preservative check not applicable. 1 TD24938-5 4oz 1 SUB N/P IR-5 2.3 0 2.3 TD24938-5 N/P Note #2 - Preservative check not applicable 23 1 2oz 2 4-18 IR-5 23 0 TD24938-5 TPHFREEZER N/P Note #2 - Preservative check not applicable IR-5 2.3 1 40ml 3 2.3 0 TPHFREEZER Note #2 - Preservative check not applicable. TD24938-5 4 N/P IR-5 2.3 0 2.3 1 40ml TD24938-5 DI H2O Note #2 - Preservative check not applicable IR-5 2.3 0 2.3 1 40ml 5 VR 1 TD24938-5 40ml 6 VR DI H2O Note #2 - Preservative check not applicable. IR-5 2.3 0 2.3 Note #1 - Preservative to be checked by analyst at the instrument. 1 TD24938-5 40ml 7 VR MeOH IR-5 23 0 23 Note #2 - Preservative check not applicable. 1 TD24938-6 4oz 1 SUB N/P IR-5 2.3 0 2.3 TD24938-6 N/P Note #2 - Preservative check not applicable. 1 2oz 2 4-18 IR-5 2.3 0 2.3 1 TD24938-6 40ml 3 TPHFREEZER N/P Note #2 - Preservative check not applicable. IR-5 2.3 0 2.3 1 TD24938-6 4 TPHFREEZER N/P 2.3 0 2.3 40ml Note #2 - Preservative check not applicable IR-5 TD24938-6 5 DI H2O Note #2 - Preservative check not applicable IR-5 2.3 0 2.3 1 40ml VR Note #2 - Preservative check not applicable. 1 TD24938-6 40ml 6 VR DI H2O IR-5 2.3 0 2.3 TD24938-6 7 VR Note #1 - Preservative to be checked by 23 1 40ml MeOH IR-5 2.3 0 analvst at the instrument. Note #2 - Preservative check not applicable. TD24938-7 SUB N/P 2.3 IR-5 0 2.3 1 4oz 1 TD24938-7 2 N/P IR-5 2.3 0 2.3 2oz 4-18 Note #2 - Preservative check not applicable. 1 TD24938-7 TPHFREEZER N/P Note #2 - Preservative check not applicable 1 40ml 3 IR-5 2.3 0 2.3 1 TD24938-7 40ml 4 TPHFREEZER N/P Note #2 - Preservative check not applicable. IR-5 2.3 0 2.3

> TD24938: Chain of Custody Page 5 of 7



Page 4 of 5

Job #: TD24938

Date / Time Received: 8/1/2018 9:55:00 AM 9:55:00

Initials: DS

Client:	SGS

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	На	Therm ID	Initial Temp	Therm CF	Corrected Temp
1	TD24938-7	40ml	5	VR	DI H2O	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-7	40ml	6	VR	DI H2O	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-7	40ml	7	VR	MeOH	Note #1 - Preservative to be checked by	IR-5	2.3	0	2.3
1	TD24938-8	4oz	1	SUB	N/P	analyst at the instrument. Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-8	2oz	2	4-18	N/P	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-8	40ml	3	TPHFREEZER	N/P	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-8	40ml	4	TPHFREEZER	N/P	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-8	40ml	5	VR	DI H2O	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-8	40ml	6	VR	DI H2O	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-8	40ml	7	VR	MeOH	Note #1 - Preservative to be checked by analyst at the instrument.	IR-5	2.3	0	2.3
1	TD24938-9	4oz	1	SUB	N/P	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-9	2oz	2	4-18	N/P	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-9	40ml	3	TPHFREEZER	N/P	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-9	40ml	4	TPHFREEZER	N/P	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-9	40ml	5	VR	DI H2O	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-9	40ml	6	VR	DI H2O	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-9	40ml	7	VR	MeOH	Note #1 - Preservative to be checked by analyst at the instrument.	IR-5	2.3	0	2.3
1	TD24938-10	4oz	1	SUB	N/P	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-10	2oz	2	4-18	N/P	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-10	40ml	3	TPHFREEZER	N/P	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-10	40ml	4	TPHFREEZER	N/P	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-10	40ml	5	VR	DI H2O	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-10	40ml	6	VR	DI H2O	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3

TD24938: Chain of Custody Page 6 of 7



Page 5 of 5

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Job #: TD24938

Date / Time Received: 8/1/2018 9:55:00 AM 9:55:00

Initials: DS

Client: SGS

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	рН	Therm ID	Initial Temp	Therm CF	Corrected Temp
1	TD24938-10	40ml	7	VR	MeOH	Note #1 - Preservative to be checked by analyst at the instrument.	IR-5	2.3	0	2.3
1	TD24938-11	4oz	1	SUB	N/P	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-11	2oz	2	4-18	N/P	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-11	40ml	3	TPHFREEZER	N/P	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-11	40ml	4	TPHFREEZER	N/P	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-11	40ml	5	VR	DI H2O	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-11	40ml	6	VR	DI H2O	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-11	40ml	7	VR	MeOH	Note #1 - Preservative to be checked by analyst at the instrument.	IR-5	2.3	0	2.3
1	TD24938-12	4oz	1	SUB	N/P	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-12	2oz	2	4-18	N/P	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-12	40ml	3	TPHFREEZER	N/P	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-12	40ml	4	TPHFREEZER	N/P	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-12	40ml	5	VR	DI H2O	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-12	40ml	6	VR	DI H2O	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-12	40ml	7	VR	MeOH	Note #1 - Preservative to be checked by analyst at the instrument.	IR-5	2.3	0	2.3
1	TD24938-13	40ml	1	VR	DI H2O	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3
1	TD24938-13	40ml	2	VR	DI H2O	Note #2 - Preservative check not applicable.	IR-5	2.3	0	2.3

TD24938: Chain of Custody Page 7 of 7







MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

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Method Blank Summary Job Number: TD24938

Project:	BROADTXB: Pil	lot Crude	Hauling/Spill Ja	al, NM/	18-07-101-1310	7	
Sample VY4815-MB	File ID Y1098345.D	DF 1	Analyzed 08/01/18	By FI	Prep Date n/a	Prep Batch n/a	Analytical Batch VY4815
The QC repor	ted here applies to	the follo	wing samples:			Method: SW84	6 8260C

TD24938-1, TD24938-2, TD24938-3, TD24938-4, TD24938-5, TD24938-6, TD24938-7, TD24938-8, TD24938-9, TD24938-10, TD24938-11, TD24938-12, TD24938-13

CAS No.	Compound	Result	RL	MDL	Units Q
71-43-2	Benzene	ND	4.0	1.3	ug/kg
100-41-4	Ethylbenzene	ND	4.0	1.4	ug/kg
1634-04-4	Methyl Tert Butyl Ether	ND	4.0	1.1	ug/kg
108-88-3	Toluene	ND	4.0	1.3	ug/kg
1330-20-7	Xylene (total)	ND	4.0	1.3	ug/kg

CAS No.	Surrogate Recoveries		Limits
2037-26-5 460-00-4	Dibromofluoromethane Toluene-D8 4-Bromofluorobenzene 1,2-Dichloroethane-D4	107% 108% 96% 106%	59-126% 70-139% 63-138% 54-123%



Page 1 of 1

Blank Spike/Blank Spike Duplicate Summary

Job Number:	TD24938
Account:	PILOTSS Pilot Travel Centers LLC
Project:	BROADTXB: Pilot Crude Hauling/Spill Jal, NM/ 18-07-101-13107

The QC reported here applies to the following samples:

Method: SW846 8260C

TD24938-1, TD24938-2, TD24938-3, TD24938-4, TD24938-5, TD24938-6, TD24938-7, TD24938-8, TD24938-9, TD24938-10, TD24938-11, TD24938-12, TD24938-13

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP g %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	50	41.0	82	39.5	79	4	58-124/30
100-41-4	Ethylbenzene	50	40.4	81	39.6	79	2	57-124/30
1634-04-4	Methyl Tert Butyl Ether	50	43.1	86	42.1	84	2	65-119/30
108-88-3	Toluene	50	40.7	81	39.5	79	3	67-119/30
1330-20-7	Xylene (total)	150	119	79	116	77	3	62-120/30
CAS No.	Surrogate Recoveries	BSP	F	SD	Limits			
1868-53-7	Dibromofluoromethane	104%	1	03%	59-1269	6		
2037-26-5	Toluene-D8	100%	1	00%	70-1399	6		
460-00-4	4-Bromofluorobenzene	97%	9	7%	63-1389	6		

94%

54-123%

97%

(a) Insufficient sample available for MS/MSD.

17060-07-0 1,2-Dichloroethane-D4

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Houston, TX

Section 6

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries



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METHOD BLANK AND SPIKE RESULTS SUMMARY GENERAL CHEMISTRY

Login Number: TD24938 Account: PILOTSS - Pilot Travel Centers LLC Project: BROADTXB: Pilot Crude Hauling/Spill Jal, NM/ 18-07-101-13107

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chloride	GP48841/GN91692	5.0	0.0	mg/kg	100	96.1	96.1	90-110%
Chloride	GP48842/GN91692	5.0	0.0	mg/kg	100	97.7	97.7	90-110%

Associated Samples:

Batch GP48841: TD24938-1, TD24938-2, TD24938-3, TD24938-4, TD24938-5, TD24938-6, TD24938-7, TD24938-8, TD24938-9, TD24938-10

Batch GP48842: TD24938-11, TD24938-12 (*) Outside of QC limits

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DUPLICATE RESULTS SUMMARY GENERAL CHEMISTRY

Login Number: TD24938 Account: PILOTSS - Pilot Travel Centers LLC Project: BROADTXB: Pilot Crude Hauling/Spill Jal, NM/ 18-07-101-13107

Analyte	Batch ID	QC Sample	Units	Origina Result	l DUP Result	RPD	QC Limits	
Chloride Chloride Solids, Percent	GP48841/GN91692 GP48842/GN91692 GN91680	TD24938-1 TD24938-12 LA46123-1	mg/kg mg/kg %	7.8 19.7 90.5	7.7 19.4 90.4	1.3 1.5 0.1	0-20% 0-20% 0-5%	_
Associated Samples: Batch GN91680: TD24938-1, TD24 10, TD24938-11, TD24938-12	1938-2, TD24938-3,	TD24938-4, T	D24938-5,	TD24938-6,	TD24938-7,	TD24938-8, '	TD24938-9, TD24938-	6.2
Batch GP48841: TD24938-1, TD24 10 Batch GP48842: TD24938-1, TD24		TD24938-4, T	D24938-5,	TD24938-6,	TD24938-7,	TD24938-8, '	ID24938-9, TD24938-	6

(*) Outside of QC limits





MATRIX SPIKE RESULTS SUMMARY GENERAL CHEMISTRY

Login Number: TD24938 Account: PILOTSS - Pilot Travel Centers LLC Project: BROADTXB: Pilot Crude Hauling/Spill Jal, NM/ 18-07-101-13107

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chloride	GP48841/GN91692	TD24938-1	mg/kg	7.8	107	115	100.1	80-120%
Chloride	GP48842/GN91692	TD24938-12	mg/kg	19.7	127	154	105.9	80-120%

Associated Samples:

Batch GP48841: TD24938-1, TD24938-2, TD24938-3, TD24938-4, TD24938-5, TD24938-6, TD24938-7, TD24938-8, TD24938-9, TD24938-6.3 10

Batch GP48842: TD24938-11, TD24938-12

(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

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Houston, TX



Misc. Forms

Custody Documents and Other Forms

(SGS Scott, LA)

Includes the following where applicable:

• Chain of Custody



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Inf America Inc. Description of the merica I of dimension () of d |

TD24938: Chain of Custody Page 1 of 2 SGS Scott, LA

SGS

7.1

7

SGS Sample Receipt Summary

	D24938		Client:	SGS NORTH AME	RICA		Project: BROADTXB			
Date / Time Received: 8	/2/2018	8:30:00 A	M	Delivery Method:	Ac	cutest Courier	Airbill #'s:			
Cooler Temps (Initial/Adju	sted):	<u>#1: (1.8/1</u>	<u>.8);</u>							
1. Custody Seals Present:			3. COC Pr Smpl Dates		• <u>N</u>		ity - Documentation s present on bottles: eling complete:	Y V V	or N	
Cooler Temperature	<u> </u>	or N				3. Sample conta	ainer label / COC agree:	\checkmark		
 Temp criteria achieved: Thermometer ID: Cooler media: No. Coolers: 	Ice (DV439; (direct con	tact)			Sample Integr 1. Sample recvo 2. All containers 3. Condition of s	accounted for:	V	or N	
Quality Control Preservat	<u>ion Y</u>	or N	N/A			Sample Integ	rity - Instructions	Y	or N	N/A
 Trip Blank present / cooler: Trip Blank listed on COC: Samples preserved propertion 			>			1. Analysis req 2. Bottles recei				
4. VOCs headspace free:							instructions clear:			\checkmark
						5. Filtering inst	ructions clear:			\checkmark

TD24938: Chain of Custody Page 2 of 2







GC Volatiles

QC Data Summaries

(SGS Scott, LA)

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries



Method Blank Summary

Job Number: Account:	TD24938 ALGC SGS Hous	ston, TX					
Project:	PILOTSS: BROA	DTXB:	Pilot Crude Hau	ling/Spil	l Jal, NM/ 18-07	7-101-13107	
Sample GLA1970-MB2	File ID LA307164.D	DF 1	Analyzed 08/02/18	By MB	Prep Date n/a	Prep Batch n/a	Analytical Batch GLA1970
The QC report	ed here applies to	the follo	wing samples:			Method: SW84	6 8015C
,	D24938-2A, TD2	,	,		3-5A, TD24938-	6A, TD24938-7	A, TD24938-8A,

TD24938-9A, TD24938-10A, TD24938-11A, TD24938-12A

CAS No.	Compound	Result	RL	MDL	Units Q
	TPH-GRO (C6-C10)	ND	5.0	2.4	mg/kg
CAS No.	Surrogate Recoveries		Limits		

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Blank Spike/Blank Spike Duplicate Summary

Job Number:	TD24938
Account:	ALGC SGS Houston, TX
Project:	PILOTSS: BROADTXB: Pilot Crude Hauling/Spill Jal, NM/ 18-07-101-13107

SampleFile IDDFAnalyzedByPrep DatePredGLA1970-BS2LA307160.D108/02/18MBn/an/aGLA1970-BSD2LA307162.D108/02/18MBn/an/a	alytical Batch A1970 A1970	
---	----------------------------------	--

The QC reported here applies to the following samples:

Method: SW846 8015C

TD24938-1A, TD24938-2A, TD24938-3A, TD24938-4A, TD24938-5A, TD24938-6A, TD24938-7A, TD24938-8A, TD24938-9A, TD24938-10A, TD24938-11A, TD24938-12A

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	50	52.3	105	50.0	100	4	79-121/6
CAS No.	Surrogate Recoveries	BSP	BS	D	Limits			
460-00-4 540-36-3	4-Bromofluorobenzene 1,4-Difluorobenzene	98% 104%	99% 106	•	63-139% 52-140%			

8.2.1



Page 1 of 1

Matrix Spike/Matrix Spike Duplicate Summary

Job Number:	TD24938
Account:	ALGC SGS Houston, TX
Project:	PILOTSS: BROADTXB: Pilot Crude Hauling/Spill Jal, NM/ 18-07-101-13107

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
TD24938-12AMS	LA307210.D	1	08/02/18	MB	n/a	n/a	GLA1970
TD24938-12AMSD	LA307212.D	1	08/02/18	MB	n/a	n/a	GLA1970
TD24938-12A	LA307198.D	1	08/02/18	MB	n/a	n/a	GLA1970

The QC reported here applies to the following samples:

Method: SW846 8015C

TD24938-1A, TD24938-2A, TD24938-3A, TD24938-4A, TD24938-5A, TD24938-6A, TD24938-7A, TD24938-8A, TD24938-9A, TD24938-10A, TD24938-11A, TD24938-12A

CAS No.	Compound	TD24938-12 mg/kg Q	2ASpike mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD	8.3.1
	TPH-GRO (C6-C10)	ND	145	142	98	145	141	97	1	79-121/6	8
CAS No.	Surrogate Recoveries	MS	MSD	TD	24938-12	ALimits					
460-00-4 540-36-3	4-Bromofluorobenzene 1,4-Difluorobenzene	98% 105%	99% 106%	91% 96%		63-139% 52-140%					

Page 1 of 1



TD24938





GC/LC Semi-volatiles

QC Data Summaries

(SGS Scott, LA)

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries



Method Blank Summary

ample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
P11900-MB	S0008747.D	1	08/02/18	JT	08/02/18	OP11900	GLG703

TD24938-1A, TD24938-2A, TD24938-3A, TD24938-4A, TD24938-5A, TD24938-6A, TD24938-7A, TD24938-8A, TD24938-9A, TD24938-10A, TD24938-11A, TD24938-12A

CAS No.	Compound	Result	RL	MDL	Units Q
	TPH-DRO (C10-C28) TPH-ORO (C28-C35)	ND ND	5.0 5.0	0.43 0.52	mg/kg mg/kg
CAS No.	Surrogate Recoveries		Limits		
84-15-1	o-Terphenyl	81%	31-130	%	

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Page 1 of 1





Blank Spike/Blank Spike Duplicate Summary

Job Number:	TD24938
Account:	ALGC SGS Houston, TX
Project:	PILOTSS: BROADTXB: Pilot Crude Hauling/Spill Jal, NM/ 18-07-101-13107

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP11900-BS1	S0008748.D	1	08/02/18	JT	08/02/18	OP11900	GLG703
OP11900-BSD1	S0008749.D	1	08/03/18	JT	08/02/18	OP11900	GLG703

The QC reported here applies to the following samples:

Method: SW846 8015C

TD24938-1A, TD24938-2A, TD24938-3A, TD24938-4A, TD24938-5A, TD24938-6A, TD24938-7A, TD24938-8A, TD24938-9A, TD24938-10A, TD24938-11A, TD24938-12A

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	150	128	85	123	82	4	60-115/46
CAS No.	Surrogate Recoveries	BSP	BSI)	Limits			
84-15-1	o-Terphenyl	92%	87%	ó	31-130%	ó		



Blank Spike/Blank Spike Duplicate Summary

Job Number:	TD24938
Account:	ALGC SGS Houston, TX
Project:	PILOTSS: BROADTXB: Pilot Crude Hauling/Spill Jal, NM/ 18-07-101-13107

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP11900-BS2	S0008750.D	1	08/03/18	JT	08/02/18	OP11900	GLG703
OP11900-BSD2	S0008751.D	1	08/03/18	JT	08/02/18	OP11900	GLG703

The QC reported here applies to the following samples:

Method: SW846 8015C

TD24938-1A, TD24938-2A, TD24938-3A, TD24938-4A, TD24938-5A, TD24938-6A, TD24938-7A, TD24938-8A, TD24938-9A, TD24938-10A, TD24938-11A, TD24938-12A

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH-ORO (C28-C35)	60	55.7	93	53.6	89	4	25-120/34
CAS No.	Surrogate Recoveries	BSP	BSI	D	Limits			
84-15-1	o-Terphenyl	83%	84%	ó	31-130%	ó		

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Houston, TX

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0 Automated Report

08/06/18

Technical Report for

Pilot Travel Centers LLC

BROADTXB: Pilot Crude Hauling/Spill Jal, NM/ 18-07-101-13107

SGS Job Number: TD25022



Sampling Date: 08/01/18

Report to:

