September 8, 2017



Ms. Olivia Yu Environmental Specialist NMOCD, District 1 1625 N. French Drive Hobbs, New Mexico 88240 **APPROVED** By Olivia Yu at 2:17 pm, Oct 02, 2017

NMOCD grants closure to 1RP-1849.

Re: Angell #1 Tank Battery Remediation Closure Report (IRP #1849)

Dear Ms. Yu,

Pike Energy Services, LLC (PES) conducted release characterization and remediation activities at the BC Operating, Inc. (BC) Angell #1 Tank Battery located south of Lovington, New Mexico. Characterization activities consisted of the collection of soil samples per the approved release characterization work plan dated April 13, 2017 to determine the nature and extent of contamination. Remediation activities included excavation of impacted soil from the affected area, confirmation samples of the excavation surface edges, sidewalls, and floor, disposal of the excavated material as RCRA exempt waste, installation of a 30-mil poly-liner, and backfill and grading of the excavated area. This Closure Report documents the remediation activities conducted at the Angell #1.

BACKGROUND

A reported 20 barrels of oil was released as the result of a tank battery overflow that occurred on April 22, 2008. The release was reported to the New Mexico Oil Conservation Division (OCD) using *Form C-141* for *Release Notification and Corrective Action*, by BC Operating (BC) on April 23, 2008. According to the C-141, the release was contained inside the fire wall of the tank battery and 18 of the 20 barrels released were recovered with a vacuum truck. Vertical delineation of TPH and Chloride was requested by NMCOD with the final C-141.

Due to the unknown status of the C-141, a site visit was conducted by personnel from BC, OCD and Pike on March 22, 2017 to observe the current site conditions. Observations made during that visit included historical staining inside the berm wall, an area of fresh caliche covering stained soil around the circulation pump but inside the berm wall, and an area of stressed vegetation off the northwest corner of the well pad from a presumed spray from the oil water separator. The OCD requested that BC characterize the release according to the *Conditions of Approval (COA)* issued by the Environmental Bureau Chief, Jim Griswold in January 2017. The Release Characterization Work Plan was submitted to and approved by the OCD on April 13, 2017.

DETERMINATION OF REMEDIATION ACTION LEVELS

Site specific Remediation Action Levels (RALs) were determined following the OCD, *Guidelines for Remediation of Leaks, Spills and Releases,* dated August 13, 1993, and based on the findings of the Release Characterization Work Plan. The guidelines provide remediation action levels based on depth to groundwater, distance from wellhead protection areas, and distance to surface water bodies. Based on these criteria, potential contaminants of concern (COCs) were assigned the following site specific RALs: Benzene 10 mg/kg, Benzene, Toluene, Ethylbenzene and Xylene (BTEX) 50 mg/kg, Total Petroleum Hydrocarbons (TPH) 1,000 mg/kg, and Chloride 600 mg/kg.

RELEASE CHARACTERIZATION AND PROPOSED REMEDIATION

Release characterization activities were conducted by Pike on April 26 and 27, 2017. Upon review of the Release Characterization Report dated May 31, 2017, the OCD requested additional vertical delineation to at least 30 feet below grade based on the results of the previous attempt. The report also recommended additional horizontal delineation on the south and southeast sides of the tank battery. Subsequent horizontal delineation sampling was conducted on June 7, 2017 to delineate the extents of contamination above the RALs on the southeast corner of the tank battery with vertical delineation sampling conducted on June 26, 2017. Addendum 1 of the Release Characterization Report dated August 11, 2017 was submitted to the OCD for review along with proposed remediation. Proposed remediation included a four-foot excavation and properly keyed liner (minimum 20 mil) for the bermed tank battery area with confirmation samples of the edges, sidewalls and floor of the excavation. The Release Characterization Report and proposed remediation activities were approved by the OCD on August 23, 2017.

REMEDIATION AND CONFIRMATION SAMPLING

Remediation activities were initiated on June 20, 2017 with the removal of production equipment and pushing the contaminated berm walls to the center of the tank battery with a backhoe. Excavation of contaminated soil was accomplished with the use of a track hoe starting outside of the tank battery on the north side and advanced to four feet below grade (the level of the well pad and tank battery floor). Excavated soils were loaded directly into trucks or staged on the adjacent contaminated areas for loading at a later time. Confirmation sampling of the excavation was conducted in progression with excavation activities to confirm areas where soil had been adequately removed and to identify areas where soils remained with contamination above the RALs. In general, sidewall confirmation samples were collected at the surface and at two feet below grade. The exception to this sampling scheme was employed along the north and west sides of the excavation where only one sample was collected at the two-foot interval or the surface of the pasture. It is important to note that sample nomenclature was determined by location and depth. For example, N1-2 was the first sample collected on the north side of the excavation (N1) and was collected at two-feet below grade (2). A site map illustrating the extents of the excavation and sample locations is presented in **Figure 1**. Additionally, a photograph log is provided in **Appendix A** with corresponding Log Book in **Appendix B**.

During confirmation sampling events, soil samples were collected and placed in laboratory-supplied glass jars, given unique identification, packed on ice in laboratory-supplied coolers, and shipped for overnight delivery under chain of custody via FedEx to ESC Lab Sciences (ESC) in Mount Juliet, TN, for analysis of: TPH by EPA Method 8015 for Diesel Range Organics (DRO) and Oil Range Organics (ORO), 8021 for Benzene, BTEX and Gasoline Range Organics (GRO) and Chloride by EPA Method 9056A. A summary of the analytical results for characterization is presented in **Table 1** with a copy of the full laboratory reports provided in **Appendix C**.

The excavation was extended laterally based on the results of confirmation sample analysis as necessary on the north to central portion of the east side, the south side of the southeast corner and the west side of the southwest

Ms. Olivia Yu Angell #1 – Closure Report

corner. The following descriptions explain the process of extending or stepping out the excavation to remove contaminated soil above RALs.

Elevated concentrations of TPH were identified along the northern portion of the east side of the excavation at sample location EN1-0 of 1,127 mg/kg. This was assumed to be a result of production equipment removal activities as TPH was not identified in the two-foot sample and was not encountered in this area above RALs during the release characterization sampling event. As such, this area was excavated to one-foot below grade along the east side of the existing excavation and is illustrated with diagonal hatch in **Figure 1**. Confirmation samples indicating removal of TPH contaminated soil above the RAL in this area were reported in samples EN1-1, EN2-1 and EN3-0.