Broadbent & Associates 113 Falls Court Suite 700 Boerne, TX 78006 chaugstad@broadbentinc.com; zgraves@broadbentind.com; ndunn@broadbentinc.com; asilvas@broadbentinc.com; **ATTN: Chris Haugstad**

Total number of pages in report: 49





Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Client Service contact: Sylvia Garza 713-271-4700

Certifications: TX (T104704220-18-30) AR (14-016-0) AZ (AZ0769) FL (E87628) KS (E-10366) LA (85695/04004) NJ (TX010) OK (2017-002) VA (8999)

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SGS North America Inc. • 10165 Harwin Drive • Suite 150 • Houston, TX 77036 • tel: 713-271-4700 • fax: 713-271-4770

Please share your ideas about how we can serve you better at: EHS.US.CustomerCare@sgs.com



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Sample Summary

Pilot Travel Centers LLC

Job No: TD25022

BROADTXB: Pilot Crude Hauling/Spill Jal, NM/ 18-07-101-13107

Sample Number	Collected Date	Time By	Received	Matri Code		Client Sample ID
TD25022-1	08/01/18	13:00 CL	08/02/18	SO	Soil	13 @ 4'
TD25022-1A	08/01/18	13:00 CL	08/02/18	SO	Soil	13 @ 4'
TD25022-2	08/01/18	14:12 CL	08/02/18	SO	Soil	14 @ 4'
TD25022-2A	08/01/18	14:12 CL	08/02/18	SO	Soil	14 @ 4'
TD25022-3	08/01/18	14:25 CL	08/02/18	SO	Soil	15 @ 2.5'
TD25022-3A	08/01/18	14:25 CL	08/02/18	SO	Soil	15 @ 2.5'
TD25022-4	08/01/18	14:35 CL	08/02/18	SO	Soil	16 @ 1'
TD25022-4A	08/01/18	14:35 CL	08/02/18	SO	Soil	16 @ 1'
TD25022-5	08/01/18	00:00 CL	08/02/18	AQ	Trip Blank Water	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Summary of Hits

Job Number:	TD25022
Account:	Pilot Travel Centers LLC
Project:	BROADTXB: Pilot Crude Hauling/Spill Jal, NM/ 18-07-101-13107
Collected:	08/01/18

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
TD25022-1	13 @ 4'					
Chloride		15.1	6.3		mg/kg	EPA 300.0
TD25022-1A	13 @ 4'					
TPH-GRO (C6-C TPH-DRO (C10- TPH-ORO (C28-	-C28) a	5.01 J 1.39 J 0.862 J	7.3 6.4 6.4	3.6 0.55 0.66	mg/kg mg/kg mg/kg	SW846 8015C SW846 8015C SW846 8015C
TD25022-2	14 @ 4'					
Chloride		18.4	6.4		mg/kg	EPA 300.0
TD25022-2A	14 @ 4'					
TPH-DRO (C10-	-C28) ^a	1.32 J	6.5	0.56	mg/kg	SW846 8015C
TD25022-3	15 @ 2.5'					
Chloride		19.7	6.6		mg/kg	EPA 300.0
TD25022-3A	15 @ 2.5'					
TPH-DRO (C10-	-C28) ^a	1.02 J	6.7	0.58	mg/kg	SW846 8015C
TD25022-4	16 @ 1'					
Chloride		16.3	6.2		mg/kg	EPA 300.0
TD25022-4A	16 @ 1'					
TPH-DRO (C10- TPH-ORO (C28-		1.70 J 1.29 J	6.3 6.3	0.55 0.66	mg/kg mg/kg	SW846 8015C SW846 8015C

TD25022-5 TRIP BLANK

No hits reported in this sample.

- (a) Analysis performed at SGS Scott, LA.
- (b) Analysis performed at SGS Scott, LA. Not Accreditable by TCEQ

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TD25022

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N



Houston, TX

ω Section 3

Sample Results

Report of Analysis





Lab Sam	mple ID: 13 @ 4 ple ID: TD250				Da	ate Sampled: 08	3/01/18
Matrix:	SO - So	oil					3/02/18
Method:	SW846	8260C			Pe	rcent Solids: 78	3.4
Project:	BROA	DTXB: Pi	lot Crude Hauling/S	pill Jal	, NM/ 18-07-101	-13107	
	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
					rop 2 are		
Run #1	Y1098383.D	1	08/02/18 17:48	FI	n/a	n/a	VY4816
	Y1098383.D	1	08/02/18 17:48	FI	n/a	n/a	VY4816
	Y1098383.D Initial Weight	1 Final V		FI	n/a	n/a	VY4816
Run #1 Run #2 Run #1		1 Final V 5.0 ml		FI	n/a	n/a	VY4816

Report of Analysis

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2 108-88-3 100-41-4 1330-20-7 1634-04-4	Benzene Toluene Ethylbenzene Xylene (total) Methyl Tert Butyl Ether	ND ND ND ND ND	0.0051 0.0051 0.0051 0.0051 0.0051	0.0016 0.0017 0.0018 0.0017 0.0014	mg/kg mg/kg mg/kg mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
1868-53-7 2037-26-5 460-00-4 17060-07-0	Dibromofluoromethane Toluene-D8 4-Bromofluorobenzene 1,2-Dichloroethane-D4	111% 110% 99% 108%		59-12 70-13 63-13 54-12	39% 38%	

- J = Indicates an estimated value
- $B = \ Indicates \ analyte \ found \ in \ associated \ method \ blank$
- N = Indicates presumptive evidence of a compound



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3.1 3.1

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SGS North America Inc.

Chloride

Solids, Percent

15.1

78.4

Lab Sample ID: Matrix:	TD25022-1 SO - Soil				Date Sampled: Date Received	
Deve to a to		N		NIN / 10	Percent Solids	: 78.4
Project:	BROADTXB: Pilot C	Trude Haulin	ng/Spill Jal,	NM/ 18-	0/-101-1310/	

mg/kg

%

1

1

08/02/18 19:01 LR

BS

08/03/18

6.3

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EPA 300.0

SM 2540 G

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<u>3</u>




			Report	of An	alysis			Page 1 of 1
Client Sample ID: 13 @ 4' Lab Sample ID: TD25022-1A Date Sampled: 08/01/18 Matrix: SO - Soil Date Received: 08/02/18 Method: SW846 8015C SW846 5035 Percent Solids: 78.4 Project: BROADTXB: Pilot Crude Hauling/Spill Jal, NM/ 18-07-101-13107 Date Sampled: 0.5 0.5								
Run #1 ^a Run #2	File ID LA307260.D	DF 1	Analyzed 08/03/18 08:56	By ALA	Prep D 08/03/1	ate 8 08:34	Prep Batch n/a	Analytical Batch L:GLA1971
Run #1 Run #2	Initial Weight 5.40 g	Final Vo 5.0 ml	lume Meth 100 r	hanol Al ul	iquot			
CAS No.	Compound		Result	RL	MDL	Units	Q	
	TPH-GRO (Ce	5-C10)	5.01	7.3	3.6	mg/kg	J	
CAS No.	Surrogate Rec	coveries	Run# 1	Run# 2	Lim	its		
460-00-4 540-36-3	4-Bromofluoro 1,4-Difluorobe	o enizente	92% 96%		63-1 52-1	39% 40%		

(a) Analysis performed at SGS Scott, LA.

ND = Not detected MDL = Method Detection Limit

- RL = Reporting Limit
- E = Indicates value exceeds calibration range
- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

8 of 49

TD25022



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			Report	of An	alysis			Page 1 of 1	
Client Sample ID: 13 @ 4' Lab Sample ID: TD25022-1A Matrix: SO - Soil Method: SW846 8015C SW846 8015C SW846 3546 Project: BROADTXB: Pilot Crude Hauling/Spill Jal, NM/ 18-07-101-13107									
Run #1 ^a Run #2	File ID S0008787.D	DF 1	Analyzed 08/05/18 23:23	By Ala	Prep D 08/03/1	ate 8 12:00	Prep Batch L:OP11913	Analytical Batch L:GLG704	
Run #1 Run #2	Initial Weight 20.0 g	Final Vol 1.0 ml	ume						
CAS No.	Compound		Result	RL	MDL	Units	Q		
	TPH-DRO (C10 TPH-ORO (C28		1.39 0.862	6.4 6.4	0.55 0.66	mg/kg mg/kg	J J		
CAS No.	Surrogate Reco	overies	Run# 1	Run# 2	Lim	its			
84-15-1	o-Terphenyl		65%		31-1	30%			

(a) Analysis performed at SGS Scott, LA.

(b) Not Accreditable by TCEQ

MDL = Method Detection Limit ND = Not detected

- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

3.2

9 of 49

TD25022

RL = Reporting Limit

E = Indicates value exceeds calibration range

Lab Sam	mple ID: 14 @ 4 ple ID: TD250				D	ate Sampled: 08	/01/18
Matrix:	SO - S	oil				-	/02/18
Method:	SW846	5 8260C			Р	ercent Solids: 76	.6
Project:	BROA	DTXB: Pi	lot Crude Hauling/S	pill Jal	, NM/ 18-07-10	1-13107	
	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y1098384.D	1	08/02/18 18:16	•	n/a	n/a	VY4816
Run #2							
	T */* 1 TT7 * 1 /	Final V	olume				
	Initial Weight						
Run #1	5.02 g	5.0 ml					

Report of Analysis

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2 108-88-3 100-41-4 1330-20-7 1634-04-4	Benzene Toluene Ethylbenzene Xylene (total) Methyl Tert Butyl Ether	ND ND ND ND ND	$\begin{array}{c} 0.0052 \\ 0.0052 \\ 0.0052 \\ 0.0052 \\ 0.0052 \\ 0.0052 \end{array}$	0.0017 0.0017 0.0018 0.0017 0.0014	mg/kg mg/kg mg/kg mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
1868-53-7 2037-26-5 460-00-4 17060-07-0	Dibromofluoromethane Toluene-D8 4-Bromofluorobenzene 1,2-Dichloroethane-D4	110% 110% 98% 108%		59-12 70-13 63-13 54-12	39% 38%	

- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound



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Page 1 of 1

Chloride

Solids, Percent

18.4

76.6

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Client Sample ID:	14 @ 4'						
Lab Sample ID:	TD25022-2				Date Sample	ed: 08/	/01/18
Matrix:	SO - Soil				Date Receiv	ed: 08/	/02/18
					Percent Soli	ds: 76	.6
Project:	BROADTXB: Pilot C	rude Hauli	ng/Spill Jal,	NM/ 18-	07-101-13107		
General Chemistry	,						
Analyte	Result	RL	Units	DF	Analyzed	By	Method

mg/kg

%

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08/02/18 19:52 LR

BS

08/03/18

6.4

Page 1 of 1

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			Report	of An	alysis			Page 1 of 1	
Client Sample ID: 14 @ 4' Lab Sample ID: TD25022-2A Date Sampled: 08/01/18 Matrix: SO - Soil Method: SW846 8015C SW846 8015C SW846 5035 Percent Solids: 76.6 Project: BROADTXB: Pilot Crude Hauling/Spill Jal, NM/ 18-07-101-13107									
Run #1 ^a Run #2	File ID LA307262.D	DF 1	Analyzed 08/03/18 09:18	By Ala	Prep D 08/03/1	ate 8 08:34	Prep Batch n/a	Analytical Batch L:GLA1971	
Run #1 Run #2	Initial Weigh 5.10 g	t Final Vo 5.0 ml	Dume Metl 100 t	nanol Al 11	iquot				
CAS No.	Compound		Result	RL	MDL	Units	Q		
	TPH-GRO (C6-C10)	ND	7.9	3.9	mg/kg			
CAS No.	Surrogate R	ecoveries	Run# 1	Run# 2	Lim	its			
460-00-4 540-36-3	4-Bromofluo 1,4-Difluoro		91% 96%		63-1 52-1	- / / -			

(a) Analysis performed at SGS Scott, LA.

ND = Not detected MDL = Method Detection Limit

- RL = Reporting Limit
- E = Indicates value exceeds calibration range
- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound



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			Report	of An	alysis			Page 1 of 1
Client Sam Lab Sampl Matrix: Method: Project:	e ID: TD250 SO - So SW846	22-2A pil 8015C SV	V846 3546 t Crude Hauling/S	Spill Jal,	NM/ 18-	5/01/18 5/02/18 5.6		
Run #1 ^a Run #2	File ID S0008788.D	DF 1	Analyzed 08/05/18 23:44	By ALA	Prep D 08/03/1	ate 8 12:00	Prep Batch L:OP11913	Analytical Batch L:GLG704
Run #1 Run #2	Initial Weight 20.0 g	Final Vol 1.0 ml	ume					
CAS No.	Compound		Result	RL	MDL	Units	Q	
	TPH-DRO (C1 TPH-ORO (C2		1.32 ND	6.5 6.5	0.56 0.68	mg/kg mg/kg	J	
CAS No.	Surrogate Rec	coveries	Run# 1	Run# 2	Lim	its		
84-15-1	o-Terphenyl		68%		31-1	30%		

(a) Analysis performed at SGS Scott, LA.

(b) Not Accreditable by TCEQ

MDL = Method Detection Limit ND = Not detected

RL = Reporting Limit

- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

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E = Indicates value exceeds calibration range

Lab Sam	mple ID: 15 @ 2 ple ID: TD250				Da	ate Sampled: 08	8/01/18
Matrix:	SO - So	oil				1	8/02/18
Method:	SW846	8260C			Pe	rcent Solids: 74	4.8
Project:	BROA	DTXB: Pi	lot Crude Hauling/S	pill Jal	, NM/ 18-07-101	-13107	
	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y1098385.D	1	08/02/18 18:44	•	n/a	n/a	VY4816
Run #2							
Run #2	Initial Weight	Final V	Volume				
Run #2	Initial Weight 3.68 g	Final V 5.0 ml	Volume				

Report of Analysis

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2 108-88-3 100-41-4 1330-20-7 1634-04-4	Benzene Toluene Ethylbenzene Xylene (total) Methyl Tert Butyl Ether	ND ND ND ND ND	$\begin{array}{c} 0.0073 \\ 0.0073 \\ 0.0073 \\ 0.0073 \\ 0.0073 \\ 0.0073 \end{array}$	0.0023 0.0024 0.0025 0.0024 0.0020	mg/kg mg/kg mg/kg mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
1868-53-7 2037-26-5 460-00-4 17060-07-0	Dibromofluoromethane Toluene-D8 4-Bromofluorobenzene 1,2-Dichloroethane-D4	112% 110% 98% 111%		59-12 70-13 63-13 54-12	39% 38%	

- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound



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14 of 49 TD25022

SGS

Chloride

Solids, Percent

		Repo	ort of An	alysis			Page	1 of 1
Client Sample ID:	15 @ 2.5'							
Lab Sample ID:	TD25022-3				Date Sample	e d: 08	8/01/18	
Matrix:	SO - Soil				Date Receiv	ed: 08	8/02/18	
					Percent Soli	ds: 74	1.8	
Project:	BROADTXB: Pilot	Crude Hauli	ng/Spill Jal,	NM/ 18-	07-101-13107			
General Chemistry								
Analyte	Result	RL	Units	DF	Analyzed	By	Method	

mg/kg

%

1

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08/02/18 20:08 LR

BS

08/03/18

EPA 300.0

SM 2540 G

19.7

74.8

6.6

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			Report	of An	alysis			Page 1 of 1	
Client Sample ID: 15 @ 2.5' Lab Sample ID: TD25022-3A Date Sampled: 08/01/18 Matrix: SO - Soil Method: SW846 8015C SW846 8015C SW846 5035 Project: BROADTXB: Pilot Crude Hauling/Spill Jal, NM/ 18-07-101-13107									
Run #1 ^a Run #2	File ID LA307264.D	DF 1	Analyzed 08/03/18 09:41	By Ala	Prep D 08/03/1	ate 8 08:34	Prep Batch n/a	Analytical Batch L:GLA1971	
Run #1 Run #2	Initial Weight 4.70 g	Final Vo 5.0 ml	lume Meth 100 t	n anol Al i 1	iquot				
CAS No.	Compound		Result	RL	MDL	Units	Q		
	TPH-GRO (Cé	-C10)	ND	8.8	4.3	mg/kg			
CAS No.	Surrogate Rec	overies	Run# 1	Run# 2	Lim	its			
460-00-4 540-36-3	4-Bromofluoro 1,4-Difluorobe	conconco.	93% 97%		63-1 52-1	39% 40%			

(a) Analysis performed at SGS Scott, LA.

ND = Not detected MDL = Method Detection Limit

- RL = Reporting Limit
- E = Indicates value exceeds calibration range
- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

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			Report	of An	alysis			Page 1 of 1
Client Sam Lab Sampl Matrix: Method: Project:	le ID: TD250 SO - So SW846	22-3A bil 5 8015C SV		Crude Hauling/Spill Jal, NM/ 18-07-101-13107				
Run #1 ^a Run #2	File ID S0008789.D	DF 1	Analyzed 08/06/18 00:05	By ALA	Prep D 08/03/1	ate 8 12:00	Prep Batch L:OP11913	Analytical Batch L:GLG704
Run #1 Run #2	Initial Weight 20.0 g	Final Vol 1.0 ml	ume					
CAS No.	Compound		Result	RL	MDL	Units	Q	
	TPH-DRO (C TPH-ORO (C2		1.02 ND	6.7 6.7	0.58 0.69	mg/kg mg/kg	J	
CAS No.	Surrogate Rec	coveries	Run# 1	Run# 2	Lim	its		
84-15-1	o-Terphenyl		59%		31-1	30%		

(a) Analysis performed at SGS Scott, LA.

(b) Not Accreditable by TCEQ

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

3.6

E = Indicates value exceeds calibration range

Lab Sam	mple ID: 16 @ 1 ple ID: TD250				Da	ate Sampled: 08	3/01/18
Matrix:	SO - S					1	3/02/18
Method:	SW846	5 8260C			Pe	rcent Solids: 78	3.8
Project:	BROA	DTXB: Pi	lot Crude Hauling/S	pill Jal	, NM/ 18-07-101	-13107	
	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y1098386.D	1	08/02/18 19:13	-	n/a	n/a	VY4816
Run #2							
Run #2	Initial Weight	Final V	olume				
Run #2	Initial Weight 4.93 g	Final V 5.0 ml	⁷ olume				

Report of Analysis

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2 108-88-3 100-41-4 1330-20-7 1634-04-4	Benzene Toluene Ethylbenzene Xylene (total) Methyl Tert Butyl Ether	ND ND ND ND ND	$\begin{array}{c} 0.0051 \\ 0.0051 \\ 0.0051 \\ 0.0051 \\ 0.0051 \end{array}$	0.0016 0.0017 0.0018 0.0017 0.0014	mg/kg mg/kg mg/kg mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
1868-53-7 2037-26-5 460-00-4 17060-07-0	Dibromofluoromethane Toluene-D8 4-Bromofluorobenzene 1,2-Dichloroethane-D4	111% 110% 97% 110%		59-12 70-13 63-13 54-12	39% 38%	

- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

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3.7

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18 of 49 SGS

Chloride

Solids, Percent

16.3

78.8

		Rep	ort of A	nalysis			Page 1 of 1
Client Sample ID: Lab Sample ID:	16 @ 1' TD25022-4				Date Sampled	l: 08/01/1	18
Matrix:	SO - Soil				Date Received Percent Solids	1: 08/02/1	18
Project:	BROADTXB: Pi	lot Crude Hau	ling/Spill Ja	l, NM/ 18	-07-101-13107		
General Chemistry							
Analyte	Result	RL	Units	DF	Analyzed	By Me	ethod

mg/kg

%

1

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08/02/18 20:25 LR

BS

08/03/18

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Page 1 of 1

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			Report	of An	alysis			Page 1 of 1
Client Sam Lab Sampl Matrix: Method: Project:	le ID: TD25 SO - S SW84	022-4A Soil 6 8015C S	W846 5035 ot Crude Hauling/S	Spill Jal,	NM/ 18-4	Date Perc	e Received: 0 ent Solids: 7	8/01/18 8/02/18 8.8
Run #1 ^a Run #2	File ID LA307266.D	DF 1	Analyzed 08/03/18 10:03	By Ala	Prep D 08/03/1	ate 8 08:34	Prep Batch n/a	Analytical Batch L:GLA1971
Run #1 Run #2	Initial Weight 5.20 g	t Final Vo 5.0 ml	Diume Meth 100 t	n anol Al i 11	iquot			
CAS No.	Compound		Result	RL	MDL	Units	Q	
	TPH-GRO (C	C6-C10)	ND	7.4	3.6	mg/kg		
CAS No.	Surrogate R	ecoveries	Run# 1	Run# 2	Lim	its		
460-00-4 540-36-3	4-Bromofluor 1,4-Difluorol		92% 96%		63-1 52-1			

(a) Analysis performed at SGS Scott, LA.

ND = Not detected MDL = Method Detection Limit

- RL = Reporting Limit
- E = Indicates value exceeds calibration range
- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

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			Report	of An	alysis			Page 1 of 1		
Client Sam Lab Sampl Matrix: Method: Project:	le ID: TD250 SO - So SW846	22-4A pil 8015C SW	V846 3546 t Crude Hauling/S	spill Jal,	NM/ 18-0	Date Perce	Received: 08 ent Solids: 78	08/01/18 08/02/18 78.8		
Run #1 ^a Run #2	File ID S0008790.D	DF 1	Analyzed 08/06/18 00:26	By Ala	Prep D 08/03/1		Prep Batch L:OP11913	Analytical Batch L:GLG704		
Run #1 Run #2	Initial Weight 20.0 g	Final Vol 1.0 ml	ume							
CAS No.	Compound		Result	RL	MDL	Units	Q			
	TPH-DRO (C1 TPH-ORO (C2			6.3 6.3	0.55 0.66	mg/kg mg/kg	J J			
CAS No.	Surrogate Rec	coveries	Run# 1	Run# 2	Lim	its				
84-15-1	o-Terphenyl		74%		31-1	30%				

(a) Analysis performed at SGS Scott, LA.

(b) Not Accreditable by TCEQ

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

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E = Indicates value exceeds calibration range

Client Sar Lab Samp Matrix: Method: Project:	ole ID: T A S	RIP BLANK D25022-5 Q - Trip Blanl W846 8260C ROADTXB: F		pill Ja	Date Sampled: 08/01/18 Date Received: 08/02/18 Percent Solids: n/a dl, NM/ 18-07-101-13107 NM/ 18-07-101-13107					
Run #1 Run #2	File ID K362262.	DF D 1	Analyzed 08/02/18 14:01	By FI	Prep Date n/a	Prep Batch n/a	Analytical Batch VK2354			
Run #1 Run #2	Purge Vo 5.0 ml	lume								

Report of Analysis

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2 108-88-3 100-41-4 1330-20-7 1634-04-4	Benzene Toluene Ethylbenzene Xylene (total) Methyl Tert Butyl Ether	ND ND ND ND ND	0.0010 0.0010 0.0010 0.0010 0.0010	0.00040 0.00042 0.00041 0.00039 0.00037	mg/l mg/l mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
1868-53-7 17060-07-0 2037-26-5 460-00-4	Dibromofluoromethane 1,2-Dichloroethane-D4 Toluene-D8 4-Bromofluorobenzene	92% 95% 89% 98%		72-12 68-12 80-11 72-12	24% 19%	

- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

Page 1 of 1

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Section 4

Misc. Forms

Houston, TX

Custody Documents and Other Forms

Includes the following where applicable:

• Chain of Custody



					-			-			l	<u>10 - 8</u>	1-10	1-131	67					4025022
CHAIN OF C Project No./PFJ C	USTODY	(RECO	RD	5.1	5.0	-	Hut n				อน	6		1).				· · ·	B R	OADBENT & ASSOCIATES, INC.
<u>E<u>j</u></u>		<u></u>	TIAN	(19).	<u>s pri</u>		NN/P	rojec	ot Na	me:	Filo	r Uni	ide t	TAUL	1006	<u>bl Spi</u>	-11-30	al, NW		NEERING, WATER RESOURCES & ENVIRONMENTAL
	Chris	- 1										_				1.	,		34	N ANTONIO • DENVER • LAS VEGAS RENO CHICO • VACAVILLE
Sampler Name:		Lav	<u>`</u>				L	abor	atory	Nan	ne:	S (n	SK	tcu	test	_[]	loust	on)		www.broadbentinc.com
	C0	llection		N	latri	x	Pi	esei	vatio	on			R	equeste	ed Ana	lyses]	Page of
Samula UN	P.4		No. of Containers	Soil/Solid	Water/Liquid	Air/Vapor	Unpreserved (Ice Only) DI Water	Menthanol	HCL	Other	BTXE/MTBE -EPA 8021(8260)	TPH EPA (015)TX 1005	IF TPH in DRO or ORO: PAH - EPA 8270	K	Chlorides SM4500					Special Instructions: Analyze the sample with the highest detected concentraction of TPH in the DRO + ORO for PAH. Only analyze ONE (1) sample from each matrix unless instructed otherwise.
Sample I.D.	Date 2/1/18	Time	Z 7	Š	-	4		Ž	H	10	E	E	E	RCI		-	ļ		Lab. No.	COMMENTS
14 84		1412	tt	I 个		+		<u> x</u>			\vdash				X					
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																			Bill to:	
White Copy - Laboratory	y. Yellow Cop	y - Consulta	nt.	******															\square Bill to:	$\square Fax (830)816-5436$
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TD25022: Chain of Custody Page 1 of 5

SGS



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TD25022: Chain of Custody Page 2 of 5



SGS Sample Receipt Summary

Page 1 of 3

4.1 **4**

Job Number: TD25	022	Client:	BROADB	ENT & A	SSOCIAT	TES Project: PILOT CRUDE			
Date / Time Received: 8/2/20	018 10:35:0	00 AM	Delivery	Method	:	Airbill #'s: 674687986945			
No. Coolers: 1	Therm ID	: IR-5;				Temp Adjustment Factor: 0;			
Cooler Temps (Initial/Adjuste	d): <u>#1: (2.</u>	.4/2.4);							
Cooler Security _Y	or N			<u>Y o</u>	r N	Sample Integrity - Documentation	Y	or N	
1. Custody Seals Present: ✓ 2. Custody Seals Intact: ✓ Cooler Temperature		3. COC Pr 4. Smpl Date				Sample labels present on bottles: Container labeling complete: Sample container label / COC agree:	V V		
1. Temp criteria achieved: 2. Cooler temp verification: 3. Cooler media:						Sample Integrity - Condition 1. Sample recvd within HT: 2. All containers accounted for:	_Y 		
Quality Control Preservation	<u>Y or</u>	<u>N N/A</u>		WTB	STB	3. Condition of sample:	•	Intact	
1. Trip Blank present / cooler:						Sample Integrity - Instructions	Y	or N	N/A
2. Trip Blank listed on COC:						1. Analysis requested is clear:	\checkmark		
3. Samples preserved properly:						2. Bottles received for unspecified tests		\checkmark	
4. VOCs headspace free:						 Sufficient volume recvd for analysis: Compositing instructions clear: Filtering instructions clear: 			
Comments									

TD25022: Chain of Custody Page 3 of 5



Sample Receipt Log

Page 2 of 3

Job #: TD25022

Date / Time Received: 8/2/2018 10:35:00 AM 10:35:

Initials: RE

Client: BROADBENT & ASSOCIATES

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	рН	Therm ID	Initial Temp	Therm CF	Corrected Temp
1	TD25022-1	4oz	1	4-11	N/P	Note #2 - Preservative check not applicable.	IR-5	2.4	0	2.4
1	TD25022-1	2oz	2	4-11	N/P	Note #2 - Preservative check not applicable.	IR-5	2.4	0	2.4
1	TD25022-1	40ml	3	TPH FREE	N/P	Note #2 - Preservative check not applicable.	IR-5	2.4	0	2.4
1	TD25022-1	40ml	4	TPH FREE	N/P	Note #2 - Preservative check not applicable.	IR-5	2.4	0	2.4
1	TD25022-1	40ml	5	VR	MeOH	Note #1 - Preservative to be checked by analyst at the instrument.	IR-5	2.4	0	2.4
1	TD25022-1	40ml	6	VR	DI H2O	Note #2 - Preservative check not applicable.	IR-5	2.4	0	2.4
1	TD25022-1	40ml	7	VR	DI H2O	Note #2 - Preservative check not applicable.	IR-5	2.4	0	2.4
1	TD25022-2	4oz	1	4-11	N/P	Note #2 - Preservative check not applicable.	IR-5	2.4	0	2.4
1	TD25022-2	2oz	2	4-11	N/P	Note #2 - Preservative check not applicable.	IR-5	2.4	0	2.4
1	TD25022-2	40ml	3	TPH FREE	N/P	Note #2 - Preservative check not applicable.	IR-5	2.4	0	2.4
1	TD25022-2	40ml	4	TPH FREE	N/P	Note #2 - Preservative check not applicable.	IR-5	2.4	0	2.4
1	TD25022-2	40ml	5	VR	MeOH	Note #1 - Preservative to be checked by analyst at the instrument.	IR-5	2.4	0	2.4
1	TD25022-2	40ml	6	VR	DI H2O	Note #2 - Preservative check not applicable.	IR-5	2.4	0	2.4
1	TD25022-2	40ml	7	VR	DI H2O	Note #2 - Preservative check not applicable.	IR-5	2.4	0	2.4
1	TD25022-3	4oz	1	4-11	N/P	Note #2 - Preservative check not applicable.	IR-5	2.4	0	2.4
1	TD25022-3	2oz	2	4-11	N/P	Note #2 - Preservative check not applicable.	IR-5	2.4	0	2.4
1	TD25022-3	40ml	3	TPH FREE	N/P	Note #2 - Preservative check not applicable.	IR-5	2.4	0	2.4
1	TD25022-3	40ml	4	TPH FREE	N/P	Note #2 - Preservative check not applicable.	IR-5	2.4	0	2.4
1	TD25022-3	40ml	5	VR	MeOH	Note #1 - Preservative to be checked by analyst at the instrument.	IR-5	2.4	0	2.4
1	TD25022-3	40ml	6	VR	DI H2O	Note #2 - Preservative check not applicable.	IR-5	2.4	0	2.4
1	TD25022-3	40ml	7	VR	DI H2O	Note #2 - Preservative check not applicable.	IR-5	2.4	0	2.4
1	TD25022-4	4oz	1	4-11	N/P	Note #2 - Preservative check not applicable.	IR-5	2.4	0	2.4
1	TD25022-4	2oz	2	4-11	N/P	Note #2 - Preservative check not applicable.	IR-5	2.4	0	2.4

TD25022: Chain of Custody Page 4 of 5



4.1

4



Sample Receipt Log

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4

Job #: TD25022

Date / Time Received: 8/2/2018 10:35:00 AM 10:35:

Initials: RE

Client: BROADBENT & ASSOCIATES

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	рН	Therm ID	Initial Temp	Therm CF	Corrected Temp
1	TD25022-4	40ml	3	TPH FREE	N/P	Note #2 - Preservative check not applicable.	IR-5	2.4	0	2.4
1	TD25022-4	40ml	4	TPH FREE	N/P	Note #2 - Preservative check not applicable.	IR-5	2.4	0	2.4
1	TD25022-4	40ml	5	VR	MeOH	Note #1 - Preservative to be checked by analyst at the instrument.	IR-5	2.4	0	2.4
1	TD25022-4	40ml	6	VR	DI H2O	Note #2 - Preservative check not applicable.	IR-5	2.4	0	2.4
1	TD25022-4	40ml	7	VR	DI H2O	Note #2 - Preservative check not applicable.	IR-5	2.4	0	2.4
1	TD25022-5	40ml	1	VR	HCL	Note #1 - Preservative to be checked by analyst at the instrument.	IR-5	2.4	0	2.4
1	TD25022-5	40ml	2	VR	HCL	Note #1 - Preservative to be checked by analyst at the instrument.	IR-5	2.4	0	2.4

TD25022: Chain of Custody Page 5 of 5









MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries



Method Blank Summary Job Number: TD25022

Account:	PILOTSS Pilot T			1	10.07.101.1210	-	
Project:	BROADTXB: Pi	lot Crude	Hauling/Spill J	ai, NM/	18-07-101-1310	/	
Sample VY4816-MB	File ID Y1098366.D	DF 1	Analyzed 08/02/18	By FI	Prep Date n/a	Prep Batch n/a	Analytical Batch VY4816
The QC repor	ted here applies to	the follo	wing samples:			Method: SW84	6 8260C

TD25022-1, TD25022-2, TD25022-3, TD25022-4

CAS No. Compound Result RL MDL	Units Q
100-41-4 Ethylbenzene ND 4.0 1.4 M 1634-04-4 Methyl Tert Butyl Ether ND 4.0 1.1 M 108-88-3 Toluene ND 4.0 1.3 M	ug/kg ug/kg ug/kg ug/kg ug/kg

CAS No.	Surrogate Recoveries	Limits	
1868-53-7	Dibromofluoromethane	109%	59-126%
2037-26-5	Toluene-D8	109%	70-139%
460-00-4	4-Bromofluorobenzene	97%	63-138%
17060-07-0	1,2-Dichloroethane-D4	109%	54-123%

Page 1 of 1

5.1.1 **5**





Method Blank Summary Job Number: TD25022

Account: Project:	PILOTSS Pilot T BROADTXB: Pi			Jal, NM	[/ 18-07-101-	13107	
Sample VK2354-MB	File ID K362254.D	DF 1	Analyzed 08/02/18	l By FI	Prep Da n/a	nte Prep Batch n/a	Analytical Batch VK2354
	ted here applies to) the follo	wing samples	s:		Method: SW8	46 8260C
TD25022-5							

71-43-2 Benzene ND 1.0 0.40 ug/l
71-43-2 Benzene ND 1.0 0.40 ug/l
100-41-4 Ethylbenzene ND 1.0 0.41 ug/l
1634-04-4 Methyl Tert Butyl Ether ND 1.0 0.37 ug/l
108-88-3 Toluene ND 1.0 0.42 ug/l
1330-20-7 Xylene (total) ND 1.0 0.39 ug/l

CAS No.	Surrogate Recoveries	Limits	
1868-53-7	Dibromofluoromethane	99%	72-122%
17060-07-0	1,2-Dichloroethane-D4	104%	68-124%
2037-26-5	Toluene-D8	91%	80-119%
460-00-4	4-Bromofluorobenzene	99%	72-126%

5.1.2

G





Blank Spike Summary Job Number: TD25022

Sample	File ID	DF	Analyzed	B _x	Prep Date	Prep Batch	Analytical Batch
VY4816-BS	Y1098363.D		08/02/18	By FI		. •	VY4816
V 14010-DS	1 1098505.D	1	08/02/18	ГІ	n/a	n/a	V 14010

54-123%

TD25022-1, TD25022-2, TD25022-3, TD25022-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	42.5	85	58-124
100-41-4	Ethylbenzene	50	43.3	87	57-124
1634-04-4	Methyl Tert Butyl Ether	50	41.5	83	65-119
108-88-3	Toluene	50	42.9	86	67-119
1330-20-7	Xylene (total)	150	127	85	62-120
CAS No.	Surrogate Recoveries	BSP	Lim	iits	
1868-53-7	Dibromofluoromethane	103%	59-1	26%	
2037-26-5	Toluene-D8	102%	70-1	39%	
460-00-4	4-Bromofluorobenzene	99%	63-1	38%	





5.2.1

S



Blank Spike/Blank Spike Duplicate Summary

Job Number:	TD25022
Account:	PILOTSS Pilot Travel Centers LLC
Project:	BROADTXB: Pilot Crude Hauling/Spill Jal, NM/ 18-07-101-13107

Sample	File ID	DF	Analyzed 08/02/18 08/02/18	By	Prep Date	Prep Batch	Analytical Batch
VK2354-BS	K362248.D	1		FI	n/a	n/a	VK2354
VK2354-BSD ^a	K362261.D	1		FI	n/a	n/a	VK2354

The QC reported here applies to the following samples:

Method: SW846 8260C

TD25022-5

2037-26-5 Toluene-D8

460-00-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	25	21.4	86	21.1	84	1	68-119/30
100-41-4	Ethylbenzene	25	23.5	94	22.2	89	6	71-117/30
1634-04-4	Methyl Tert Butyl Ether	25	21.7	87	22.5	90	4	65-119/30
108-88-3	Toluene	25	21.5	86	20.3	81	6	73-119/30
1330-20-7	Xylene (total)	75	73.3	98	68.9	92	6	74-119/30
CAS No.	Surrogate Recoveries	BSP	BS	D	Limits			
1868-53-7	Dibromofluoromethane	91%	929	6	72-1229	%		
17060-07-0	1,2-Dichloroethane-D4	91%	929	6	68-1249	%		

97%

101%

94%

101%

80-119%

72-126%

(a) Insufficient sample available for MS/MSD. AZ:Q9	

4-Bromofluorobenzene



Matrix Spike/Matrix Spike Duplicate Summary

Job Number:	TD25022
Account:	PILOTSS Pilot Travel Centers LLC
Project:	BROADTXB: Pilot Crude Hauling/Spill Jal, NM/ 18-07-101-13107

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
TD24825-1MS	Y1098368.D	1	08/02/18	FI	n/a	n/a	VY4816
TD24825-1MSD	Y1098369.D	1	08/02/18	FI	n/a	n/a	VY4816
TD24825-1	Y1098367.D	1	08/02/18	FI	n/a	n/a	VY4816

The QC reported here applies to the following samples:

Method: SW846 8260C

TD25022-1, TD25022-2, TD25022-3, TD25022-4

CAS No.	Compound	TD24825 ug/kg	5-1 Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2 100-41-4 1634-04-4 108-88-3 1330-20-7	Benzene Ethylbenzene Methyl Tert Butyl Ether Toluene Xylene (total)	ND 241 ND 189 1320	J J	3930 3930 3930 3930 3930 11800	3660 3960 3580 3930 12000	93 95 91 95 91	3930 3930 3930 3930 3930 11800	3310 3590 3390 3570 10900	84 85 86 86 81	10 10 5 10 10	58-124/26 57-124/29 65-119/29 67-119/28 62-120/27
CAS No.	Surrogate Recoveries	MS		MSD	TI	024825-1	Limits				
1868-53-7 2037-26-5 460-00-4 17060-07-0	Dibromofluoromethane Toluene-D8 4-Bromofluorobenzene 1,2-Dichloroethane-D4	97% 101% 102% 92%		101% 1 101% 1 101% 1		% 2% 3% %	59-1269 70-1399 63-1389 54-1239	6 6			

* = Outside of Control Limits.