Concentrations of chloride above the RAL were reported at sample location EC1 located on the east and central corner of the initial excavation indicated the need for additional soil removal in this area. This area was excavated to four feet below grade extending this portion of the excavation from sample location EC1 by 25 feet north and 35 feet east to the east wall of the southern portion of the excavation as indicated with the dashed line in **Figure 1**. Confirmation samples indicating complete removal of Chloride contaminated soil above the RAL in this area were reported in samples EC2-1 and EC2-2 to the north and samples ESN2-0 and ESN2-2 to the east.

On the south wall of the excavation, sample location SE1 reported concentrations of chloride above the RAL in both the surface and two-foot intervals. This area was extended south 10 feet and re-sampled at sample location SE2 where concentrations of chloride remained above the RAL in both intervals. The initial and secondary extent of excavation in this area are presented with dashed lines in **Figure 1**. The excavation was extended south in this area an additional 10 feet where confirmation samples SE3-0 and SE3-2, SC1-0 and SC1-2, and ESS2-0 and ESS2-2 reported contamination below the RALs.

Finally, concentrations of chloride above the RAL were identified in sample WS1-2 on the west side of the excavation. Upon visiting the site, it was determined that the excavation was not square in the southwest corner and additional excavation was conducted extending the west wall approximately 5 feet west in the southwest corner to straighten the west side of the excavation. The initial extent of excavation is illustrated with a dashed line on **Figure 1**. Confirmation samples WS2-2 and WS3-2 collected from the west side wall of the excavation reported contamination of chloride below the RAL.

Once confirmation sampling of the surface and sidewalls was completed indicating complete removal of contaminated soil above the RALs, keyways were excavated around the perimeter of the excavation approximately three feet wide and one foot deep to anchor the plastic liner in place. Excavated material from keyway construction was hauled off for disposal. A total of 3,360 cubic yards of contaminated material was excavated and hauled off to the R360 "half-way point" station located west of Hobbs, NM for disposal as RCRA exempt waste. Copies of the load tickets from R360 are provided in **Appendix D**.

SITE CLOSURE

Site closure activities were initiated on August 24, 2017 with the installation of a 30 mil. poly liner that was sized in the field and constructed with double welded seams. The liner was installed in the bottom of the excavation by burying the edges in the trenched keyways around the perimeter of the excavation in order to anchor the liner and cap the remaining contaminated soil. The excavation was then backfilled with clean backfill material (caliche) in one foot lifts and compacted with a sheep foot roller to the level of the existing well pad. The backfilled excavation was graded with a maintainer to the contour of the well pad with a gradual slope to the pasture on the north and west sides to match the existing drainage pattern of the location. Backfill materials were mined from a local caliche pit located 1.5 miles south of the site on the Angell Ranch and referred to as the Angell Caliche Pit (ACP). Backfill materials were sampled for Chloride by EPA method 9056

Ms. Olivia Yu Angell #1 – Closure Report

and determined to be clean. Laboratory analytical reports for sampling of the backfill materials are included in **Appendix C.** Site closure was completed on August 31, 2017.

CONCLUSIONS AND RECOMMENDATIONS

Contaminated tank battery and well pad materials have been removed to below Site Specific RALs for the identified contaminants of concern at the Angell #1. Based on the results of confirmation samples, Pike, on behalf of BC Operating, requests closure of the site for this remedial action.

If you have any questions or need additional information, please contact me at (210) 363-2431.

Respectfully Yours, PIKE ENERGY SERVICES, LLC

Frank Engallina President

Attachments: Figure 1 Table 1 Appendix A – Photograph Log Appendix B – Log Book Appendix C – Laboratory Reports Appendix D – Load Tickets



TABLE 1 SUMMARY OF LABORATORY ANALYTICAL RESULTS

BC Operating - Angell #1 Lea County, New Mexico

Sample ID ¹	Depth	Date Collected	Benzene ² (mg/kg)	BTEX ³ (mg/kg)	TPH ⁴ (mg/kg)	Chloride ⁵ (mg/kg)
N1-2	*2 ft.	6/30/17	<0.01	<0.01	4.4	217
WN1-2	*2 ft.	6/30/17	<0.01	<0.01	42.32	206
EN1-0	0-4 in.	6/30/17	<0.01	<0.01	1127	497
EN1-2	2 ft.	6/30/17	<0.01	<0.01	5.13	71.0
EC1-0	0-4 in.	7/6/17	ND	<0.01	4.03	2650
EC1-2	2 ft.	7/6/17	ND	ND	5.26	2030
WC1-2	*2 ft.	7/6/17	ND	ND	12.22	125
WS1-2	*2 ft.	7/6/17	ND	ND	24.51	2830
SW1-0	0-4 in.	7/6/17	ND	ND	1.40	104
SW1-0	2 ft.	7/6/17	ND	ND	8.0	72.7
ESN1-0	0-4 in.	7/6/17	ND	ND	5.43	589
ESN1-2	2 ft.	7/6/17	ND	ND	9.6	188
F1-4	4 ft.	7/6/17	ND	ND	527.0	1050
F2-4	4 ft.	7/6/17	ND	ND	81	364
F3-4	4 ft.	7/6/17	<0.01	< 0.01	6453	2830
F4-4	4 ft.	7/6/17	ND	<0.01	1118	2670
F5-4	4 ft.	7/6/17	ND	ND	24.71	2570
F6-4	4 ft.	7/6/17	ND	ND	138	719
SE1-0	0-4 in.	7/6/17	ND	ND	6.29	1510
SE1-2	2 ft.	7/6/17	ND	ND	5.34	700
ESS1-0	0-4 in.	7/6/17	ND	ND	2.89	349
ESS1-2	2 ft.	7/6/17	ND	ND	3.8	107
EN1-1	1 ft.	7/17/17	<0.01	<0.01	13.8	77.6
EN2-1	1 ft.	7/17/17	<0.01	<0.01	7.52	118
EN3-0	0-4 in.	7/17/17	ND	<0.01	26.64	160
EC2-1	1 ft.	7/17/17	<0.01	<0.01	7.17	121
EC2-2	2 ft.	7/17/17	<0.01	<0.01	10.8	224
ESN2-0	0-4 in.	7/17/17	<0.01	<0.01	46.2	272
ESN2-2	2 ft.	7/17/17	<0.01	<0.01	9.8	113
SE2-0	0-4 in.	7/17/17	<0.01	<0.01	7.41	1250
SE2-2	2 ft.	7/17/17	<0.01	<0.01	5.44	1300
WS2-2	*2 ft.	7/17/17	<0.01	<0.01	440	476
SC1-0	0-4 in.	7/25/17	ND	ND	6.60	72.4
SC1-2	2 ft.	7/25/17	ND	ND	14.6	521
SE3-0	0-4 in.	7/25/17	ND	ND	10.2	173
SE3-2	2 ft.	7/25/17	ND	ND	8.83	176
ESS2-0	0-4 in.	7/25/17	ND	ND	4.73	121
ESS2-2	2 ft.	7/25/17	ND	ND	9.55	115
WS3-2	*2 ft.	7/25/17	ND	ND	4	50.9
		Action Level ³	10 mg/kg	50 ma/ka	1,000 mg/kg	600 ma/ka