Page 1 of 1



Houston, TX

Section 6

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries



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METHOD BLANK AND SPIKE RESULTS SUMMARY GENERAL CHEMISTRY

Login Number: TD25022 Account: PILOTSS - Pilot Travel Centers LLC Project: BROADTXB: Pilot Crude Hauling/Spill Jal, NM/ 18-07-101-13107

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chloride	GP48865/GN91741	5.0	0.0	mg/kg	100	97.5	97.5	90-110%

Associated Samples: Batch GP48865: TD25022-1, TD25022-2, TD25022-3, TD25022-4 (*) Outside of QC limits

6.1



DUPLICATE RESULTS SUMMARY GENERAL CHEMISTRY

Login Number: TD25022 Account: PILOTSS - Pilot Travel Centers LLC Project: BROADTXB: Pilot Crude Hauling/Spill Jal, NM/ 18-07-101-13107

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chloride	GP48865/GN91741	TD24984-1	mg∕kg	4370	4420	1.1	0-20%
Solids, Percent	GN91725	TD25022-1	%	78.4	78	0.5	0-5%

Associated Samples: Batch GN91725: TD25022-1, TD25022-2, TD25022-3, TD25022-4 Batch GP48865: TD25022-1, TD25022-2, TD25022-3, TD25022-4 (*) Outside of QC limits

6.2



MATRIX SPIKE RESULTS SUMMARY GENERAL CHEMISTRY

Login Number: TD25022 Account: PILOTSS - Pilot Travel Centers LLC Project: BROADTXB: Pilot Crude Hauling/Spill Jal, NM/ 18-07-101-13107

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chloride	GP48865/GN91741	TD24984-1	mg/kg	4370	101	20500(a)	159.0(a)	80-120%

Associated Samples:

Batch GP48865: TD25022-1, TD25022-2, TD25022-3, TD25022-4

(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

(a) Outside control limits due to matrix interference and/or sample nonhomogeneity.





Houston, TX



Misc. Forms

Custody Documents and Other Forms

(SGS Scott, LA)

Includes the following where applicable:

• Chain of Custody



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**************************************			TEL. 713	-271-4700		713-271-4							SGS Qu	ole #					SGS Job	#	т	025022	
Client / Reporting Information			Project										-	Rea	uested	Analy	sis (see	e TEST		shee	î)		Matrix Codes
Company Name:	Project Name:														T	Γ	T				Ϊ I		
SGS North America Inc.		BROADTXB: P	ilot Crude Ha	uling/Sp	oill Jal, M	M/ 18-0	7-101	-131	07														DW - Drinking Wate GW - Ground Water
Street Address 10165 Harwin Drive	Street												-										WW - Water SW - Surface Water
City State Zip	City		State	Billing I Company		on (if diffe	rent fro	om Re	eport 1	o)			- 22									·	SO - Soil SL- Sludge
Houston TX 77036													15G										SED-Sediment
Project Contact E-mail	Project #			Street Ac	idress																		Oi - Oil LIQ - Other Liquid
sylvia.garza@sgs.com		-											Mds										AIR - Air SOL - Other Solid
Phone # Fax # 713-271-4700	Client Purchase	Order #		City			S	tate			Zip		0355										WP - Wipe FB-Field Blank
	Project Manager			Attention									- 19										EB-Equipment Blank
													ORG										R8- Rinse Blank T8-Trip Blank
			Collection			1	.	Numb	er of pe	eserve	d Battle	5	1 080										
SGS Sanske # Field ID / Point of Collection	MEOH/DI Visi#	Date	Time	Sampled by	: Matrix	# of bottles	HCI	HNO3	H2504	NONE DI Watér	MEOH	ENCORE	BB015DROORO , V5035SPM , V8015GRO										LAB USE ONLY
1A 13@4'		8/1/18	1:00:00 PM		so	1		1	+-+	1	\square		X		\square								1
2A 14@4'		8/1/18	2:12:00 PM		so	1		+	$\uparrow \uparrow$	1			x		1								
3A 15 @ 2.5'		8/1/18	2:25:00 PM		so	1		+		1	+		x										17
4A 16@1'		8/1/18	2:35:00 PM		so	1		+		1	+	+	x										+' /
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TD25022: Chain of Custody Page 1 of 2 SGS Scott, LA

SGS

7.1 7

SGS Sample Receipt Summary

Number: T	D2502	22		Client:	SGS NOF	RTH AME	RICA		Project: BROADTXB			
eceived: 8/	/3/201	8 7:5	50:00 A	M	Delivery	Method:	Ace	cutest Courier	Airbill #'s:			
(Initial/Adju	sted):	: <u>#1</u>	<u>: (1.9/1</u>	<u>.9);</u>								
Present: Intact:	<u>Yo</u> ✓ ✓		- 4. S	3. COC Pre Smpl Dates		Yor ✓ ✓	N	1. Sample labels 2. Container lab	ty - Documentation present on bottles: eling complete: iner label / COC agree:	Y (V V	or N	
ature achieved: ID: :		D	or N U439;	tact)					ity - Condition within HT: accounted for:	 ✓ ✓	or N	
I_Preservation esent / cooler: and on COC: served propertion pace free:	:	⊻ □ ☑	<u>or N</u>	<u>N/A</u> V V				 Analysis require Bottles receive Sufficient vol 	red for unspecified tests ume recvd for analysis: instructions clear:		or N □ □ □ □	
	ту: 	_		V				4. Compositing	instructions cl	,	, .	ear:

TD25022: Chain of Custody Page 2 of 2







GC Volatiles

QC Data Summaries

(SGS Scott, LA)

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries



Method Blank Summary

540-36-3

1,4-Difluorobenzene

Job Number Account: Project:	TD25022 ALGC SGS Houst PILOTSS: BROA		t Crude Hau	ıling/Sp	ill Jal, N	I M / 18-0	7-101-13107	
Sample GLA1971-MI	File ID B2 LA307240.D		Analyzed 08/03/18	By MB	Pre n/a	p Date	Prep Batch n/a	Analytical Batch GLA1971
	orted here applies to 1						Method: SW844	5 8015C
CAS No.	Compound	Re	sult R	Ľ	MDL	Units	Q	
]	TPH-GRO (C6-C10)	NI	5 5	.0	2.4	mg/kg		
CAS No. S	Surrogate Recoveries]	Limits				
460-00-4	l-Bromofluorobenzene	10	0%	63-139%	6			

52-140%

101%

8.1.1

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Blank Spike/Blank Spike Duplicate Summary

Job Number:	TD25022
Account:	ALGC SGS Houston, TX
Project:	PILOTSS: BROADTXB: Pilot Crude Hauling/Spill Jal, NM/ 18-07-101-13107

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLA1971-BS2	LA307236.D	1	08/03/18	MB	n/a	n/a	GLA1971
GLA1971-BSD2	LA307238.D	1	08/03/18	MB	n/a	n/a	GLA1971

The QC reported here applies to the following samples:

Method: SW846 8015C

TD25022-1A, TD25022-2A, TD25022-3A, TD25022-4A

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	50	48.0	96	45.1	90	6	79-121/6
CAS No.	Surrogate Recoveries	BSP	BSI)	Limits			
460-00-4 540-36-3	4-Bromofluorobenzene 1,4-Difluorobenzene	97% 104%	97% 105		63-139% 52-140%			

Page 1 of 1



SGS

Matrix Spike/Matrix Spike Duplicate Summary

Job Number:	TD25022
Account:	ALGC SGS Houston, TX
Project:	PILOTSS: BROADTXB: Pilot Crude Hauling/Spill Jal, NM/ 18-07-101-13107

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
LA46348-9MS	LA307246.D	1	08/03/18	MB	n/a	n/a	GLA1971
LA46348-9MSD	LA307248.D	1	08/03/18	MB	n/a	n/a	GLA1971
LA46348-9	LA307244.D	1	08/03/18	MB	n/a	n/a	GLA1971

The QC reported here applies to the following samples:

Method: SW846 8015C

TD25022-1A, TD25022-2A, TD25022-3A, TD25022-4A

CAS No.	Compound	LA46348-9 mg/kg Q	Spike mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD	8.3.1
	TPH-GRO (C6-C10)	ND	87.7	82.9	95	87.7	90.3	103	9*	79-121/6	8
CAS No.	Surrogate Recoveries	MS	MSD	LA	46348-9	Limits					
460-00-4 540-36-3	4-Bromofluorobenzene 1,4-Difluorobenzene	96% 103%	102% 110%	96% 99%		63-139% 52-140%	-				







GC/LC Semi-volatiles

QC Data Summaries

(SGS Scott, LA)

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries



Method Blank Summary

o-Terphenyl

84-15-1

Job Numbe Account: Project:	er: TD25022 ALGC SGS Houston PILOTSS: BROAD		e Hauling/S	pill Jal, N	IM/ 18-07	7-101-13107	C
Sample OP11913-N		DF Analy 08/05,	•		p Date 03/18	Prep Batch OP11913	Analytical Batch GLG704
	ported here applies to th A, TD25022-2A, TD2502		-			Method: SW84	6 8015C
CAS No.	Compound	Result	RL	MDL	Units	Q	
	TPH-DRO (C10-C28) TPH-ORO (C28-C35)	0.472 ND	5.0 5.0	0.43 0.52	mg/kg mg/kg	J	
CAS No.	Surrogate Recoveries		Limits	5			

31-130%

96%

9.1.1 9



Page 1 of 1

Blank Spike/Blank Spike Duplicate Summary

Sample	File ID	DF	Analyzed	Bv	Pren Date	Pren Batch	Analytics
Account: Project:	ALGC SGS H PILOTSS: BR	,	Pilot Crude Hau	ling/Spil	ll Jal, NM/ 18-07	7-101-13107	
Job Number:		ouston TV					
_				-			

Sample OP11913-BS1 OP11913-BSD1	File ID S0008783.D S0008784.D	DF 1 1	Analyzed 08/05/18 08/05/18	By JT JT	Prep Date 08/03/18 08/03/18	Prep Batch OP11913 OP11913	Analytical Batch GLG704 GLG704

The QC reported here applies to the following samples:

Method: SW846 8015C

TD25022-1A, TD25022-2A, TD25022-3A, TD25022-4A

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	150	136	91	146	97	7	60-115/46
CAS No.	Surrogate Recoveries	BSP	BSI)	Limits			
84-15-1	o-Terphenyl	97%	104	%	31-130%	6		







Blank Spike/Blank Spike Duplicate Summary

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical
Project:	PILOTSS: BR	OADTXB: F	Pilot Crude Hau	ling/Spil	ll Jal, NM/ 18-07	-101-13107	
Account:	ALGC SGS H	ouston, TX					
Job Number:	TD25022	_		-			

|--|

The QC reported here applies to the following samples:

Method: SW846 8015C

TD25022-1A, TD25022-2A, TD25022-3A, TD25022-4A

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH-ORO (C28-C35)	60	57.8	96	59.4	99	3	25-120/34
CAS No.	Surrogate Recoveries	BSP	BSI)	Limits			
84-15-1	o-Terphenyl	91%	94%	ó	31-130%	6		



9.2.2

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Appendix C

Waste Disposal Documentation

F	LEA LAND DISPOSAL SITE NEW MEXICO MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048									
	1300 WEST MAIN ST	LEA LAI	,	PHONE (405) 2	236-4257	Ga	nd	Ŵ		
NON	I-HAZARDOUS WASTE MANIF	EST NO	125114	1, PAGE_	_OF	2. TRAILE	r no.	213		
Ğ	3, COMPANY NAME Pilot Travel Centers, LLC	4. ADDRESS 5508 Lonas Dr.			5. PICK 7/18/	-UP DATE 2018				
E	PHONE NO. (865) 588-7488	CITY Knoxville,	STATE TN	37909 ^{ZIP}	6. TNRO	CC I.D. NO.				
12	7. NAME OR DESCRIPTION OF WASTE SHIPPE	- •		8. CONTAIN			10. UNIT Wt/Vol.	11. TEXAS WASTE ID #		
Ν	Non-Regulated, Non Hæardous Wa ^{a.}	ste								
	b.		· · · · ·							
Е	с. WT:									
R	· 33,520 - 36,98	37								
	12. COMMENTS OR SPECIAL INSTRUCTIONS: SPILL DELAWARE BASIN NEAR 128	}	· · · ·	· · · ·	13.	WASTE PR	OFILE N 1 8806	0.		
А			TE 10,	\sim - \circ	j	·				
т	14. IN CA NOT ONTIVEROS	<u>SE OF EMERG</u> P575-887-4048		L, CONTA	ICT	24-HOUR H	emerge	NCY NO.		
0	15. GENERATOR'S CERTIFICATION: shipping name and are classified, packed, marked, an international and national government regulations, in	d labeled, and are in al	l respects in proper co	ondition for tra	nsport by h	ighway acco	ording to a	pplicable		
R	PRINTED/TYPED NAME		SIGNATURE					DATE		
T	16. TRANSPORTER (1)		17.	TRAN	SPORT	ER (2)				
R A	NAME:	E	NAME;							
N S	TEXAS I.D. NO.		TEXAS I,D, NO.							
P O	IN CASE OF EMERGENCY CONTAC(575) 39	6-4948	IN CASE OF EM		ONTACT:					
R T	BMERGENCY PHONE: 18. TRANSPORTER (1): Acknowledgment	of receipt of material	EMERGENCY PI		Acknowle	dgment of re	eceipt of n	natorial		
E R	PRINTED/TYPED NAME Lesus Ru	DATE	PRINTED/TYPE	D NAME						
S	SIGNATURIX RENA A	DATE	SIGNATURE			D	ATE			
DF	Lea Land, LLC		e Marker 64, U Ailes East of C	٠		PHONE:	575-88	37-4048		
I A S C P I	PERMIT NO. WM-01-035 - New Mer	·• ···· ·· · · · ·	20. COMMENTS	ansbau, N		<u>i</u>				
OL SI AT	21. DISPOSAL FACILITY'S CERTIFIC facility's authorized and permitted to receive such		certify that the above	described was	tes were de	elivered to th	is facility,	that the		
LY	AUTHORIZED SIGNATURE	17000	CELL NO.	-	DATE 7/18	/2018	TI	D.		
GENER	ATOR: COPIES 1 & 6		E: COPIES 2 & 3			TRANSP	ORTERS:	COPIES 4 & 5		

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ł	LEA LAND DIS MILE MARKER #64 US HWY						KIC	0
	1300 WEST MAIN ST		ND, LLC A CITY, OK 73106 •	PHONE (40	05) 236-4	257	ind	11
NON	-HAZARDOUS WASTE MANIF	EST, NO	125115	1, PAG	EOF	2. TRAII	ER NO.	378
G	3. COMPANY NAME Pilot Travel Centers, LLC	4. ADDRESS 5508 Lonas Dr				PICK-UP DATE / 18/2018	,	
E	PHONE NO. (865) 588-7488	CITY Knoxville,	STATE TN	37909 ^Z	ДР 6 . 7	I'NRCC I.D. NC),	
N	7. NAME OR DESCRIPTION OF WASTE SHIPPE a. Non-Regulated, Non Hazardous Wa	-		8. CONT. No.	AINERS Type	9. TOTAL QUANTITY	10, UNIT Wt/Voi.	11. TEXAS WASTE ID #
E	b.							
R	WT: d. 34240 19:	380			- · - · ·			
A	SPICE BELAVARE BASIN NEAR 12	3	a 531	,UD		13, WASTE Ţ	718806	IO.
Т	14. IN CASE OF EMERGENCY OR SPILL, CONTACT NOTE ONTIVEROS PUTOTERS -4048							
ο	15. GENERATOR'S CERTIFICATION: shipping name and are classified, packed, marked, an international and national government regulations, in	id labeled, and are in a	all respects in proper c	ondition for	r transpor	t by highway ac	cording to a	applicable
R	PRINTED/TYPED NAME		SIGNATURE					DATE
T R A N S P O	16. TRANSPORTER (1) EES / GANDY COR NAME: TEXAS I.D. NO. IN CASE OF EMERGENCY CONTACT (575) 39 EMERGENCY PHONE:	- N CHIII TS	17. NAME: TEXAS I.D. NO. IN CASE OF EM EMERGENCY P	IERGENCY		DRTER (2)		
R T E R S	18. TRANSPORTER (1): Acknowledgment PRINTED/TYPED NAME Tose G	of receipt of material	19. TRANSPO	DRTER (-	
D F	Lea Land, LLC		le Marker 64, U Miles East of (•	80, PHONE		87-4048
I A S C P I	PERMIT NO. WM-01-035 - New Mez		20. COMMENTS					
O L S I A T	21.DISPOSAL FACILITY'S CERTIFIC facility is authorized and permitted to receive such		v certify that the above	e described	wastes w	ere delivered to	this facility	, that the
L Y	AUTRORIZED SIGNATURE	DISPOSAL SU	TE: COPIES 2 & 3		DA	7/18/2018		TIME, 55

• • E

COPY 1

7	L'EA LAND DIS MILE MARKER #64 US HW						KIC	0
	1300 WEST MAIN S	LEA LAI		PHONE (4	405) 236-4	257	and	, U
NO	N-HAZARDOUS WASTE MANII	ÆST NO	125116	i. PA	GEOF_	2. TRAII	ER NO.	370
G	3, COMPANY NAME Pilot Travel Centers, LLC	4. ADDRESS 5508 Lonas Dr.				ICK-UP DATE 18/2018		
E	PHONE NO. (865) 588-7488	CITY Knoxville,	STATE TN	37909	ZIP 6. T	NRCC I.D. NO		
N	7. NAME OR DESCRIPTION OF WASTE SHIPP Non-Regulated, Non Hazardous W a.			8. CON No.	TAINERS Type	9. TOTAL QUANTITY	10, UNIT Wt/Vol.	11. TEXAS WASTE ID #
E	b, c. w т·							
R	d. 110320 2124	D						
A	SPICEMENTAWARE BASIN' NEAR 12		31,567)	<u> </u>	13. WASTE F	PROFILE N 718806	0.
т	14. IN C	ASE OF EMERG P 575 557-404		L, CO	NTACT	24-HOUF	R EMERGE	NCY NO.
0	15. GENERATOR'S CERTIFICATION shipping name and are classified, packed, marked, a international and national government regulations,	and labeled, and are in al	l respects in proper co	ondition f	or transpor	by highway ac	cording to a	pplicable
R	PRINTED/TYPED NAME	· · · · · · · · · · · · · · · · · · ·	SIGNATURE		, .			DATE
T R A	16. TRANSPORTER (1) NAME: EES / GANDY COP	<u>RP</u>	17. NAME:	T	RANSPO	ORTER (2)		
N S P	TEXAS I.D. NO.		TEXAS I.D. NO. IN CASE OF EM	ERGENC	Y CONTA	CT:		
0	EMERGENCY PHONE:	90-4948	EMERGENCY P	HONE:	•			
R T	18. TRANSPORTER (1): Acknowledgmen	it of receipt of material	19. TRANSPC	RTER	(2): Ackr	lowledgment of	receipt of r	naterial
E R S	PRINTED/TYPED NAME JOE VA	7/18/201	PRINTED/TYPE			•	DATE	
	Lea Land, LLC	ADDRESS:	e Marker 64, U			PHONE		87-4048
	Ŧ		Miles East of C		•			
S (P	PERMIT NO. WM-01-035 - New M	exico	20. COMMENTS					
S A	1 21.DISPOSAL FACILITY'S CERTIF 1 facility is authorized and permitted to receive such		certify that the above	describe	i wastes w	ere delivered to	this facility	, that the
L	authorized signature	nzalez	CELL NO.		DA	re 7/18/2018	T	™E, 15.]].
GEN	ERATOR: COPIES 1 & 6	DISPOSAL SIT	E: COPIES 2 & 3			TRANS	SPORTERS	: COPIES 4 & 5

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COPY 1

a	LEA LAND DISPOSAL SITE NEW MEXICO MILE MARKER #64 US HWY 62/180 · 30 MILES EAST OF CARLSBAD, NM · PHONE (575) 887-4048									
	1300 WEST MAIN ST	LEA LA	AND, LLC			\cap	nd	u		
NON	-HAZARDOUS WASTE MANIF	EST NO	125153	1. PA	GE_OF	2. TRAII	.er no. 🔪	J3D		
G	3. COMPANY NAME Pilot Travel Centers, LLC	4. ADDRESS 5508 Lonas D				PICK-UP DATE / 19/2018				
Ē	PHONE NO. (885) 588-7488	CITY Knoxville,	STATE TN	37909	ZIP 6.	TNRCC I.D. NC),			
N	7. NAME OR DESCRIPTION OF WASTE SHIPPH a. Non-Regulated, Non Hazardous Was			8. CON No.	TAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11, TEXAS WASTE ID #		
E	a. WT: d. ZE DAT 2 ATTA									
R A	SPILL DELAWARE BASIN NEAR 128					13. WASTE I	PROFILE N 718806	łO.		
Т	DOEONTIVEROS	PHONE NO-40	- 	· · · · · · · · · · · · · · · · · · ·		24-HOUI	R EMERGE			
0	15, GENERATOR'S CERTIFICATION: shipping name and are classified, packed, marked, an international and national government regulations, ir	id labeled, and are in	all respects in proper (condition f	or transpo	rt by highway ac	cording to a	applicable		
R	PRINTED/TYPED NAME		SIGNATURE					DATE		
T R A N S P O R T	IN CASE OF EMERGENCY CONTACTO 39 EMERGENCY PHONE: 18. TRANSPORTER (1): Acknowledgment	N SHULTS 6-4948	17. NAME: TEXAS I.D. NO. IN CASE OF EN EMERGENCY J al 19. TRANSP	MERGENC <u>PHONE:</u>	CY CONT		f receipt of	material		
E R S	PRINTED/TYPED NAME JOE Va	/en2ace/a 7/19/20 DATE					DATE			
D F	Lea Land, LI/C		lile Marker 64, 1) Miles East of		-	1		87-4048		
I A S C P I O L	PERMIT NO. WM-01-035 - New Me:	xico	20. COMMENTS							
S I A T	dentry is a state of the second se	21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the ab facility is authorized and permitted to receive such wastes.				vere delivered to	this facilit	y, that the		
LY	AUTIORIZED SIGNATURE	Falez.	CELL NO.		DA	ATE	-	трке, 50 (
GENE	RATOR: COPIES 1 & 6		SITE: COPIES 2 & 3			TRAN	SPORTERS	S: COPIES 4 & :		

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J	LEA LAND DISPOSAL SITE NEW MEXICO MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048									
	1300 WEST MAIN ST	LEA LAN	ND, LLC	٠,		\cap	`anc	14		
NON	-HAZARDOUS WASTE MANIF	EST NO	125154	I. PAG	E_OF_	2. TRAIL	ER NO,	378		
	3, COMPANY NAME Pilot Travel Centers, LLC	4. ADDRESS 5508 Lonas Dr.				ICK-UP DATE 19/2018				
	PHONE NO. (885) 588-7488	CITY Knoxville,	STATE TN	37909 ^Z	IP 6. T	NRCC I.D. NO				
E	7. NAME OR DESCRIPTION OF WASTE SHIPPE			8. CONT. No,	AINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol,	11. TEXAS WASTE ID #		
N	_{a.} Non-Regulated, Non Hazardous Wa	яе. 								
Е	b.									
		A		ļ ļ						
R	33,700 35,48) 374	2D			13. WASTE F	ROFILE N	0.		
Α	12 COMMENTS OR SPECIAL INSTRUCTIONS SPILL DELAWARE BASIN NEAR 128) • 1007	TA IN	InN	5		718806			
		ASE OF EMERG		LL, CON	TACT	24 1/01 1	ENCO	NOV NO		
Т	DOLE ONTIVEROS 575-887-4048 24-HOUR EMERGENCY NO.									
0	15. GENERATOR'S CERTIFICATION: shipping name and are classified, packed, marked, ar international and national government regulations, i	nd labeled, and are in al	respects in proper c	ondition for	r transport	: by highway ac	cording to a	applicable		
R	PRINTED/TYPED NAME		SIGNATURE					DATE		
Т	16. TRANSPORTER (1)		17.	TR	ANSPO	ORTER (2)	<u></u>			
R A	NAME: EES/GANDY COR	<u>P</u>	NAME:							
N S	TEXAS I.D. NO.	N SHULTS	TEXAS I.D. NO.		I CIONTRA	OT.				
P O	IN CASE OF EMERGENCY CONTACT 75) 39 EMERGENCY PHONE:	6-4948	IN CASE OF EM		CUNTA					
R T	18. TRANSPORTER (1): Acknowledgment		19. TRANSPO	ORTER (2): Ackn	lowledgment of	receipt of	materia!		
E R	PRINTED/TYPED NAME JEGINS	Rodny						<u></u>		
S	SIGNATURE	`	SIGNATURE				DATE			
D F	Lea Land, LLC		e Marker 64, U		•	80, PHONE		87-4048		
I A S C P I	PERMIT NO. WM-01-035 - New Me	· · · · · · · · · · · · · · · · · · ·	Viles East of C 20. COMMENTS		1, 1NIVL	1				
OL SI AT	21. DISPOSAL FACILITY'S CERTIFI facility is authorized and permitted to receive such	CATION: I Hereby wastes.	certify that the above	e described	wastes wo	ere delivered to	this facility	y, that the		
LY	AUTHORIZED SIGNATURE	Falet,	CELL NO.		DAT	re 7/1 9/2018]	ID. 55		
GENER	ATOR: COPIES 1 & 6		E: COPIES 2 & 3 PY 1			TRAN	SPORTERS	S; COPIES 4 & 5		

	LEA LAND DIS MILÊ MARKER #64 US HWY 6						KIC	0	
	1300 WEST MAIN STR		ND, LLC IA CITY, OK 73106 • P	PHONE (4	105) 236-42	57	and	11	
NO	-HAZARDOUS WASTE MANIFE	ST NO	125199	1. PAC	BEOF	2. TRAIL	ER NO.	378	
G		4. ADDRESS 5508 Lonas Dr		-	1	CK-UP DATE			
	PHONE NO.	city Knoxville,	STATE	37 909)		NRCC I.D. NO			
Е	7, NAME OR DESCRIPTION OF WASTE SHIPPED);	······································	8. CON No.	TAINERS Type	9. TOTAL QUANTITY	10, UNIT Wt/Vol.	11. TEXAS WASTE ID#	
N	a. Non-Regulated, Non Hazardous Was	E	· · · · · · · · · · · · · · · · ·		1,190				
	b,								
Е	с.								
R	WT: 71, QUD 31.00	7 30	110						
к	12. COMMENTS OR SPECIAL INSTRUCTIONS: SPILL DELAWARE BASIN NEAR 128	Jud		J		13, WASTE P	ROFILE N 718806	IO.	
А	BHILL DELAYVARE BABIN NEAR 120	¢	70 959	ild)		110000		
			GENCY OR SPIL	L, COI	NTACT	24-9010	EMERGE	NCY NO	
Т	NAME ONTIVEROS	^{рноме NO} 575-887-404	18			24-110/01		110.	
0	15. GENERATOR'S CERTIFICATION: I shipping name and are classified, packed, marked, and international and national government regulations, inc	l labeled, and are in	all respects in proper of	ondition fo	or transport	by highway ac	cording to a	applicable	
R	PRINTED/TYPED NAME		SIGNATURE	• .				DATE	
Т	16. TRANSPORTER (1)		17.	Tl	RANSPC	ORTER (2)			
R A	NAME: EES / GANDY CORF	-	NAME:						
N S	TEXAS I.D. NO.	SHULTS	TEXAS I.D. NO.						
P O	IN CASE OF EMERGENCY CONTACT (575) 398	-4948	IN CASE OF EM		Y CONTA	CT:			
R T	EMERGENCY PHONE: 18. TRANSPORTER (1): Acknowledgment of	f receipt of materia	EMERGENCY PI 1 19. TRANSPO		(2): Ackn	owledgment of	receipt of	material	
Е	PRINTED/TYPED NAME / CSUS /	adriauer	PRINTED/TYPE	D NAME					
R S	PRINTED/TYPED NAME SIGNATURE	7/20/20 DATE	18 				DATE		
		ADDRESS:			- <u>-</u>	PHONE			
	Lea Land, LLC		ile Marker 64, U		•	30,	575-8	87-4048	
		30	Miles East of C	Carlsba	d, NM			- <u>.</u>	
S C P I	WM-01-035 - New Mex	tico	20. COMULATE						
OI S A	21, DISPOSAL FACILITY'S CERTIFIC	21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.							
L		70007	CELL NO.		DAT 7	те 7/20/2018]	ите, 3Ò	
GENI	RATOR: COPIES 1 & 6	DISPOSAL S	ITE: COPIES 2 & 3	<u> </u>	l	TRAN	SPORTERS	3: COPIES 4 & 5	

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	LEA LAND DIS MILE MARKER #64 US HWY						KIC	0
	1300 WEST MAIN ST		ND, LLC	PHONE (4	405) 236-4	+257	ndi	y I
NON	I-HAZARDOUS WASTE MANIF	EST NO	125200	1. PA	GEOF	2. TRAIL	ER NO.	370
G	3, COMPANY NAME Pilot Travel Centers, LLC	4. ADDRESS 5508 Lonas Dr.				PICK-UP DATE / 20/2018		
E	PHONE NO. (865) 588-7488	CITY Knoxville,	STATE TN	37909	ZIP 6.'	INRCC I.D. NO	_	
	7. NAME OR DESCRIPTION OF WASTE SHIPPE			8, CON No.	TAINERS	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
N	b.							
Έ	C.				<u></u>			
R	30780 34,88	\bigcirc				13. WASTE F	POFILEN	
А	12. COMMENTS OR SPECIAL INSTRUCTIONS: SPILL DELAWARE BASIN NEAR 128		· 1.51	old			718806	
Т	14. IN CA	ASE OF EMER(PH75-887-404		LL, CO	NTACT	24-HOUF	R EMERGE	NCY NO.
0	15.GENERATOR'S CERTIFICATION: shipping name and are classified, packed, marked, ar international and national government regulations, in	nd labeled, and are in	all respects in proper	condition f	for transpo	rt by highway ac	cording to a	applicable
R	PRINTED/TYPED NAME		SIGNATURE		_			DATE
T R A	16. TRANSPORTER (1) NAME: EES / GANDY COR	P	17. NAME:	Т	RANSP	ORTER (2)		
N S P	TEXAS I.D. NO, JASO IN CASE OF EMERGENCY CONTACT 575) 39		TEXAS I.D. NO		CY CONT	ACT:		
O R	EMERGENCY PHONE: 18. TRANSPORTER (1): Acknowledgment	of receipt of material	EMERGENCY]	PHONE: ORTER	(2): Ack	nowledgment of	receipt of i	material
T E R	PRINTED/TYPED NAME Joe Ve	(enzae/a 7/20/201	PRINTED/TYP					
S	SIGNATURE Joe When the	DATE	SIGNATURE				DATE	
DI			le Marker 64, Miles East of			-		87-4048
I A S C P I O I	PERMIT NO. WM-01-035 - New Me	exico	20, COMMENTS					
S I A T	21.DISPOSAL FACILITY'S CERTIFI facility is authorized and permitted to receive such		y certify that the abov	ve describe	ed wastes w	were delivered to	this facility	y, that the
	AUTNORIZED SIGNATURE	m70/17	CELL NO.		D	ATE 7/20/2018		$\frac{11ME}{1}, \frac{03}{5}$

	LEA LAND DISPOSAT MILE MARKER #64 US HWY 62/180 • 30 MILES HA					KIC	0
	LEA LAN 1300 West main street • oklahoma		PHONE (4	105) 236-4	257	indi	4
NO	N-HAZARDOUS WASTE MANIFEST NO	125240	1. PA	GEOF	2. TRAIL	ER NO,	393
G	Pilot Travel Centers, LLC 5508 Conas Dr.			57	2372018 DATE	-	
Е	(865) 588-7488 Khoxville,	TÑTATE	37909		INRCC I.D. NO		
N	7. NAME OR DESCRIPTION OF WASTE SHIPPED: Non-Regulated. Non Hazardous Waste a.		8, CON No.	TAINERS Type	9, TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
	b,						
Е	o. WT:	· · · · · · · · · · · · · · · · · · ·					
R	^{d.} <u>40020 38,420 40,080</u> SPRIMMENAWARE BASING VEAR 928	2			13. WASTE P	795806N	0.
A		119,0	DAD	i			
Т	14. IN CASE OF EMERGY		.L, CO1	NTACT	24-HOUR	REMERGE	NCY NO.
0	15.GENERATOR'S CERTIFICATION: I Hereby declare that the shipping name and are classified, packed, marked, and labeled, and are in all international and national government regulations, including applicable states the states of	respects in proper co	ondition fo	or transpor	t by highway ac	cording to a	pplicable
R	PRINTED/TYPED NAME	SIGNATURE					DATE
T R A N S P	16. TRANSPORTER (1) EES / GANDY CORP NAME:	17. NAME: TEXAS I.D. NO. IN CASE OF EM			DRTER (2)		
O R T E R	EMERGENCY PHONE: 18. TRANSPORTER (1): Acknowledgment of receipt of material PRINTED/TYPED NAME Rycly SAUCH 57/23/2018	EMERGENCY PI 19. TRANSPO PRINTED/TYPE	RTER				
S	SIGNATURE TUR AMC DATE 7-23-18	SIGNATURE				DATE	
D F I A	30 N	Marker 64, U Ailes East of C		•	80, PHONE		87-4048
S C P I	PERMIT NO. WM-01-035 - New Mexico	20. COMMENTS					
O I S I A T	21.DISPOSAL FACILITY'S CERTIFICATION: I Hereby (certify that the above	described	l wastes w	ere delivered to	this facility	, that the
	authorized signature	CELL NO.	-	DA	7/23/2018	Т	™D j 3D
CENE	RATOR: COPIES 1 & 6 DISPOSAL SIT	E: COPIES 2 & 3			TPANS	DODTEDS	: COPIES 4 & 5

	LEA LAND DISPOSAL SITE NEW MEXICO MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048										
	LEA LAN 1300 WEST MAIN STREET • OKLAHOMA		PHONE (405) 2	236-4257	Ga	nd	U				
NO	N-HAZARDOUS WASTE MANIFEST	125241	1. PAGE_	_OF	2. TRAILE	R NO,	370				
G	3. COMPANY NAME Pilot Travel Centers, LLC 5508 Lonas Dr.	2 2 - 2		5. PICK 7/23/	-UP DATE 2018						
	(865) 588-7488 CITY Knoxville,	TN TN	37909 ^{ZIP}	6, TNR	CC I.D. NO,						
E	7. NAME OR DESCRIPTION OF WASTE SHIPPED: Non-Regulated, Non Hazardous Waste		8. CONTAIN No. Ty			l0. UNIT Wt/Vol.	11. TEXAS WASTE ID #				
Ν	a.										
E	ь. с.										
	MT: ^d ZIMON XIMIN RI	892									
R	SPICE DELAWARE BASINS NEAR 128	2017	<u> </u>	13	3. WASTE PR	OFILE NO 18800	0,				
А	TP 4	<u>3,440</u>	- CONTRA								
Т	IN CASE OF EMERG VOE ONTIVEROS P575 687-4046		al, CON1A		24-HOUR	EMERGE	NCY NO.				
0	15. GENERATOR'S CERTIFICATION: I Hereby declare that shipping name and are classified, packed, marked, and labeled, and are in al international and national government regulations, including applicable stat	1 respects in proper c	ondition for tra	nsport by	highway acco	ording to a	pplicable				
R	PRINTED/TYPED NAME	SIGNATURE					DATE				
T	16. TRANSPORTER (1) EES / GANDY CORP	17.	TRAM	NSPOR	TER (2)						
R A	NAME:	NAME:									
N S	TEXAS I.D. NO.	TEXAS I.D. NO.	EDGENOV O	ONTACT							
P O	IN CASE OF EMERGENCY CONTA (575) 396-4948 EMERGENCY PHONE:	EMERGENCY P		UNIACI.							
R T	18. TRANSPORTER (1): Acknowledgment of receipt of material	19. TRANSPO		Acknow	ledgment of r	eceipt of r	material				
E R	PRINTED/TYPED NAME / JOE Valenziele 7/23/2018	PRINTED/TYPI	ed name								
S	SIGNATURE The Vehigete DATE	SIGNATURE			E	DATE					
DI		e Marker 64, U	-		PHONE:	575-8	87-4048				
IA		Miles East of (20. COMMENTS	Jansbad, I	NIVI							
P	WM-01-035 - New Mexico										
O S A	21.DISPOSAL FACILITY'S CERTIFICATION: I Hereby facility is authorized and permitted to receive such wastes.	certify that the abov	e described wa	stes were	delivered to t	his facility	, that the				
	AUTHORIZED SIGNATURE	CELL NO.	-	DA T 5	3/2018	Ĭ	IME 45				
GEN	REATOR COPIES 1 & 6 DISPOSAL ST	FF: COPIES 2 & 3	1		TRANS	PORTERS	COPIES 4 &				

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i 	LEA LAND DIS MILE MARKER #64 US HWY					XICO				
	1300 WEST MAIN ST		ND, LLC MA CITY, OK 73106 • 1	PHONE (405) 2	236-4257	andy				
NO	N-HAZARDOUS WASTE MANIF	EST NO	125273	1. PAGE	_OF 2. TRAI	LER NO. 37D				
0	3. COMPANY NAME Pilot Travel Centers, LLC	4. ADDRESS 5508 Lonas D		1 - 2	5. PICK-UP DATI 7/24/2018	E				
G	PHONE NO. (885) 588-7488	CITY Knoxville,	STATE TN	ZIP 37909	6. TNRCC I.D. N	0.				
Е	7. NAME OR DESCRIPTION OF WASTE SHIPPE	D:		8. CONTAIN No. Ty	PERS 9. TOTAL Pe QUANTITY	10. UNIT 11. TEXAS Wt/Vol. WASTE ID #				
N	a. Non-Regulated, Non Hazardous Was	ste			1					
	b.		· · · · · · · · · · · · · · · · · · ·							
E	с.		· · · · · · · · · · · · · · · · · · ·							
n	WT: 35110 316	80 7	331.80							
R	12. COMMENTS OR SPECIAL INSTRUCTIONS:			<u>1</u> I	13. WASTE	PROFILE NO.				
Α	SPILL DELAWARE BASIN NEAR 128		TO 103	MOD		718806				
			RGENCY OR SPI	LL, CONTA	CT	D VMEDGENCY NO				
Т	NAME JOE ONTIVEROS									
0	15. GENERATOR'S CERTIFICATION: shipping name and are classified, packed, marked, ar international and national government regulations, in	id labeled, and are in	n all respects in proper c	ondition for tra	nsport by highway a	ccording to applicable proved by LEA L'AND, LLC				
R	PRINTED/TYPED NAME		SIGNATURE			DATE				
Т	16, TRANSPORTER (1)		17.	TRAN	NSPORTER (2)	•				
R A	NAME: <u>EES / GANDY COR</u>	<u>P</u>	NAME:							
N S	TEXAS I.D. NO.		TEXAS I.D. NO.							
P O	IN CASE OF EMERGENCY CONTACT: JASO (575) 39	6-4948	IN CASE OF EM		ONTACT:					
R T	EMERGENCY PHONE: 18. TRANSPORTER (1): Acknowledgment	of receipt of materi	EMERGENCY P ial 19. TRANSPO		Acknowledgment	of receipt of material				
Е	PRINTED/TYPED NAME / Joc Va	lenzuela	PRINTED/TYPE	ed name						
R S	SIGNATURE AUX Valence	С _{БАТЕ} 7/24/20				DATE				
		ADDRESS:		·	PHON	Е;				
	Lea Land, LLC	1	1ile Marker 64, U		•	575-887-4048				
		3	0 Miles East of 0	Jarisbad, I						
~	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	xico								
S	L 21.DISPOSAL FACILITY'S CERTIFIC facility is authorized and permitted to receive such	CATION: I Here	eby certify that the abov	e described was	stes were delivered t	to this facility, that the				
	Y AUTHORIZED SIGNATURE	10/02	CELL NO.		DATE 7/24/2018	TIME, 30				
GEN	ERATOR: COPIES I & 6	DISPOSAL	SITE: COPIES 2 & 3		TRAI	NSPORTERS: COPIES 4 &				