Notes:

* Designates 2 foot sample is surface level of surrounding pasture

ND - Not Detected at the Sample Detection Limit

¹Samples collected by PES and analyzed by ESC Lab Sciences in Mt. Juliet, TN.

²Benzene by Method 8021.

³BTEX by Method 8021, value is sum of Benzene, Toluene, Ethylbenzene and Total Xylene.

 4 Total Petroleum Hydrocarbons (TPH) by Method 8015/8021, value is sum of Gas Range (Low Fraction = Ce-C₁₀), Diesel Range (C₁₀-C₂₈), and Oil Range (C₂₈-C₄₀).

⁵Chloride by U. S. EPA Method 9056A.

⁶Site Specific Remediation Action Levels (RAL)

Appendix A Photograph Log

Remediation Photograph Log BC Operating – Angell #1 Lea County, NM



Photo 1: Initial remediation of beneath tanks.



Photo 2: View of excavation, facing south.



Photo 3: View of excavation facing east.



Photo 4: View of excavation facing north.

Remediation Photograph Log BC Operating – Angell #1 Lea County, NM



Photo 5: Loading contaminated soil into trucks for disposal.



Photo 6: Installation of 30 mil. liner in keyways.



Photo 7: Double welding seams of liner across the length of the excavation.



Photo 8: View of liner installed in keyway, facing north.

Remediation Photograph Log BC Operating – Angell #1 Lea County, NM



Photo 9: Backfilling excavation on top of 30 mil. liner.



Photo 11: View of backfilled excavation and slope to pasture, facing northeast.



Photo 10: Compacting backfill in one foot lifts with sheep foot roller.



Photo 12: View of backfilled excavation to grade of well pad, facing northwest.

Appendix B Log Book

10 ANGER # 1 VERD DELIN/ACR SMARE 6/26/2017 1145 FEONSITE METH JUAN CORDENAS ON ANGELHE? 1230 ACE-001 & SAMPLES TAKEN 1235 ACP-002) AT THE ANGUEL CAUCHE 1240 ACP-003 1300 DRILLER INROURPIT. 1400 TALON LPE ONSTIE, AIR FOTARYN/CAUTSPUN JOSE DRILLER REICHDRALLTW-650-WIT 6 ALBJANDRO HAND CESAR HAND BEEDN DRILLING VIR R430 - VIRES TAKEN @ CLAY/CAUCHES INTERFACE 1440 1450 VIR-10 PINE CALLERE VIR-15 LIGHTBRIPING CAUCHE LOSG + SOMM LIGHTER TELYHITE LOUSE DRY 1500 V1.6-20 VIR-25 SOF 1505 VIR-30 FIRST RETRIEVEL WAS SLOUKNET, FROM ABON 1515 CLEAN OUT HOLE + RE ENTERL 1530 VIR30 TOKEN RETURN WAR ONLY 1'+ "HARD" CONSISTED OF WHITE PANDORY CALICHES * (POSSIBLE SOUGH) SMALL TO MODIUM SIZE GRAVEL, DRY SAMPLES PACKED + NOCEDON ICE IMMODIATING AFTER COLLECTION OF EACH-SAMPLE. 1045 OFF STIG 5

6/30/20171 REMEDIATION SAMPLING 0900 FE ONSITE. Ryle NUBRAGH (IJB) ON SITE. -NORTHEND OF EXCONNTRON 15 CLEAR TO SAMPLE 4' PEEP ON EDSI SIDE ~ L' DEEP ON WEST SIDES (EVEN W/POSTURE 0930 PREP. TO SAMPLE SIDE NOW DON NEND OF EXCONATION SAMPLE TAKEN @ SURFACE/2 (PASTURELIGE) 0955 N1-2 WN1-2 SAMPLE TOKON SAME AS PROVIDUS 1005 1010 ENT-O SAMPLETAKON 0-4"(PDD) 1015 ENI-2 SOMPLETAKENE 2' SAMPLES PACKED ON ICE FOR SHIPPING TO UBB. 1100 FE OFF STTB. HP3 Rite in the Rain .

12 REMEDISTION SON	MPUNG-SIDEHOUSTFLOOT 6/2017
1330 FEONSME	
	85% OF MARKED BEERS HAVEBEEN
EXCAVATED	D TO If BELOW THE LEVEL OF THE POD.
	TO SAMPLE - MEDSURED OFF LOCATION
MAIN ARER.	WBR_TB = 40 x 200 W/ ADDITIONAL
	IN SEGOG OF EXC.
1420 EC1-0	SAMPLE TAKEN CALICUS FORESTAN
1425 EC1-2	11 VI BOOWN SUTTSOMON/CLAN
1440 WC1-2	12 " Blass " " PASSIVES
1445 WS1-2	it at it at it.
1455 SW1-0	SAMPLE TAKEN WHITE IS & CALICUS
1500 SW1-2	" Exclour Siltry And
1510 ESN1-0	i " SITH SAND W/ CALICHE GRAVE
1520 ESN1-2	
the state	SAMPLE TAKES GROVELY TOP OF COUCHE
1545 FZ-4	" LIGHT BROW SANDYCLAY
1550 F3-4	" " GRINELY TOPOE CALICLE ODOR
1610 F4.4	12 11 GORANEW CLAY IS ROVE CAUCHE
1620 F5-4	GRAVBLY CLAY DAMP
1630 F6-4	" " GRAVENS SILL DEY
16 to SE1.0	IL I' INHAKTE CALICHES
1645 SE1-L	" " BREAWN SICTY SAND
1655 ES\$1-0	" PINKISH WHITE CALLCOUS
1700 6551-2	Somple MAP ON 8/2×11 IN CLIPBOND.
1710 OFF SITTS	Sample map on size in currents.

CONFIRMATION SAMPLINE 7/17/2017 1350 PE ON SITE - EXCANDIAN HAS BEEN CONTINUED PER STIG MAP SENT TO JOB ON 7/12. CLEAR SKIBS 90° - PREP TO SAMPLE NE DREA 1'EXC. AND SE LOCATIONS. MEDSLEGE OFFICERS. 1430 ENI-1 SAMPLE TOKEN 1435 ENZ-1. SAMPLE TAKEN 1440 EN3-0 4 1445 EQ-1 1 1450 EC2-2 " 1450 EC2-2 " 1455 ESNZ-0 " 1503 ESNZ-2 " ¢ (1) 11 11 13 1505 SE2-0 " 1.1 1510 552-2 " ... 1515 WSZ-2 " .. SAMAE PACKED ON ICE FOR SHIPMONT 1600 FE OFF SITE Rite in the Rain.

14 CONFIRMATION SAMPLING SE 7/27/2017 1100 FE ON SITE 78° + SUMMY PROP TO SOMPTE SB CORNOR SCI-O SAMAD TAKEN W/SIDBNAN 1130 SC1-2 " " 1135 SE3-D SAMPLE TOKISY ON SOUTH WALK 1145 1150 SE3-2 ESS2-0 Somat TAKEN ON E/WALL 1200 ES52-2 1205 1215 WS3-2 SOMPLER NEAR SON COPPLER OF EXCONATION ~ 10'NORTH OF GRAVER. FE OFF SITE - KEYWAYS UNDER EXCAVATIN. 1250

8/24/2017 15 CLOSURE - 30 MIL LINGE 0915 JUB SOKNES QUESTA W/CROW TO INSTALL 30 MIL BLACK LINDIC. 0930 LAYING OUT LINER AND MEASURING FOC Anchoring INTO KEYWAYS, REMOVE SNOW EENCOFOR ACCESSIN(ERUPMENT 1015 LINER (IST SECTION)LAID IN BOTEM OF BOCANDOTTON, BEENN WBLOING SEDMS W/ DOUBLE WELD NORTH To SOUTH. 1225 LINER INSTALLED IN EXCANATION, BEGIN ANCHORING LINBRIN PERIMOTER Kayway 5 1245 BEGIN BOCK FILL W/ MOTERIAS MINER FROM THE ANGER CALICHO PIT (ACP) 1.5 MILES SOUTH OF SITE. FIRST LIFT IS 6 INCLIOS, FEMALATO COVER, FARBOT OF WIND AND RAIN. REMAINING LIFTS VALL REL / FOST. 1550 22 TRUCKLONDS DELINERD, PRENDING W/BOCKHEGAND FRONT BND LODDER 2010 SS TRUCK LOADS ON THE DAUR 12/LOAD= 196 Cy. 175017 SIRB.

Rite in the Rain .

Appendix C Laboratory Reports



ANALYTICAL REPORT July 10, 2017



Pike Energy Services - San Antonio, TX

Sample Delivery Group: Samples Received: Project Number: Description: Site:

Report To:

L919923 07/01/2017 BC-004 BC-Angell #1 - Remediation ANGELL #1 Frank Engallina 321 Pike Rd. San Antonio, TX 78209

Entire Report Reviewed By: Chu, fort

Chris McCord Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

Mount Juliet. TN 37122 12065 Lebanon Rd 615-758-5858 800-767-5859 www.esclabsciences.com

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3	² Tc
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10	G
11	⁸ Al
13	
14	⁹ Sc
15	
16	

Cp: Cover Page

Tc: Table of Contents Ss: Sample Summary Cn: Case Narrative Sr: Sample Results N1-2 L919923-01 WN1-2 L919923-02 EN1-0 L919923-03 EN1-2 L919923-04

Qc: Quality Control Summary

GI: Glossary of Terms

Sc: Chain of Custody

Al: Accreditations & Locations

Total Solids by Method 2540 G-2011 Wet Chemistry by Method 9056A

Volatile Organic Compounds (GC) by Method 8015/8021 Semi-Volatile Organic Compounds (GC) by Method 8015M

SDG: L919923

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.

3

Ср

Тс

Ss

Cn

Sr

Qc

Gl

Â

Sc

			Collected by Frank Engallina	Collected date/time	Received date/time
N1-2 L919923-01 Solid			Frank Engallina	06/30/17 09:55	07/01/17 08:45
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Total Solids by Method 2540 G-2011	WG995237	1	07/03/17 09:44	07/03/17 09:54	MLW
Wet Chemistry by Method 9056A	WG995742	1	07/05/17 11:30	07/05/17 13:04	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG995062	1	07/01/17 15:29	07/05/17 14:11	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG995139	1	07/05/17 08:04	07/05/17 16:54	KLM
			Collected by	Collected date/time	Received date/time
WN1-2 L919923-02 Solid			Frank Engallina	06/30/17 10:05	07/01/17 08:45
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Total Solids by Method 2540 G-2011	WG995237	1	07/03/17 09:44	07/03/17 09:54	MLW
Wet Chemistry by Method 9056A	WG995742	1	07/05/17 11:30	07/05/17 13:12	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG995062	1	07/01/17 15:29	07/01/17 21:44	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG995139	1	07/05/17 08:04	07/07/17 16:39	KLM
			Collected by	Collected date/time	Received date/time
EN1-0 L919923-03 Solid			Frank Engallina	06/30/17 10:10	07/01/17 08:45
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Total Solids by Method 2540 G-2011	WG995237	1	07/03/17 09:44	07/03/17 09:54	MLW
Wet Chemistry by Method 9056A	WG995742	1	07/05/17 11:30	07/05/17 13:21	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG995062	1	07/01/17 15:29	07/01/17 22:04	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG995139	20	07/05/17 08:04	07/05/17 17:25	KLM
			Collected by	Collected date/time	Received date/time
EN1-2 L919923-04 Solid			Frank Engallina	06/30/17 10:15	07/01/17 08:45
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Total Solids by Method 2540 G-2011	WG995237	1	07/03/17 09:44	07/03/17 09:54	MLW
Wet Chemistry by Method 9056A	WG995742	1	07/05/17 11:30	07/05/17 13:30	SAM

WG995062

WG995139

Volatile Organic Compounds (GC) by Method 8015/8021

Semi-Volatile Organic Compounds (GC) by Method $8015 \mathrm{M}$

SDG: L919923

07/01/17 15:29

07/05/17 08:04

1

1

07/01/17 22:25

07/05/17 17:09

LRL

KLM

CASE NARRATIVE

*

Тс

Ss

Cn

Sr

Qc

GI

AI

Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord Technical Service Representative

Project Narrative

TPH Low Fraction is C6 - C10.