, ,	LEA LAND DIS						KIC	0	
	1300 WEST MAIN STR		ND, LLC A CITY, OK 73106 •	PHONE (405) 236	-4257	300	his	
NON	I-HAZARDOUS WASTE MANIFE	ST NO	125274	1. PA	GE_O	F 2. TRAII	ER NO. Z	SCID	
G	3. COMPANY NAME Pilot Travel Centers, LLC	ADDRESS 508 Lonas Dr.			5	PICK-UP DATE			
Е		aty (noxville,	STATE TN	37909	ZIP 6	. TNRCC I.D. NC).		
~	7. NAME OR DESCRIPTION OF WASTE SHIPPED			8. CON No.	TAINER Type	S 9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11, TEXAS WASTE ID #	
N	n, Non-Regulated, Non Hazardous Wast	ę							
_	b.								
E	C.								
R	39,020 34.8	80 1	40.420						
A	12. COMMENTS OR SPECIAL INSTRUCTIONS: SPILL DELAWARE BASIN NEAR 128		TA 112	1.32	Ď	13. WASTE F	PROFILE N 718806	Ο,	
ļ		E OF EMERG	ENCY OR SPI	LĹ, CO	NTAC.	ſ		1.01	
Т	NAME PHONE NO 24-HOUR EMERGENCY NO. JOE ONTIVEROS 575-887-4048 24-HOUR EMERGENCY NO.								
Ö	15. GENERATOR'S CERTIFICATION: I shipping name and are classified, packed, marked, and international and national government regulations, inc	labeled, and are in a	ll respects in proper c	ondition f	or transp	ort by highway ac	cording to a	pplicable	
R	PRINTED/TYPED NAME	10 III I	SIGNATURE					DATE	
T	16. TRANSPORTER (1)		17.	T	RANSJ	PORTER (2)			
R A	NAME: EES / GANDY CORP		NAME:						
N S	TEXAS I.D. NO.		TEXAS I.D. NO.						
P O	IN CASE OF EMERGENCY CONTACT: JASON (575) 396-	4948	IN CASE OF EM		Y CON	FACT:			
R T	EMERGENCY PHONE; 18. TRANSPORTER (1): Acknowledgment of	receipt of material	EMERGENCY P 19, TRANSPO		(2): Ac	knowledgment of	receipt of r	nateria!	
E R	PRINTED/TYPED NAME JOSC Gen	nialez		D NAME	۱ <u> </u>	<u></u>			
S	PRINTED/TYPED NAME JOSE Gen SIGNATURE Joe Hack	7/24/2018	SIGNATURE				DATE		
┢──		ADDRESS:				PHONE	:		
D F	Lea Land, LLC		e Marker 64, U Miles East of (*		575-88	87-4048	
I A S C	PERMIT NO.		20. COMMENTS	Jai 100a	~~ <u>, 1919</u> .	<u> </u>			
P I O L	WM-01-035 - New Mexi								
S I A T	21. DISPOSAL FACILITY'S CERTIFIC , facility if authorized and permitted to receive such w		certify that the above	e described	d wastes	were delivered to	this facility	, that the	
LY	AUTHORIZED SIGNATURE	7 alet	CELL NO.		D	ATE 7/24/2018	T	D.	
GENE	ATOR: COPIES 1 & 6		E: COPIES 2 & 3			TDANS	PUDTEDS	: COPIES 4 & 5	

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	LEA LAND DISPOSAL SITE NEW MEXICO MILE MARKER #64 US HWY 62/180 · 30 MILES EAST OF CARLSBAD, NM · PHONE (575) 887-4048									
-	1300 WEST MAIN STI	LEA LAI REET • OKLAHOMA	,	PHONE (40	05) 236-4	257 60	ndi	15		
NON	- HAZARDOUS WASTE MANIFI	EST NO	125275	1, PAG	EOF	2. TRAIL	ER NO,	378		
G	3 COMPANY NAME Pilot Travel Centers, LLC	4 ADDRESS 5508 Lonas Dr.			57	PICK_UP DATE 24/2018				
E	PHONE NO. (865) 588-7488	CITY Knoxville,	STATE TN	37909 ^Z	CIP 6.7	FNRCC I.D, NO				
	7. NAME OR DESCRIPTION OF WASTE SHIPPE			8. CONT	'AINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #		
Ν	a. Non-Regulated, Non Hazardous Wat	re								
Е	b.						· · · · · · · · · · · · · · · · · · ·			
		۱	Nout							
R	12, COMMENTS OR SPECIAL INSTRUCTIONS:	UD_i	X3,440	·]]		13. WASTE P	ROFILE N	O,		
A	SPILL DELAWARE BASIN NEAR 128	- TP	103.7	14D			718808			
	NAME	SE OF EMERG		LL, CON	TACT	24-HOUR	EMERGE	NCY NO.		
T	T JOE ONTIVEROS 575-887-4048									
0	15. GENERATOR'S CERTIFICATION: shipping name and are classified, packed, marked, an international and national government regulations, in	d labeled, and are in al	l respects in proper c	ondition for	r transpor	rt by highway acc	cording to a	pplicable		
R	PRINTED/TYPED NAME		SIGNATURE	·				DATE		
Т	16. TRANSPORTER (1)		17.	TR	ANSP	ORTER (2)				
R A	NAME: EES / GANDY CORF	2	NAME:							
N S	TEXAS I.D. NO.	Ісції те	TEXAS I.D. NO.							
P O	IN CASE OF EMERGENCY CONTACT:	-4948	IN CASE OF EM		Y CONTA	ACT:				
R	EMERGENCY PHONE: 18. TRANSPORTER (1): Acknowledgment (of receipt of material	EMERGENCY P 19. TRANSPO		(2): Ack	nowledgment of	receipt of r	naterial		
T E R	PRINTED/TYPED NAME	driquer	PRINTED/TYPE	ED NAME						
S	PRINTED/TYPED NAME Jesus Nu SIGNATURE Gerbin	7/24/2018	SIGNATURE				DATE			
	Lea Land, LLC	ADDRESS: Mile	e Marker 64, U	J.S. Hw		PHONE		87-4048		
D F I A			Miles East of C		-					
S C P I	1 XX7X # 01 02 € XTaver X # av	kico	20. COMMENTS							
OI SI A T	21.DISPOSAL FACILITY'S CERTIFIC facility is authorized and permitted to receive such		certify that the above	e described	wastes w	vere delivered to	this facility	, that the		
LY	AUTRORIZED SIGNATURE	CADAT.	CELL NO.	and the second	1	ITE 7/24/2018	T	^{іме} , 25 D		
GENE	RATOR: COPIES 1 & 6	DISPOSAL SIT	È: COPIES 2 & 3			TRANS	SPORTERS	; COPIES 4 & :		

COPY 1

1	LEA LAND DIS MILH MARKER #64 US HWY						KIC	0
	1300 WEST MAIN ST	LEA LA	· ·	PHONE (40	5) 236-42	57 G	$a n \alpha$	us
NON	-HAZARDOUS WASTE MANIF	EST NO	125325	1. PAGI	eOF	_ 2. TRAII	,ER NO,	370
G	3. COMPANY NAME Pilot Travel Centers, LLC	4, ADDRESS 5508 Lonas Dr.		-		CK-UP DATE 5/2018		
	PHONE NO. (865) 588-7488	CITY Knoxville,	STATE TN	ZI 37909	IP 6. TI	VRCC I.D. NC).	
лс.	7. NAME OR DESCRIPTION OF WASTE SHIPPE	D:		8, CONTA No. 1	AINERS Type	9. TOTAL OUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
N	a, Non-Regulated, Non Hazardous Wa	ste				<u>``</u>		
	b.							
Е	с.	••••••••••••••••••••••••••••••••••••••						
	M. Janih Do 20	1						
R	$\alpha_{12}\alpha_{12}$ α_{12} α_{12} α_{12}					13. WASTE I	I PROFILE N	о. ТО,
A	SPILL DELAWARE BASIN NEAR 128	10	101.510	\mathcal{D}			718806	
		ASE OF EMERG	ENCY OR SPI	LL, CON	TACT			
Т	NAME JOE ONTIVEROS	PHONE NO 575-887-404	8			24-HOUF	R EMERGE	NCY NO.
0	15.GENERATOR'S CERTIFICATION: shipping name and are classified, packed, marked, ar international and national government regulations, in	nd labeled, and are in a	Il respects in proper o	condition for	transport	by highway ac	cording to a	ipplicable
R	PRINTED/TYPED NAME		SIGNATURE					DATE
T	16. TRANSPORTER (1)		17.	TR	ANSPO	RTER (2)		
R	NAME: EES/GANDY COR	<u>P.</u>	NAME:					
A N	TEXAS I.D. NO,		TEXAS I.D. NO.					
S P	IN CASE OF EMERGENCY CONTACT	N SHULTS	IN CASE OF EM	IERGENCY	CONTAC	CT:		
O R	EMERGENCY PHONE:	0-4948	EMERGENCY P					
T E	18. TRANSPORTER (1): Acknowledgment PRINTED/TYPED NAME Joe Vele	of receipt of material	19. TRANSPO	,				natena:
R		7/25/201	PRINTED/TYPI B	ED NAME _				
S	SIGNATURE Joe V-/en-	DATE	SIGNATURE				DATE	
	Lea Land, LLC	ADDRESS: Mil	e Marker 64, J	US Hwy	v 62/18	PHONE 0		87-4048
D F			Miles East of (-	·	~,	272 0	
I A S C P I	PERMIT NO. WM-01-035 - New Me	xico	20. COMMENTS					
OL SI AT	21. DISPOSAL FACILITY'S CERTIFIC facility is authorized and permitted to receive such		certify that the above	e described '	wastes wei	re delivered to	this facility	, that the
LY	AUTHORIZED SIGNATURE	107	CELL NO.		DAT 7.	e / 25/2018	т 	D. 40
GENEF	ATOR: COPIES 1 & 6		TE: COPIES 2 & 3		<u> </u>	TRAN	SPORTERS	COPIES 4 & :

<u> </u>	LEA LAND DISPOSAL SITE NEW MEXICO MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048									
		1300 WEST MAIN ST	LEA LA		PHONE (405) 236-425	, G	ano	WC.	
Ň	ON	-HAZARDOUS WASTE MANIF	EST NO	125326	I, PAGE	OF	2. TRAII	ER NO,	3LD	
6		3. COMPANY NAME Pilot Travel Centers, LLC	4. ADDRESS 5508 Lonas Dr.			5, PIC 7/25	:K-UP DATE 5 /2018			
F		PHONE NO. (865) 588-7488	city Knoxville,	STATE TN	ZIP 37909	9 6. TN	RCC I.D. NC).		
		7. NAME OR DESCRIPTION OF WASTE SHIPPE a. Non-Regulated, Non Hazardous Wa b.			8. CONTAI No,		9. TOTAL QUANITTY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #	
I		WT. ZM 50m 21007	<u></u>							
F A		12. COMMENTS OR SPECIAL INSTRUCTIONS: SPILL DELAWARE BASIN NEAR 128	10	(29,4)	DD		13. WASTE F	 PROFILE N 718806	0.	
1	C	NAME JOE ONTIVEROS	ASE OF EMERG PHONE NO 575-887-4048	3				R EMERGE		
)	15.GENERATOR'S CERTIFICATION: shipping name and are classified, packed, marked, ar international and national government regulations, in	nd labeled, and are in a	I respects in proper c	ondition for t	ransport b	y highway ac	cording to a	pplicable	
]	х	PRINTED/TYPED NAME		SIGNATURE					DATE	
	Г	16. TRANSPORTER (1)	·	17.	TRA	NSPOI	RTER (2)			
	R A	NAME: EES / GANDY COR	2	NAME:						
	Ň S	TEXAS I.D. NO.		TEXAS I.D. NO.						
	P	IN CASE OF EMERGENCY CONTACT: JASO (575) 39	N SHULTS	IN CASE OF EM	IERGENCY (CONTAC	ľ:			
	D R	EMERGENCY PHONE:		EMERGENCY P		A alm	uladoma-t cf	'reneint of -	natorial	
	Г Е	18. TRANSPORTER (1): Acknowledgment PRINTED/TYPED NAME Jose Go		PRINTED/TYPE	. ,					
	R S	SIGNATURE for long	7/25/2018 DATE	SIGNATURE				DATE		
D	F	Lea Land, LLC		e Marker 64, U Miles East of (•), PHONE		87-4048	
I S P O	A C I L	PERMIT NO. WM-01-035 - New Me		20. COMMENTS						
S A	L I T	21. DISPOSAL FACILITY'S CERTIFIC facility is authorized and permitted to receive such		certify that the above	e described w	astes were	delivered to	this facility	, that the	
L	Y	AUTHORIZED SIGNATURE	7 ADOF	CELL NO.		DATE	25/2018	T	IME 25	
GE	NER	ATOR: COPIES 1 & 6		TE: COPIES 2 & 3 PY 1			TRANS	SPORTERS	: COPIES 4 &	

	LEA LAND DIS MILE MARKER #64 US HWY						KIC	0	
	LEA LAND, LLC 1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257								
NON	-HAZARDOUS WASTE MANIF	EST NO	125327	1. PA	GE_C)F 2, TRAIL	ER NO,	378	
G	Pilot Travel Centers, LLC	4 ADDRESS 5508 Lonas Dr.		_	ŝ	7/25/2018		<u> </u>	
E	PHONE NO. (865) 588-7488	city Knoxvillė,	STATE TN	37909		5, TNRCC I.D. NO	. .		
. <i>Е</i> .	7. NAME OR DESCRIPTION OF WASTE SHIPPE	iD:		8. CON No.	TAINEF		10. UNIT Wt/Yol.	11. TEXAS WASTE ID #	
Ν	a, Non-Regulated, Non Hazardous Wa	ste			1990	- Contract	110 104		
	Ь.								
Е	¢.								
-	WT.ZZQQA DMMI							l	
R	12. COMMENTS OR SPECIAL INSTRUCTIONS:	el			l <u></u>	13. WASTE P	ROFILĖ N] O.	
А	SPILL DELAWARE BASIN NEAR 128		TO MIL	140			71880 6		
1		ASE OF EMERG	ENCY OR SPII	LL, CO	NTAC				
Т	JOE ONTIVEROS	PHONE NO 575-887-4048	}			24-HOUR	EMERGE	NCY NO.	
0	15. GENERATOR'S CERTIFICATION: shipping name and are classified, packed, marked, ar international and national government regulations, in	nd labeled, and are in al	l respects in proper c	ondition fo	or transp	ort by highway acc	cording to a	pplicable	
R	PRINTED/TYPED NAME		SIGNATURE					DATE	
T	16. TRANSPORTER (1)		17.	T	RANS	PORTER (2)		······································	
R A	NAME: EES / GANDY COR	P	NAME:		÷				
N S	TEXAS I.D. NO.		TEXAŜ I,D, NO.						
P O	IN CASE OF EMERGENCY CONTACT: JASO! (575).39	N SHULTS 6-4948	IN CASE OF EM	ERGENC	Y CON	TACT:			
R	EMERGENCY PHONE: 18. TRANSPORTER (1): Acknowledgment		EMERGENCY P		(2); Ad	knowledgment of	receipt of r	naterial	
T E			PRINTED/TYPE	D NAME		_	-		
R S	PRINTED/TYPED NAME	7/25/2018			-		DATE		
	SIGNATOREY	ADDRESS:	SIGNATURE			PHONE:		 .	
	Lea Land, LLC		e Marker 64, U	J.S. Hw	vy 62/			87-4048	
D F I A	· · · · · · · · · · · · · · · · · · ·	30 1	Miles East of C	Carlsba	d, NM	1	·····		
S C P I	WM-01-035 - New Me	xico	20. COMMENTS						
O L S I A T	21. DISPOSAL FACILITY'S CERTIFIC facility is authorized and permitted to receive such		Hereby certify that the above described wastes were delivered to this facility, that the					, tha: the	
LY	AUTHORIZED SIGNATURE	YADAM.	CELL NO.		E	ATE 7/25/2018	T	IME, D	
GENEF	$\begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} $	DISPOSAL SIT	E: COPIES 2 & 3		1		PORTERS	COPIES 4 & 5	

COPY 1

· ·	LEA LAND DIS MILE MARKER #64 US HWY						KIC	0		
	LEA LAND, LLC 1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257 GANGY									
NON	N-HAZARDOUS WASTE MANIF	EST NO	125357	1. PA	GEOI	2. TRAIL	.ER NO.	3CeD		
G	3. COMPANY NAME Piløt Travel Centers, LLC	4. ADDRESS 5508 Lonas Dr.		-	5. 7	PICK-UP DATE				
E	PHONE NO. (865) 588-7468	CITY Knoxville,	STATE TŃ	37909	ZIP 6.	TNRCC I.D. NO				
	7. NAME OR DESCRIPTION OF WASTE SHIPPE	SD;		8, CON No.	TAINERS Type	9. TOTAL QUANTITY	10, UNIT Wt/Vol.	11. TEXAS WASTE ID #		
Ν	a, Non-Regulated, Non Hazardous Wa	ste								
	b.			1						
E	C,									
R	34360 31,3	D 4D	1000	1						
A	12. COMMENTS OR SPECIAL INSTRUCTIONS: SPILL DELAWARE BASIN NEAR 128	•	\overline{a} $ 1 $	211	<u>^</u>	13. WASTE F	ROFILE N 718806	0.		
		SE OF EMERG	ENCY OR SPI	LL, CO	NTACI					
Т	JOE ONTIVEROS	PHONE NO 575-887-404 8	3			24-HOUF	EMERGE	NCY NO.		
0	15. GENERATOR'S CERTIFICATION: shipping name and are classified, packed, marked, ar international and national government regulations, in	nd labeled, and are in al	l respects in proper c	ondition f	or transpo	rt by highway ac	cording to a	pplicable		
R	PRINTED/TYPED NAME		SIGNATURE					DATE		
T	16. TRANSPORTER (1)		17.	T	RANSF	ORTER (2)				
R A	NAME: EES / GANDY CORI		NAME:							
N S	TEXAS I.D. NO.		TEXAS I.D. NO.							
P O	IN CASE OF EMERGENCY CONTACT: JASOI (575) 39	6-4948	IN CASE OF EM		CY CONI	ACT:				
R T	EMERGENCY PHONE: 18. TRANSPORTER (1): Acknowledgment	of receipt of material	EMERGENCY P 19. TRANSPO		(2): Acl	cnowledgment of	receipt of r	naterial		
E	PRINTED/TYPED NAME Jose G	analur	PRINTED/TYPE	ED NAME	l					
R S	SIGNATURE free fait	7/26/2018 DATE	SIGNATURE				DATE			
-		ADDRESS;				PHONE				
DF	Lea Land, LLC		e Marker 64, U		•	· •	575-8	87-4048		
I A S C P I	PERMIT NO.		Miles East of (20. comments	Jarisda	iu, INIVI	l				
	21. DISPOSAL FACILITY'S CERTIFIC	CATION: I Hereby	certify that the above	e describe	d wastes v	were delivered to	this facility	, that the		
		XX 0 07.	CELL NO.	~	D	ATE 7/26/2018	2	тме 45. 1.		
CIENIE	RATOR: COPIES 1 & 6		- <u>I</u>		1	TRANS	PORTERS	COPIES 4 & 5		