Collected date/time: 06/30/17 09:55

SAMPLE RESULTS - 01 L919923

336

Total	Solids	bv	Method	2540	G-2011
rotui	J 01103	Юy	Method	2010	0 2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	75.9		1	07/03/2017 09:54	WG995237	² Tc

Wet Chemistry by Method 9056A

Wet Chemistry by	nemistry by Method 9056A					³ Ss			
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		4 Cn
Chloride	217		1.05	10.0	13.2	1	07/05/2017 13:04	WG995742	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	0.000321	<u>J J3 J6</u>	0.000158	0.000500	0.000659	1	07/05/2017 14:11	WG995062
Toluene	0.000500	<u>J J3 J6</u>	0.000198	0.00500	0.00659	1	07/05/2017 14:11	WG995062
Ethylbenzene	0.000288	<u>J J3 J6</u>	0.000145	0.000500	0.000659	1	07/05/2017 14:11	WG995062
Total Xylene	0.00101	<u>J J3 J6</u>	0.000606	0.00150	0.00198	1	07/05/2017 14:11	WG995062
TPH (GC/FID) Low Fraction	U	<u> J3 J6</u>	0.0286	0.100	0.132	1	07/05/2017 14:11	WG995062
(S) a,a,a-Trifluorotoluene(FID)	97.7				77.0-120		07/05/2017 14:11	WG995062
(S) a,a,a-Trifluorotoluene(PID)	90.9				75.0-128		07/05/2017 14:11	WG995062

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	U		2.95	4.00	5.27	1	07/05/2017 16:54	WG995139
C20-C36 Hydrocarbons	4.40	J	0.897	4.00	5.27	1	07/05/2017 16:54	WG995139
(S) o-Terphenyl	53.1				18.0-148		07/05/2017 16:54	WG995139

Collected date/time: 06/30/17 10:05

SAMPLE RESULTS - 02 L919923

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Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	
Analyte	%			date / time		2
Total Solids	163		1	07/03/2017 09:54	WG995237	17

Wet Chemistry by Method 9056A

Wet Chemistry by I	Chemistry by Method 9056A					³ Ss			
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		4 Cn
Chloride	206		0.488	10.0	6.14	1	07/05/2017 13:12	WG995742	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		
Benzene	0.000370		0.0000737	0.000500	0.000307	1	07/01/2017 21:44	WG995062	
Toluene	0.000447	J	0.0000921	0.00500	0.00307	1	07/01/2017 21:44	WG995062	
Ethylbenzene	0.000146	J	0.0000675	0.000500	0.000307	1	07/01/2017 21:44	WG995062	
Total Xylene	0.000294	J	0.000282	0.00150	0.000921	1	07/01/2017 21:44	WG995062	
TPH (GC/FID) Low Fraction	U		0.0133	0.100	0.0614	1	07/01/2017 21:44	WG995062	
(S) a,a,a-Trifluorotoluene(FID)	95.6				77.0-120		07/01/2017 21:44	WG995062	
(S) a,a,a-Trifluorotoluene(PID)	99.6				75.0-128		07/01/2017 21:44	WG995062	

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	6.12		1.38	4.00	2.46	1	07/07/2017 16:39	WG995139
C20-C36 Hydrocarbons	36.2		0.418	4.00	2.46	1	07/07/2017 16:39	WG995139
(S) o-Terphenyl	71.4				18.0-148		07/07/2017 16:39	WG995139

SAMPLE RESULTS - 03 L919923



Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	54.4		1	07/03/2017 09:54	<u>WG995237</u>	¯Тс

Wet Chemistry by Method 9056A

Wet Chemistry by Me	ethod 9056A								³ Ss
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		⁴ Cn
Chloride	497		1.46	10.0	18.4	1	07/05/2017 13:21	WG995742	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	0.000246	J	0.000221	0.000500	0.000919	1	07/01/2017 22:04	WG995062
Toluene	0.000354	J	0.000276	0.00500	0.00919	1	07/01/2017 22:04	WG995062
Ethylbenzene	0.000516	J	0.000202	0.000500	0.000919	1	07/01/2017 22:04	WG995062
Total Xylene	0.0103		0.000846	0.00150	0.00276	1	07/01/2017 22:04	WG995062
TPH (GC/FID) Low Fraction	0.856		0.0399	0.100	0.184	1	07/01/2017 22:04	WG995062
(S) a,a,a-Trifluorotoluene(FID)	94.1				77.0-120		07/01/2017 22:04	WG995062
(S) a,a,a-Trifluorotoluene(PID)	98.8				75.0-128		07/01/2017 22:04	WG995062

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	431		82.4	4.00	147	20	07/05/2017 17:25	WG995139
C20-C36 Hydrocarbons	695		25.0	4.00	147	20	07/05/2017 17:25	WG995139
(S) o-Terphenyl	5.43	J2			18.0-148		07/05/2017 17:25	WG995139

Collected date/time: 06/30/17 10:15

SAMPLE RESULTS - 04 L919923

3

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch		Ср
Analyte	%			date / time		, r	2
Total Solids	88.2		1	07/03/2017 09:54	<u>WG995237</u>		Tc

Wet Chemistry by Method 9056A

Wet Chemistry by	Method 9056A								³ Ss
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		4 Cn
Chloride	71.0		0.901	10.0	11.3	1	07/05/2017 13:30	WG995742	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	0.000328	J	0.000136	0.000500	0.000567	1	07/01/2017 22:25	WG995062
Toluene	0.000446	J	0.000170	0.00500	0.00567	1	07/01/2017 22:25	WG995062
Ethylbenzene	0.000481	J	0.000125	0.000500	0.000567	1	07/01/2017 22:25	WG995062
Total Xylene	0.00129	J	0.000521	0.00150	0.00170	1	07/01/2017 22:25	WG995062
TPH (GC/FID) Low Fraction	U		0.0246	0.100	0.113	1	07/01/2017 22:25	WG995062
(S) a,a,a-Trifluorotoluene(FID)	98.1				77.0-120		07/01/2017 22:25	WG995062
(S) a,a,a-Trifluorotoluene(PID)	102				75.0-128		07/01/2017 22:25	WG995062