LEA LAND DISPOSAL SITE NEW MEXICO MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048									
	1300 WEST MAIN STI	LEA LA		PHONE (405)	236-4257	Ga	ndi	1	
NQN	-HAZARDOUS WASTE MANIFI	EST NO	125358	I, PAGE	_OF	2. TRAILEI	R NO.	378	
G	Pilot Travel Centers, LLC	4 ADDRESS 5508 Lonas Dr.			57/26/2	DATE			
	PHONE NO. (865) 588-7488	CITY Knoxville,	TN	37909 ^{ZIP}	6, TNRC	C I.D. NO.			
	7. NAME OR DESCRIPTION OF WASTE SHIPPE a. Non-Regulated, Non Hazardous Was		·	8. CONTAIN No. T			0. UNIT Wt/Vol.	11. TEXAS WASTE ID #	
Е	ь. с.								
R	12. COMMENTS OR SPECIAL INSTRUCTIONS:	0 35,	680		12	WASTE PRO			
А	12. COMMENTS OR SPECIAL INSTRUCTIONS: SPILL DELAWARE BASIN NEAR 128		P 1080	320	13.		18806	<u> </u>	
Т	IA. IN CA NAME JOE ONTIVEROS	SE OF EMERG PHONE NO 575-887-4048		LL, CONTA	ACT	24-HOUR E	BMERGE	NCY NO.	
0	15. GENERATOR'S CERTIFICATION: shipping name and are classified, packed, marked, an international and national government regulations, in	id labeled, and are in a	ll respects in proper c	ondition for tra	insport by h	ighway accor	rding to a	pplicable	
R	PRINTED/TYPED NAME		SIGNATURE					DATE	
Т	16. TRANSPORTER (1)		17.	TRA	NSPORT	ER (2)			
R A	NAME: EES / GANDY CORF	2	NAME:						
N S	TEXAS I.D. NO.		TEXAS I.D. NO.						
Р	IN CASE OF EMERGENCY CONTACT: (575) 39	N SHULTS	IN CASE OF EM	IERGENCY C	ONTACT:				
O R	EMERGENCY PHONE: 18. TRANSPORTER (1): Acknowledgment		EMERGENCY P		L A alco ovela	doment of ra		natarial	
T E R	PRINTED/TYPED NAME Dectors N SIGNATURE PLUM		PRINTED/TYPE						
s	SIGNATURE REINA	7/26/201 DATE	SIGNATURE			D	ATE		
DF	Lea Land, LLC		e Marker 64, U	-		PHONE:	575-8	87-4048	
I A S C P I	PERMIT NO. WM-01-035 - New Mer		Miles East of (20. COMMENTS	2a1150a0, 1	. YIYI	!			
OL SI AT	21. DISPOSAL FACILITY'S CERTIFIC facility is authorized and permitted to receive such		certify that the above	e described wa	stes were de	livered to th	is facility	, that the	
ΓŶ	authorized signature	Falt	CELL NO.		DATE 7/28	/2018	Ž	IME 55	
GENER	ATOR: COPIES I & 6		TE: COPIES 2 & 3 PY 1			TRANSP	ORTERS	: COPIES 4 &	

à	LEA LAND DIS MILE MARKER #64 US HWY						KIC	0
	1300 WEST MAIN S		ND, LLC	PHONE (405) 236-4	4257	and	u_
NON	-HAZARDOUS WASTE MANII	FEST NO	125402	I. PA	GEOF	2. TRAIL	ER NO	34D
G	Pilot Travel Centers, LLC	5508 Lonas Di			لا	2772018		
Ē	PHONE NO. (865) 588-7488	CITY Knoxville,	STATE TN	37909	ZIP 6.	TNRCC I.D. NC),	
ь N	7. NAME OR DESCRIPTION OF WASTE SHIPP Non-Regulated, Non Hazardous Wa a.			8, CON No,	TAINERS Type	9. TOTAL QUANTITY	10, UNIT Wt/Vol,	11. TEXAS WASTE ID #
E	b. c,		· · · · · · · · · · · · · · · · · · ·					
R	MT: d. 37,210 44,0 12. COMMENTS OF SPECIAL INSTRUCTIONS	20				13. WASTE I	ROFILEN	10
A	SPILL DELAWARE BASIN NEAR 12	8	TO 81,20	10	1. 17 June 1. June 1.		718806	
т	14. IN C NAME JOE ONTIVEROS	ASE OF EMER PHONE NO 575-887-40	GENCY OR SPI 48	<u>ll, CO</u>	NTACT	24-HOUF	EMERGE	INCY NO.
0	15. GENERATOR'S CERTIFICATION shipping name and are classified, packed, marked, a international and national government regulations,	and labeled, and are in	all respects in proper	condition i	for transpor	rt by highway ac	cording to a	upplicable
R	PRINTED/TYPED NAME		SIGNATURE					DATE
T	16. TRANSPORTER (1)	·	17.	T	RANSP	ORTER (2)		
R A	NAME: EES / GANDY COE	<u> </u>	NAME:					
N S	TEXAS I.D. NO.	N SHULTS	TEXAS I.D. NO					
P O	I TALC'A CE CE EMEDICENICY CONFRACTS	36-4948	IN CASE OF EN		CY CONTA	ACT:		
R	EMERGENCY PHONE: 18. TRANSPORTER (1): Acknowledgmer	t of receipt of materia	EMERGENCY I al 19, TRANSP		(2); Ack	nowledgment of	receipt of	material
T E R	PRINTED/TYPED NAME		PRINTED/TYP					
S	SIGNATURE L Jak Hank	DATE					DATE	
D F	Lea Land, LLC	1	ile Marker 64, Miles East of		•			87-4048
I A S C P I O L	DEDI (CENC)		20. COMMENTS					
S I A T	<u>}</u>		by certify that the abov	ve describe			this facility	, that the
	authorized signature	7002	CELL NO.			ate 7/27/2018	Ĭ	7, 35 7,
GENEI	ATOR: COPIES I & 6	DISPOSAL S	SITE: COPIES 2 & 3			TRAN	SPORTERS	COPIES 4 & 5

· •

COPY 1

	•	LEA LAND DIS MILE MARKER #64 US HWY						CO
		1300 WEST MAIN ST	LEA LAN REET • OKLAHOMA		PHONE (405) 2	36-4257	Gar	du
NO	N	HAZARDOUS WASTE MANIF	EST NO	125403	1. PAGE_	OF	2, TRAILER N	o. (37D
G		3. COMPANY NAME Pilot Travel Centers, LLC	4. ADDRESS 5508 Lonas Dr.			5, PICK- 7/27/2	UP DATE D18	
		PHONE NO.	CITY	STATE	ZIP	6. TNRC	C I.D. NO,	
Е	H	(865) 588-7488	Knoxville,	TN	37909 [8. contain	FRS 9	TOTAL 10. U	INIT 11. TEXAS
	L	7. NAME OR DESCRIPTION OF WASTE SHIPPE			No. Ty		ANTITY Wt/	
N		Non-Regulated, Non Hazardous Wa						
Е).				_		
R		31,8LeD 34,180	39,6	20				
	_ I	12. COMMENTS OR SPECIAL INSTRUCTIONS: SPILL DELAWARE BASIN NEAR 128				13,	WASTE PROFI 7188	
A			ASE OF EMERG	<u>0 105,1</u>	$\frac{I(l())}{I(l)}$	CT		,
Т		NAME	PHONE NO				24-HOUR EME	RGENCY NO.
JOE ONTIVEROS 575-897-4048 15.GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described								ibad above by proper
0		IS GENERATOR'S CERTIFICATION: shipping name and arc classified, packed, marked, ar international and national government regulations, u	nd labeled, and are in al	l respects in proper of	ondition for trai	nsport by h	ighway accordin	g to applicable
R		PRINTED/TYPED NAME		SIGNATURE				DATE
T		16. TRANSPORTER (1)		17.	TRAN	SPORT	ER (2)	
R A		NAME: EES/GANDY COR	<u>P.</u>	NAME:		. · ·		
N S	Í	TEXAS I,D. NO.		TEXAS I.D. NO.				
P		IN CASE OF EMERGENCY CONTACT: JASO		IN CASE OF EM	ERGENCY CO	ONTACT:		
O R		EMERGENCY PHONE: 18. TRANSPORTER (1): Acknowledgment		EMERGENCY P 19. TRANSPO		Acknowle	dgment of recei	ot of material
T E		PRINTED/TYPED NAME JOC Vel	· /	PRINTED/TYPE				
R S		Xar I have	7/27/2018	3			DATE	
		SIGNATURE	DATE ADDRESS:	SIGNATURE	· · · · · · · · · · · · · · · · · · ·		PHONE:	
		Lea Land, LLC		e Marker 64, U	J.S. Hwy 6	52/180,	1	5-887-4048
D I	F A		30 1	Miles East of C	Carlsbad, N	IM		
S P	C I	PERMIT NO. WM-01-035 - New Me	xico	20. COMMENTS				
0 S	Ĺ	21.DISPOSAL FACILITY'S CERTIFI	CATION: I Hereby	certify that the above	e described was	tes were de	livered to this f	acility, that the
Α	Ť	facility is authorized and permitted to receive such		- 				
L	Y	AUTRIORIZED SIGNATURE	70017	CELL NO.		DATE 7/27	/2018	$q^{\text{TIME}}, 50$
GEN	VER	ATOR: COPIES 1 & 6		TE: COPIES 2 & 3			TRANSPOR	TERS: COPIES 4 & :

ICO
ndy
ER NO. 37D
10. UNIT 11. TEXAS
Wt/Vol. WASTE ID #
ROFILE NO. 7 18806
EMERGENCY NO.
described above by proper
ording to applicable
DATE
receipt of material
DATE
575-887-4048
this facility that the
this facility, that the
SPORTERS: COPIES 4 &

COPY 1

,	LEA LAND DIS MILE MARKER #64 US HWY						KIC	0			
	LEA LAND, LLC 1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257										
NON	-HAZARDOUS WASTE MANIF	EST NO	125438	1. PA	GE0]	F 2. TRAII	LER NO,	340			
G	3. COMPANY NAME Pilot Travel Centers, LLC	4. ADDRESS 5508 Lonas Dr.		-		PICK-UP DATE /30/2018					
U	PHONE NO.	СІТҮ	STATE			TNRCC I.D. NO),				
Е		······································	TN	37909 8. CON	TAINER	S 9. TOTAL	10. UNIT	11. TEXAS			
	7. NAME OR DESCRIPTION OF WASTE SHIPPE a. Non-Regulated, Non Hazardous Was			No.	Type	QUANTITY	₩¥Vo!.	WASTE ID #			
N	b.				<u> </u>						
E	C.										
			1	<u> </u>			+				
R	41,400 41,10	10 42,0	180			13. WASTE I	PROFILEN	50			
A	12. COMMENTS OR SPECIAL INSTRUCTIONS: SPILL DELAWARE BASIN NEAR 128		0 125	1.1	\mathcal{T}		718806				
	14. IN CA	SE OF EMERG	ENCY OR SPI	LL, CO	LZ NTAC	<u>i</u>					
Т		PHONE NO 575-987-4048)·			24-HOU	R EMERGE	ENCY NO.			
0	15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described about shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable state regulations, and are the same materials previously approved by LEA							applicable			
R	PRINTED/TYPED NAME		SIGNATURE DATE								
Т	16. TRANSPORTER (1)	· · · · · · · · · · · · · · · · · · ·	17.	Т	RANS	PORTER (2)					
R A	NAME: EES / GANDY CORI	<u></u>	NAME:								
N S	TEXAS I.D. NO.		TEXAS I.D. NO								
P O	IN CASE OF EMERGENCY CONTACT: JASO (575) 39		IN CASE OF EN		CĂ COM	FACT:					
R T	EMERGENCY PHONE: 18. TRANSPORTER (1): Acknowledgment		EMERGENCY I 19. TRANSP	PHONE: ORTER	(2): Ad	knowledgment o	f receipt of	materia!			
Е	PRINTED/TYPED NAME Jose (Genzalte		ED NAMI	E						
R S	SIGNATURE Jone Hunt	7/30/2018	SIGNATURE				DATE				
		ADDRESS:	<u>]</u>			PHONI	3:	· ·			
D F			e Marker 64, Miles East of		•		575-8	887-4048			
I A S C P I	PERMIT NO. WM-01-035 - New Me	xico	20. COMMENTS								
OL SI AT	21. DISPOSAL FACILITY'S CERTIFIC facility is authorized and permitted to receive such	CATION: I Hereby wastes.	certify that the abov	ve describe	ed wastes	were delivered to	this facilit	y, that the			
LY	authorized signature	170,007	CELL NO.		I	DATE 7/30/2018	($\frac{1}{2}$			
GENE	RÁTOR: COPIES 1 & 6	DISPOSAL SIT	TE: COPIES 2 & 3			TRAN	SPORTER	S: COPIES 4 & :			

COPY 1

	ł	LEA LAND DIS MILE MARKER #64 US HWY							KIC	0
		1300 WEST MAIN ST	LEA LA		PHONE (405) 236	5-4257	$\bigcap_{n \in \mathcal{N}}$	Indi	U.2
N	DN	-HAZARDOUS WASTE MANIF	EST NO	125461	· 1, PA	GE(OF	2. TRAIL	ER NO.	570
G	1	3. COMPANY NAME Pilot Travel Centers, LLC	4. ADDRESS 5508 Lonas Dr .				5. PICK 7/31/2	UP DATE 2018		
		PHONE NO.	CITY	STATE		ZIP	5, TNRC	C I.D. NO	·	
E	┝	(805) 588-7488	Knoxville,	TN	37909	TAINE	RS 9.	TOTAL	10. UNIT	11. TEXAS
		7. NAME OR DESCRIPTION OF WASTE SHIPPE a. Non-Regulated, Non Hazardous Wa			No.	Туре		ANTITY	Wt/Vol.	WASTE ID #
N		b.			<u> </u>					
E					-					
			·····					.		
R		<u>34,040 34,70</u>	<u>00 3(</u>	1,42D				NU des a		
A		12. COMMENTS OR SPECIAL INSTRUCTIONS: SPILL DELAWARE BASIN NEAR 128			0		13.		rofile n 7 18806	O,
A		14. IN CA	ASE OF EMERG	$\frac{10}{100} \frac{105}{100}$	<u>),つさ</u> LL, CO	(T			
Т		JOE ONTIVEROS	PHONE NO 575-887-404					24-HOUR	EMERGE	NCY NO.
C		15. GENERATOR'S CERTIFICATION: shipping name and are classified, packed, marked, ar international and national government regulations, in	id labeled, and are in a	ll respects in proper c	condition f	or transp	oort by h	ighway aco	cording to a	pplicable
R		PRINTED/TYPED NAME		SIGNATURE						DATE
	,	16. TRANSPORTER (1)		17.	T	RANS	PORI	· ·ER (2)		
R A	ι	NAME: EES/GANDY COR	Þ	NAME:						
N	I	TEXAS I.D. NO.		TEXAS I.D. NO.						
S F	,	IN CASE OF EMERGENCY CONTACT: ASO		IN CASE OF EM	IERGENO	CY CON	TACT:			
		EMERGENCY PHONE: (575) 39 18. TRANSPORTER (1): Acknowledgment		EMERGENCY P		())• A	aknowla	domant of	receipt of r	material
I I E		PRINTED/TYPED NAME / The Va	. /							
E E	Ł	S.M.V.I	7/31/2010		SD NAME	s				
	,	SIGNATURE PC Ofinget	DATE	SIGNATURE				1	DATE	
		Lea Land, LLC	ADDRESS: Mil	e Marker 64, U	J.S. Hy	vy 62	/180,	PHONE		87-4048
DI	F A			Miles East of (•	-			
S P	C I	PERMIT NO. WM-01-035 - New Me	xico	20. COMMENTS						
O S A	L I T	21. DISPOSAL FACILITY'S CERTIFIC facility is authorized and permitted to receive such		certify that the above	e describe	d wastes	were de	livered to	this facility	, that the
L	Y	AUTHORIZED SIGNATURE	. Ν .	CELL NO.			DATE	100 4 0	Т	™E, 25
		Kontts Lonz	ALIZ				//31	/2018	חרידים מ	
GEI	NER	ATOR: COPIES 1 & 6	DISPOSAL SU	TE: COPIES 2 & 3				TRANS	FORTERS	: COPIES 4 & 5

COPY 1

,	LEA LAND DIS MILE MARKER #64 US HWY					XICO
	1300 WEST MAIN ST	LEA LA	· ·	PHONE (405) :	236-4257	andu.
NON	-HAZARDOUS WASTE MANIF	EST NO	125462	1. PAGE_	OF 2. TRA	ILER NO. 378
G	3. COMPANY NAME Pilot Travel Centers, LLC	4, ADDRESS 5508 Lonas Dr.			5. PICK-UP DAT 7/31/2018	E
E	PHONE NO. (865) 588-7488	CITY Knoxville,	STATE TN	ZIP 37909	6. TNRCC I.D. N	Ю.
. Ľ	7. NAME OR DESCRIPTION OF WASTE SHIPPE	ED;	,	8. CONTAIN	VERS 9, TOTAL ype QUANTITY	10, UNIT 11. TEXAS Wt/Vol, WASTE ID #
N	a. Non-Regulated, Non Hazardous Wa	ste				
	Ь.				-	
E	c.					
R	37,240 34,90	10 31	e940			
A	12. COMMENTS OR SPECIAL INSTRUCTIONS SPILL DELAWARE BASIN NEAR 128			09,14 2,701) 13. WASTE	PROFILE NO. 718806
т	14. IN CA NAME JOE ONTIVEROS	ASE OF EMERG PHONE NO 575-887-4048		LL, CONTA		JR EMERGENCY NO.
0	15. GENERATOR'S CERTIFICATION: shipping name and arc classified, packed, marked, an international and national government regulations, f	nd labeled, and are in a	ll respects in proper c	ondition for tra	nsport by highway a	according to applicable
R	PRINTED/TYPED NAME		SIGNATURE			DATE
Т	16. TRANSPORTER (1)		17.	TRAN	NSPORTER (2))
R A	NAME: EES / GANDY COR	<u>P</u>	NAME:			
N S	TEXAS I.D. NO.		TEXAS I.D. NO.			
Р	IN CASE OF EMERGENCY CONTACT: LASO (575) 39	N SHULTS 6-4948	IN CASE OF EM	IERGENCY CO	ONTACT:	
O R	EMERGENCY PHONE: 18. TRANSPORTER (1): Acknowledgment		EMERGENCY P		Acknowledgment	of receipt of material
T E	PRINTED/TYPED NAME DIEPO	Ponce				
R S	SIGNATURY Chingo for	7/31/2018 CDATE	3			DATE
		ADDRESS:	. I		PHON	E:
DF	Lea Land, LLC		e Marker 64, U Miles East of 0	-		575-887-4048
I A S C P I	PERMIT NO. WM-01-035 - New Me		20, COMMENTS	· , –	I	
P I O L S I	21.DISPOSAL FACILITY'S CERTIFIC	- · · · - · · · · - · · · · · · · · · ·	certify that the above	e described was	tes were delivered :	o this facility, that the
A T	facility is authorized and permitted to receive such		-			
LY	AUTHORIZED SIGNATURE	20012	CELL NO.	-	DATE 7/31/2018	G TIME, 45
GENE	4 ATOR: COPIES 1 & 6	DISPOSAL SIT	TE: COPIES 2 & 3			VSPORTERS: COPIES 4 & 5

COPY 1

· ·	LEA LAND DIS MILE MARKER #64 US HWY							KIC	0
	1300 WEST MAIN ST	LEA LA		PHONE (405) 23	6-4257	Ga	indi	И
NON	HAZARDOUS WASTE MANIE	ESL NO	125463	1. PA	GE	OF	2, TRAIL	ER NO.	379
G	3. COMPANY NAME Pilot Travel Centers, LLC	4. ADDRESS 5508 Lonas Dr.		-		5. PICK 7/31/2	-UP DATE 2018		
Е	PHONE NO. (865) 589-7488	CITY Knoxyille,	STATE TN	37909	ZIP	6, TNRC	CC I.D. NO).	
	7. NAME OR DESCRIPTION OF WASTE SHIPP	ED;		8. CON No.	TAINE		TOTAL JANTITY	10. UNIT Wt/Vol	11. TEXAS WASTE ID #
Ν	a. Non-Regulated, Non Hazardous Wa	ste							
	b.								
E	¢.								
R	MAZZOIN XXEI	<u>.</u>		-	1				
, w	12. COMMENTS OR SPECIAL INSTRUCTIONS		· · · ·			13.	WASTE P	ROFILE N	0, I
A	SPILL DELAWARE BASIN NEAR 128	3	TP (17	-40	D			718808	
т	NAME	ASE OF EMERG		LL, CO	NTAC	Т	24-HOUR	EMERGE	NCY NO.
	JOE ONTIVEROS	575-887-4048					. 1		
0	15. GENERATOR'S CERTIFICATION: shipping name and are classified, packed, marked, an international and national government regulations, in	nd labeled, and are in a	ll respects in proper c	ondition f	or trans	port by h	iighway aco	cording to a	pplicable
R	PRINTED/TYPED NAME		SIGNATURE	-					DATE
								. <u></u>	
T R	16. TRANSPORTER (1)	17. TRANSPORTER (2)							
A N	NAME: EES / GANDY COR	<u> </u>	NAME;						
S	TEXAS I.D. NO. IN CASE OF EMERGENCY CONTACT: JASO	N SHULTS	TEXAS I.D. NO. IN CASE OF EMERGENCY CONTACT:						
P O	EMERGENCY PHONE: (575) 39	6-4948				TACI,			
R T	18. TRANSPORTER (I): Acknowledgment	EMERGENCY PHONE; 19. TRANSPORTER (2): Acknowledgment of receipt of material							
E R	PRINTED/TYPED NAME WILLIA	Dian	PRINTED/TYPE	ED NAME	8				
R S	SIGNATURE Julie Ru	7/31/2018	SIGNATURE					DATE	
-		ADDRESS;		•	-		PHONE	:	
	Lea Land, LLC		e Marker 64, l					575-88	87-4048
D F I A		30 1	Miles East of C	Carlsba	.d, N1	M			, ,
S C P I	WM-01-035 - New Me	xico	20. COMMENTS						
OL SI AT	21. DISPOSAL FACILITY'S CERTIFIC facility is authorized and permitted to receive such		certify that the above	e describe	d waste:	s were de	elivered to	this facility	, that the
LY	AUT ORIZED SIGNATURE	Λ	CELL NO.			DATE		Т	IME, D
	Montor & Dr.	17AVE				7/31	/2018		D.
GENER	ATOR: COPIES 1 & 6	DISPOSAL SIT	E: COPIES 2 & 3				TRANS	PORTERS	: COPIES 4 & 5

COPY 1

	LEA LAND DIS MILE MARKER #64 US HWY							KIC	0		
	1300 WEST MAIN ST	LEA LA		PHONE (405) 23	6-4257	G	nn	1		
NON	-HAZARDOUS WASTE MANIF	EST NO	125464	· 1. PA	.GE	OF	2. TRAIL	BR NO.	3/00		
G	3. COMPANY NAME Pil ot Travel Centers, LLC	4. ADDRESS 5508 Lonas Dr.		I		5. PICK 7/31/	UP DATE 2018		<u> </u>		
Е	PHONE NO. (865) 588-7488	city Knoxville,	STATE TN	37909	ZIP	6. TNR	CC I.D. NO				
N	7. NAME OR DESCRIPTION OF WASTE SHIPPE a. Non-Regulated, Non Hazardous Wa		· ·	8, CON No,	TAINE TAINE	ł	, TOTAL JANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #		
Е	b.										
R	MT: 43,080 42.0	080									
A	12. COMMENTS OR SPECIAL INSTRUCTIONS: SPILL DELAWARE BASIN NEAR 128 13. WASTE PROFILE NO. 718808 718808								0.		
. T	I4. IN CA NAME JOE ONTIVEROS	SE OF EMERG PHONE NO 575-887-4048		.L, CO)	NTAC	<u>T</u>	24-HOUR	EMERGE	NCY NO.		
0	15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLO										
R	PRINTED/TYPED NAME		SIGNATURE						DATE		
Т	16, TRANSPORTER (1)		17.	T	RANS	POR	FER (2)	· ·			
R A	NAME: EES / GANDY CORI		NAME:								
N S	TEXAS LD. NO.		TEXAS I.D. NO.								
P	IN CASE OF EMERGENCY CONTACT: JASOI (575) 39	N SHULTS BLADAR	IN CASE OF EM	ERGENĆ	CON CON	TACT:					
O R	EMERGENCY PHONE:		EMERGENCY PI		(m)						
T E	18. TRANSPORTER (1): Acknowledgment PRINTED/TYPED NAME BODby L	• •						ent of receipt of material			
R S	SIGNATURE Robert Jeib	7/31/2018 O _{DATE}						DATE			
		ADDRESS;	1				PHONE;				
DF	Lea Land, LLC Mile Marker 64, U.S. Hwy 62/180, 575-887-4048 30 Miles East of Carlsbad, NM								87-4048		
I A S C P I O L	PERMIT NO. WM-01-035 - New Mexico										
S I A T	21. DISPOSAL FACILITY'S CERTIFIC facility is authorized and permitted to receive such	CATION: I Hereby wastes.	certify that the above	described	d wastes	s were d	elivered to	this facility,	, that the		
	AUTHORIZED SIGNATURE	70017	CELL NO.			DATE 7/31	/2018		ime 25		
GENE	ATOR: COPIES 1 & 6	DISPOSAL SIT	E: COPIES 2 & 3	<u>.</u>		<u> </u>	TRANS	PORTERS:	COPIES 4 & 5		

COPY 1

	1200 110000 1224	LEA LA	AND, LLC	PHONE	1051 225	4257	[k e			
Â	N-HAZARDOUS WASTE MAN		<u></u>		GEOI		LER NO.	1 <u>1</u> メコル			
91	3. COMPANY NAME	4, ADDRESS	125494		5.	PICK-UP DATE	(
r I	Pilot Travel Centers, LLC	5508 Lonas D				8/1/2018	· · · · · · · · · · · · · · · · · · ·				
-	PHONE NO. (865) 588-7488	* Knoxville,	state TN	37909	211 0.	TRACC I.D. NO					
2	7. NAME OR DESCRIPTION OF WASTE SH	IPPED:	. <u></u>	8, CON No.	TAINERS	9, TOTAL QUANTITY	10. UNIT Wt/Vol.	11, TEX. WASTE I			
V	a. Non-Regulated, Non Hazardous	Waste		110.	Type	QOMITITI	110 101				
	b.										
E	с.			-							
	WI: Zr Dry DAI	HILD									
R	12. COMMENTS OR SPECIAL INSTRUCTION	<u>140</u>				13, WASTE I	א ז זוקטאנ				
4	SPILE DELAWARE BASIN NEAR		TA (15	いちバ	3		718806	- 21			
1	14. IN	I CASE OF EMER			/ NTACI	1		·			
Г	14.IN CASE OF EMERGENCY OR SPILL, CONTACTNAMEPHONE NOJOE ONTIVEROS575-987-4048										
) R	shipping name and are classified, packed, marke international and national government regulatio PRINTED/TYPED NAME	ns, including applicable	state regulations, and an	e the sam	e material	s previously app	roved by LE	date			
Г	16. TRANSPORTER (1)	17.	T	RANSF	PORTER (2)	·				
R A	NAME: EES / GANDY C	ORP	NAME;								
N	TEXAS I.D. NO.		TEXAS I.D. NO.								
S P	IN CASE OF EMERGENCY CONTACT:	SON SHULTS	IN CASE OF EMERGENCY CONTACT:								
O R	EMERGENCY PHONE: 18. TRANSPORTER (1): Acknowledge	396-4948	EMERGENCY F		(?) • Act	knowledgment o	receipt of	material			
T E		Leuzue									
R		8/1/20)18								
s	SIGNATURE You Men	DATE					DATE				
F	Lea Land, LLC	1	file Marker 64, 1		•			87-404			
Ā			0 Miles East of (20. COMMENTS	Calibud	u, 19191	<u> </u>					
I	WM-01-035 - New										
L (L L	21. DISPOSAL FACILITY'S CERT facility is authorized and permitted to receive		by certify that the abov	e describe	d wastes	were delivered to	this facility	y, that the			
				···· ··· ·····							
, J	AUTHORIZED SIGNATURE		CELL NO.		D.	ATE	7				

COPY 1

	LEA LAND DIS MILE MARKER #64 US HWY						KIC	0				
	1300 WEST MAIN ST		ND, LLC	PHONE (4	405) 236	4257	anc	11				
NO	N-HAZARDOUS WASTE MANIF	EST NO	125495	1, PA	GEO	F 2, TRAII	LER NO.	379				
G	3. COMPANY NAME Pilot Travel Centers, LLC	4. ADDRESS 5508 Lonas Dr			5	, PICK-UP DATE 8/1/2018						
Е	PHONE NO. (865) 588-7488	CITY Knoxville,	STATE TN	37909	ZIP 6	, TNRCC I.D. NO).					
-	7. NAME OR DESCRIPTION OF WASTE SHIPPE	ID:		8. CON No.	TAINER Type	S 9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11, TEXAS WASTE ID #				
N	a. Non-Regulated, Non Hazardous Wa	ste		-								
	b.						1					
E	с.	· · · -		1								
R	WT: 25010 010	חח										
Г	12. COMMENTS OR SPECIAL INSTRUCTIONS				1	13. WASTE I	ROFILE N	l 10.				
А	SPILL DELAWARE BASIN NEAR 128		P 57.0	40			718806					
Т	I4. IN CANAME JOE ONTIVEROS	ASE OF EMER PHONE NO 575-887-40	<u>GENCY OR SPD</u> 48	LL, CO	NTAC		R EMERGE	NCY NO.				
0	15. GENERATOR'S CERTIFICATION: shipping name and are classified, packed, marked, ar international and national government regulations, h	nd labeled, and are in	all respects in proper c	ondition f	or transp	ort by highway ac	cording to a	ipplicable				
R	PRINTED/TYPED NAME		SIGNATURE					DATE				
Т	16. TRANSPORTER (1)	17.	17. TRANSPORTER (2)									
R A	NAME: EES / GANDY COR	NAME: EES / GANDY CORP			NAME:							
N S	TEXAS LD. NO.		TEXAS I.D. NO.									
Р	IN CASE OF EMERGENCY CONTACT; JASO (575) 39		IN CASE OF EM	IERGENO	Y CON	IACT:						
O R	EMERGENCY PHONE: 18. TRANSPORTER (1): Acknowledgment		EMERGENCY F	<u>'HONE;</u> DRTER	(2): Ac	knowledgment of	freceipt of 1	naterial				
T E	PRINTED/TYPED NAME WITH 2	Bruce				5						
R S	SIGNATURE WILL Suc	B/1/20					DATE					
\vdash		ADDRESS:				PHONE);	<u> </u>				
	F Lea Land, LLC		ile Marker 64, U Miles East of (-	i	575-8	87-4048				
S P	A C PERMIT NO. WM-01-035 - New Me	xico	20. COMMENTS									
S A	I 21.DISPOSAL FACILITY'S CERTIFIC facility is authorized and permitted to receive such		by certify that the above	e describe	d wastes	were delivered to	this facility	r, that the				
L	Y AUTHORIZED SIGNATURE	tolet	CELL NO.		Γ	DATE 8/1/2018		D, D				
GEN	ERATOR: COPIES 1 & 6	DISPOSAL S	ITE: COPIES 2 & 3			TRAN	SPORTERS	S: COPIES 4 & S				

COPY 1

، ۲۰۰	LEA LAND DI MILE MARKER #64 US H						2 0							
			AND, LLC			Gone	1u							
NOP	N-HAZARDOUS WASTE MAN	IFEST NO	123001	1. PAGE	OF	2. TRAILER NO.	378							
G	3. COMPANY NAME Pilot Travel Centers, LLC	4, ADDRESS 5508 Lonas C	ж.		5. PICK- 8/2/2	UP DATE D18								
E	PHONE NO. (865) 588-7488	CITY Knoxyille,	STATE TN	ZIP 37909	6. TNRC	C I,D, NO.								
E.	7. NAME OR DESCRIPTION OF WASTE SHI	PPED:		8. CONTA No.		TOTAL 10. UNI ANTITY Wt/Vol								
N	a, Non-Regulated, Non Hazardous V	Vaste	· · ·											
	b.													
E	IC,													
	WT. 10080 11058	7	, <u> </u>											
R	12. COMMENTS OR SPECIAL INSTRUCTION	DINS;			13.	WASTE PROFILE								
A	SPILL DELAWARE BASIN NEAR	128	D 841	1D		718806	}							
		CASE OF EMER	RGENCY OR SPI	LL, CONT	TACT	24-HOUR EMERC	TENICY NO							
Т		PHONE NO 575-887-40	048			24-HOUR EMBRU	IENCI NO.							
0	15.GENERATOR'S CERTIFICATION shipping name and are classified, packed, marked international and national government regulation	d and labeled and are i	n all respects in proper-	condition for t	transport by h	ighway according to	applicable							
R	PRINTED/TYPED NAME		SIGNATURE				DATE							
Т	16. TRANSPORTER (17.	17. TRANSPORTER (2)											
R A	NAME: EES/GANDY CO	TEXAS I.D. NO.				NAME: TEXAS I.D. NO.								
N S														
Р	IN CASE OF EMERGENCY CONTACT:	396-4948	IN CASE OF EI	MERGENCY	CONTACT:									
O R	EMERGENCY PHONE: 18. TRANSPORTER (1): Acknowledge	and the second		EMERGENCY PHONE: 19. TRANSPORTER (2): Acknowledgment of receipt of material										
T E	PRINTED/TYPED NAME	17		PED NAME										
R S		8/2/2	D19	_										
	SIGNATURE	ADDRESS:	SIGNATURE			PHONE:								
	Lea Land, LLC	Ν	Aile Marker 64,	-			887-4048							
IA		3	0 Miles East of 20. COMMENTS											
S C P 1	WM-01-035 - New 3	Mexico												
O J S J A 7	I 21.DISPOSAL FACILITY'S CERT facility is authorized and permitted to receive	IFICATION: I Her such wastes.	eby certify that the abo	ve described v	vastes were do	blivered to this facil	ity, that the							
L		$\overline{\Lambda}$	CELL NO.		DATE	/2049	TIME, 25							
	Dandos X Dr	HAVEZ			8/2	/2018	1/2							
GEN	ERATOR: COPIES 1 & 6	DISPOSAL	SITE: COPIES 2 & 3			TRANSPORTE	RS: COPIES 4 & 5							

COPY 1

DOUS WASTE MANIF		IA CITY, OK 73106 • I	PHONE (405) 2	36-4257	120	\mathcal{A}	,			
· · · · · · · · · · · · · · · · · · ·	123054	1. PAGE								
	4 ADDRESS 5508 Lonas Di			5. PICK 8/6/	UP DATE 2018					
PHONE NO. (865) 588-7488 Knoxville, Th			ZIP 37909	6. TNR(RCC I.D. NO.					
DESCRIPTION OF WASTE SHIPPE	D;		8. CONTAIN No. Ty		TOTAL JANTITY	10. UNIT Wt/Yol.	11. TEX. WASTE I			
gulated, Non Hazardous Was	ie – – – – – – – – – – – – – – – – – – –									
		n								
100		<u> </u>	+							
UDD INTS OR SPECIAL INSTRUCTIONS: LAWARE BASIN NEAR 128			<u> </u>	13	. WASTE PI	ROFILE N	<u> </u> 0.			
		CENICY OF CET								
IN CA	GENCY OR SPIL 48	LL, CONTA		24-HOUR	EMERGE	NCY NO.				
RATOR'S CERTIFICATION: ie and are classified, packed, marked, an and national government regulations, in YPED NAME	d labalad and are it	all respects in proper (condition for tra	hspon by	nignway acc	orumg to a	applicatio			
			17. TRANSPORTER (2)							
TRANSPORTER (1)	D.	NAME:								
. NO.	1	NAME: TEXAS I.D. NO. IN CASE OF EMERGENCY CONTACT:								
F EMERGENCY CONTACT; ASO	N SHULTS									
IN CASE OF EMERGENCY CONTACT. (575) 396–4948 EMERGENCY PHONE:			EMERGENCY PHONE:							
18. TRANSPORTER (1): Acknowledgment of receipt of material										
PRINTED/TYPED NAMES - WITTIN STURM			PRINTED/TYPED NAME							
SIGNATURE /// 100 / 100 DATE			18 SIGNATURE DATE							
- Marine Contraction	ADDRESS:				PHONE					
Lea Land, LLC										
			•							
DSAL FACILITY'S CERTIFI uthorized and permitted to receive such	by certify that the above	ve described wa	stes were	delivered to	this facilit	y, that the				
AUTHORIZED SIGNATURE			LL NO DATE 8/6/2019			,	TIME ,3			
IO. V	VM-01-035 - New Me FACILITY'S CERTIFI red and permitted to receive such	3 VM-01-035 - New Mexico FACILITY'S CERTIFICATION: I Here and permitted to receive such wastes.	30 Miles East of 20. COMMENTS 20. COMMENTS 2	30 Miles East of Carlsbad, 1 20. COMMENTS VM-01-035 - New Mexico FACILITY'S CERTIFICATION: I Hereby certify that the above described was ted and permitted to receive such wastes.	30 Miles East of Carlsbad, NM 20. COMMENTS VM-01-035 - New Mexico 20. COMMENTS FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were teed and permitted to receive such wastes.	30 Miles East of Carlsbad, NM 20. COMMENTS VM-01-035 - New Mexico 20. COMMENTS 20	20. COMMENTS 20. COMMENTS			