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	U		2.54	4.00	4.53	1	07/05/2017 17:09	WG995139
C20-C36 Hydrocarbons	5.13		0.772	4.00	4.53	1	07/05/2017 17:09	WG995139
(S) o-Terphenyl	68.0				18.0-148		07/05/2017 17:09	WG995139

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Total Solids by Method 2540 G-2011

QUALITY CONTROL SUMMARY

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Method Blank (MB)

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7/03/17 09:54					
MB Result	MB Qualifier	MB MDL	MB RDL		2
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0.000100					
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	%	7/03/17 09:54 MB Result <u>MB Qualifier</u> %	7/03/17 09:54 MB Result <u>MB Qualifier</u> MB MDL I % %	7/03/17 09:54 MB Result <u>MB Qualifier</u> MB MDL MB RDL % % %	7/03/17 09:54 MB Result MB Qualifier MB MDL MB RDL % % %

L919914-01 Original Sample (OS) • Duplicate (DUP)

(OS) L919914-01 07/03/1	7 09:54 • (DUP) F	R3230811-3 0	7/03/17 09	:54		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	68.4	65.2	1	4.86		5

Laboratory Control Sample (LCS)

(LCS) R3230811-2 07/	//03/17 09:54				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

SDG: L919923 DATE/TIME: 07/10/17 21:01

PAGE: 9 of 16

WG995742

Wet Chemistry by Method 9056A

QUALITY CONTROL SUMMARY

Method Blank (MB)

(MB) R3231115-1 07/0	05/17 12:27			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	U		0.795	10.0

L919854-05 Original Sample (OS) • Duplicate (DUP)

(OS) L919854-05 07/05/1	7 15:37 • (DUP) F	R3231115-4 07/	/05/17 15:4	46							
Original Result (dry) DUP Result (dry) Dilution DUP RPD <u>DUP Qualifier</u> DUP RPD Limits											
Analyte	mg/kg	mg/kg		%		%					
Chloride	49.5	50.9	1	3		15					

L920016-05 Original Sample (OS) • Duplicate (DUP)

	(17 10·2E (DUD)	D222111E 7 (7/0E/17 10	. 1 . 1			G				
(OS) L920016-05 07/05/17 18:35 • (DUP) R3231115-7 07/05/17 18:44 Original Result (dov) DUP Result (dry) Dilution DUP RPD <u>DUP Qualifier</u> DUP RPD Limits											
Analista	(ury)		ary) Dilution		DUP Qualifier		ٌAI				
Analyte Chloride	mg/kg 3070	mg/kg 2890	5	6		15	9				
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Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3231115-2 07/05	(LCS) R3231115-2 07/05/17 12:36 • (LCSD) R3231115-3 07/05/17 12:45												
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits			
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%			
Chloride	200	195	192	98	96	80-120			2	15			

L919854-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L919854-06 07/05/17	(OS) L919854-06 07/05/17 17:42 • (MS) R3231115-5 07/05/17 17:50 • (MSD) R3231115-6 07/05/17 17:59												
	Spike Amount Original Result MS Result (dry) MSD Result MS Rec. MSD Rec. Dilution Rec. Limits <u>MS Qualifier</u> MSD Qualifier RPD RPD Limits (dry) (dry)												
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%	
Chloride	571	24.2	620	620	104	104	1	80-120			0	15	

ACCOUNT:									
Pike Energy Services - San Antonio, TX									

DATE/TIME: 07/10/17 21:01

Volatile Organic Compounds (GC) by Method 8015/8021

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Method Blank (MB)

(MB) R3230850-3 07/01	/17 16:32			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Benzene	U		0.000120	0.000500
Toluene	U		0.000150	0.00500
Ethylbenzene	U		0.000110	0.000500
Total Xylene	U		0.000460	0.00150
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(F	TD) 102			77.0-120
(S) a,a,a-Trifluorotoluene(P	ND) 105			75.0-128

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%	
Benzene	0.0500	0.0523	0.0520	105	104	71.0-121			0.590	20	
Foluene	0.0500	0.0574	0.0568	115	114	72.0-120			0.980	20	
Ethylbenzene	0.0500	0.0566	0.0559	113	112	76.0-121			1.19	20	
Fotal Xylene	0.150	0.185	0.184	123	122	75.0-124			0.760	20	
(S) a,a,a-Trifluorotoluene(FID)			102	96.3	77.0-120					
(S) a,a,a-Trifluorotoluene(PID	l)			102	101	75.0-128					

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

LCS) R3230850-4 07/01/17 18:39 • (LCSD) R3230850-5 07/01/17 19:00												
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits		
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%		
TPH (GC/FID) Low Fraction	5.50	5.87	5.75	107	105	70.0-136			2.04	20		
(S) a,a,a-Trifluorotoluene(FID)				100	100	77.0-120						
(S) a,a,a-Trifluorotoluene(P	105	104	75.0-128									

L919923-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L919923-01 07/05/17	OS) L919923-01 07/05/17 14:11 • (MS) R3231125-1 07/05/17 14:32 • (MSD) R3231125-2 07/05/17 14:53											
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Benzene	0.0659	0.000321	0.0298	0.00391	44.7	5.45	1	10.0-146		<u> J3 J6</u>	154	29
Toluene	0.0659	0.000500	0.0252	0.00162	37.5	1.71	1	10.0-143		<u>J3 J6</u>	176	30
Ethylbenzene	0.0659	0.000288	0.0202	0.000831	30.3	0.825	1	10.0-147		<u>13 16</u>	184	31
Total Xylene	0.198	0.00101	0.0630	0.00234	31.4	0.671	1	10.0-149	<u>J6</u>	<u>J3 J6</u>	186	30

ACCOUNT:	PROJECT:	SDG:	DATE/TIME:
Pike Energy Services - San Antonio, TX	BC-004	L919923	07/10/17 21:01

Volatile Organic Compounds (GC) by Method 8015/8021

QUALITY CONTROL SUMMARY

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L919923-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

((OS) L919923-01 07/05/17 14:11 • (MS) R3231125-1 07/05/17 14:32 • (MSD) R3231125-2 07/05/17 14:53												
		Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
ļ	Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
	(S) a,a,a-Trifluorotoluene(FID)					98.3	97.7		77.0-120				
	(S) a,a,a-Trifluorotoluene(PID)					93.7	90.8		75.0-128				

Sample Narrative:

MS: Spike low recovery due to sample matrix.

MSD: Spike low recovery due to sample matrix

L919923-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L919923-01 07/05/17 14:11 • (MS) R3231125-3 07/05/17 15:15 • (MSD) R3231125-4 07/05/17 15:36 Spike Amount Original Result MSD Result MS Result (dry) MS Rec. MSD Rec. Dilution Rec. Limits MS Qualifier MSD Qualifier RPD **RPD** Limits (dry) (dry) (dry) mg/kg % % % % % Analyte mg/kg mg/kg mg/kg TPH (GC/FID) Low Fraction U 3.55 3.91 170 30 7.25 0.283 49.0 10.0-147 <u>J3 J6</u> 1 (S) a,a,a-Trifluorotoluene(FID) 96.0 97.6 77.0-120 88.8 75.0-128 (S) a,a,a-Trifluorotoluene(PID) 97.6

Sample Narrative:

MS: Spike low recovery due to sample matrix

MSD: Spike low recovery due to sample matrix

DATE/TIME: 07/10/17 21:01

Semi-Volatile Organic Compounds (GC) by Method 8015M

QUALITY CONTROL SUMMARY

Method Blank (MB)

Method Blank (M	5)				
(MB) R3231169-1 07/05/	7 16:07				
	MB Result	MB Qualifier	MB MDL	MB RDL	
Analyte	mg/kg		mg/kg	mg/kg	
C10 - C20 Hydrocarbons	U		2.24	4.00	
C20-C36 Hydrocarbons	U		0.681	4.00	
(S) o-Terphenyl	57.0			18.0-148	

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3231169-2 07/05/	17 16:23 • (LCSE) R3231169-3	07/05/17 16:38							
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
C10 - C20 Hydrocarbons	30.0	21.6	22.7	72.1	75.8	50.0-150			4.99	20
C20-C36 Hydrocarbons	30.0	16.1	17.0	53.7	56.7	50.0-150			5.46	20
(S) o-Terphenyl				59.9	62.6	18.0-148				

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L920096-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L920096-01 0//0//1/	′ 16:51 • (MS) R3	3231/5/-1 0//0	//1/ 1/:03 • (MS	SD) R3231/5/-2	2 0//0//1/ 1/:1	5						
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
C10 - C20 Hydrocarbons	37.3	ND	218	316	584	846	1	50.0-150	<u>J5</u>	E J3 J5	36.7	20
C20-C36 Hydrocarbons	37.3	ND	240	338	642	904	1	50.0-150	<u>J5</u>	<u>E J3 J5</u>	33.9	20
(S) o-Terphenyl					74.4	141		18.0-148				

SDG: L919923 DATE/TIME: 07/10/17 21:01

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GLOSSARY OF TERMS

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Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
U	Not detected at the Sample Detection Limit.
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.
SDL	Sample Detection Limit.
SDL (dry)	Sample Detection Limit.
MQL (dry)	Method Quantitation Limit.
MQL	Method Quantitation Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

ACCOUNT:	
Pike Energy Services - San Antonio, T	Х

SDG: L919923

ACCREDITATIONS & LOCATIONS

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE. * Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey-NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina ¹	DW21704
Florida	E87487	North Carolina ²	41
Georgia	NELAP	North Dakota	R-140
Georgia ¹	923	Ohio-VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
lowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky ¹	90010	South Dakota	n/a
Kentucky ²	16	Tennessee 14	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA-Crypto	TN00003		

¹ Drinking Water ². Underground Storage Tanks ³. Aquatic Toxicity ⁴. Chemical/Microbiological ⁵. Mold ^{n/a} Accreditation not applicable

Our Locations

ACCOUNT:

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



PROJECT: BC-004

SDG: L919923

DATE/TIME: 07/10/17 21:01

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oject scription: Angell	-#/)	Rema	0.00	City/State Collected: 207	INGTON, N	IM										Fax: 615-	-758-5859	
one: (210) 363-2431 x:	Client Project # BC-00		1	Lab Project #	29		9056	8015	1208								<i>9199</i> 129	
Hected by (print):	Site/Facility ID	#	1.1	P.O. #			10			1		2				Acctnu		
mmediately packed on Ice N Y	Rush? (La	ab MUST Be 1 y Five D y 5 Day 10 Da	Jay (Rad Only)	Quote # Date Resu 7/5/20	ults Needed	No. of	HLORIDE	DRO/MRO	Ex/Greo							Prelog TSR: PB:	gin:	
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	CH	A	BTEX							and the second se	ed Via:	Sample # (lab only)
N1-2	GRAB	55	2'*		0955	2	X	X	×			1				15	- CP	-01
WN1-2		1	2'*		1005	2	Contraction of the	×	x					_				02
EN1-0			0-4"		1010	2	1000000	X	×					-				07
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Matrix: 5 - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay	Remarks:	FEXT	Day	TAT!	* SURFA	ce				pH Flow		Temp Othe			COC Seal COC Sign Bottles Correct	1 Present med/Accus arrive bottles	it/Intact: intact: intact: intact:	
WW - WasteWater DW - Drinking Water OT - Other	Samples return	edExCo			Fracking (5	73 haturel	52	222	74	1/5		eived: Y	Yes No	>	Sufficie	ent volu <u>If</u> o Headsp	Applicab	De _x _
Relinquished by (Sighture)	2×2	Date:	10017	1800				1-					HCL7Me TBR ttles Receive	L	If preserve	ration requi	ured by Los	ogin: Date/Time
Relinquished by Signature	1.1	Date: /	1	Time: R	Received by: (Sig	nature)				Temp: 5, L		C dol	S		pread			
Relinquished by : (Signature)	Star B	Date:		Time: F	Received for lab I	by: Isign	lature)	2	1000	Date:	112	Tin	me: 084	5	Hold:			Condition: NCF / OR



ANALYTICAL REPORT July 12, 2017



Pike Energy Services - San Antonio, TX

Sample Delivery Group: Samples Received: Project Number: Description:

Site:

Report To:

L921068 07/08/2017 BC-004 **BC-Angell #1 Remediation** ANGELL #1 Frank Engallina 321 Pike Rd. San Antonio, TX 78209

Entire Report Reviewed By: Chu, forth

Chris McCord Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

Mount Juliet. TN 37122 12065 Lebanon Rd 615-758-5858 800-767-5859 www.esclabsciences.com

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SDG: L921068

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.

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EC1-0 L921068-01 Solid Wethod Fotal Solids by Method 2540 G-2011 Wet Chemistry by Method 9056A Volatile Organic Compounds (GC) by Method 8015/8021 Semi-Volatile Organic Compounds (GC) by Method 8015M EC1-2 L921068-02 Solid Wethod Fotal Solids by Method 2540 G-2011 Wet Chemistry by Method 9056A Volatile Organic Compounds (GC) by Method 8015/8021 Semi-Volatile Organic Compounds (GC) by Method 8015/8021 Semi-Volatile Organic Compounds (GC) by Method 8015/8021 Semi-Volatile Organic Compounds (GC) by Method 8015/8021	Batch WG997022 WG996938 WG997255 WG997145 Batch WG997022 WG996938 WG997255 WG997145	Dilution 1 5 1 1 Dilution 1 5 1 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Frank Engallina Preparation date/time 07/08/17 15:38 07/08/17 19:06 07/08/17 13:17 07/12/17 00:00 Collected by Frank Engallina Preparation date/time 07/08/17 15:38 07/08/17 19:06 07/08/17 13:17 07/12/17 00:00	07/06/17 14:20 Analysis date/time 07/08/17 15:46 07/11/17 15:18 07/11/17 15:18 07/12/17 11:44 Collected date/time 07/06/17 14:25 Analysis date/time 07/08/17 15:46 07/11/17 18:54 07/11/17 18:14 07/12/17 12:27	07/08/17 08:45 Analyst KDW SAM JAH ACM Received date/tim 07/08/17 08:45 Analyst KDW SAM DWR ACM
Total Solids by Method 2540 G-2011 Wet Chemistry by Method 9056A /olatile Organic Compounds (GC) by Method 8015/8021 Semi-Volatile Organic Compounds (GC) by Method 8015M EC1-2 L921068-02 Solid Method Total Solids by Method 2540 G-2011 Wet Chemistry by Method 9056A /olatile Organic Compounds (GC) by Method 8015/8021 Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997022 WG996938 WG997255 WG997145 Batch WG997022 WG996938 WG997255	1 5 1 1 Dilution 1 5 1	date/time 07/08/17 15:38 07/08/17 19:06 07/08/17 13:17 07/12/17 00:00 Collected by Frank Engallina Preparation date/time 07/08/17 15:38 07/08/17 19:06 07/08/17 13:17	date/time 07/08/17 15:46 07/11/17 18:45 07/11/17 15:18 07/12/17 11:44 Collected date/time 07/06/17 14:25 Analysis date/time 07/08/17 15:46 07/11/17 18:54 07/11/17 18:14	KDW SAM JAH ACM Received date/tim 07/08/17 08:45 Analyst KDW SAM DWR
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EC1-2 L921068-02 Solid Wethod Total Solids by Method 2540 G-2011 Wet Chemistry by Method 9056A Volatile Organic Compounds (GC) by Method 8015/8021 Semi-Volatile Organic Compounds (GC) by Method 8015M	Batch WG997022 WG996938 WG997255	Dilution 1 5 1	Collected by Frank Engallina Preparation date/time 07/08/17 15:38 07/08/17 19:06 07/08/17 13:17	Collected date/time 07/06/17 14:25 Analysis date/time 07/08/17 15:46 07/11/17 18:54 07/11/17 18:14	Received date/tim 07/08/17 08:45 Analyst KDW SAM DWR
Method Fotal Solids by Method 2540 G-2011 Wet Chemistry by Method 9056A Jolatile Organic Compounds (GC) by Method 8015/8021 Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997022 WG996938 WG997255	1 5 1	Frank Engallina Preparation date/time 07/08/17 15:38 07/08/17 19:06 07/08/17 13:17	07/06/17 14:25 Analysis date/time 07/08/17 15:46 07/11/17 18:54 07/11/17 18:14	07/08/17 08:45 Analyst KDW SAM DWR
Method Total Solids by Method 2540 G-2011 Wet Chemistry by Method 9056A Volatile Organic Compounds (GC) by Method 8015/8021 Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997022 WG996938 WG997255	1 5 1	Preparation date/time 07/08/17 15:38 07/08/17 19:06 07/08/17 13:17	Analysis date/time 07/08/17 15:46 07/11/17 18:54 07/11/17 18:14	Analyst KDW SAM DWR
Total Solids by Method 2540 G-2011 Wet Chemistry by Method 9056A /olatile Organic Compounds (GC) by Method 8015/8021 Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997022 WG996938 WG997255	1 5 1	date/time 07/08/17 15:38 07/08/17 19:06 07/08/17 13:17	date/time 07/08/17 15:46 07/11/17 18:54 07/11/17 18:14	KDW SAM DWR
Wet Chemistry by Method 9056A /olatile Organic Compounds (GC) by Method 8015/8021 Semi-Volatile Organic Compounds (GC) by Method 8015M	WG996938 WG997255	5 1	07/08/17 15:38 07/08/17 19:06 07/08/17 13:17	07/08/17 15:46 07/11/17 18:54 07/11/17 18:14	SAM DWR
Wet Chemistry by Method 9056A Volatile Organic Compounds (GC) by Method 8015/8021 Semi-Volatile Organic Compounds (GC) by Method 8015M	WG996938 WG997255	5 1	07/08/17 19:06 07/08/17 13:17	07/11/17 18:54 07/11/17 18:14	SAM DWR
Volatile Organic Compounds (GC) by Method 8015/8021 Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997255	1	07/08/17 13:17	07/11/17 18:14	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015M					
	W0001H0	I	57712/17 00.00	VIIIZ/11 12.21	
			Collected by	Collected date/time	Received date/tim
WCI-2 L921068-03 Solid			Frank Engallina	07/06/17 14:40	07/08/17 08:45
Nethod	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Total Solids by Method 2540 G-2011	WG997022	1	07/08/17 15:38	07/08/17 15:46	KDW
Net Chemistry by Method 9056A	WG996938	1	07/08/17 19:06	07/11/17 19:21	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG997255	1	07/08/17 13:17	07/11/17 18:35	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997145	1	07/12/17 00:00	07/12/17 12:42	ACM
			Collected by Frank Engallina	Collected date/time 07/06/17 14:45	Received date/tim 07/08/17 08:45
WS1-2 L921068-04 Solid				0//00/1/ 11:15	01/00/17 00:13
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	1/51//
Fotal Solids by Method 2540 G-2011	WG997022	1	07/08/17 15:38	07/08/17 15:46	KDW
Net Chemistry by Method 9056A	WG996938	5	07/08/17 19:06	07/11/17 19:30	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG997255	1	07/08/17 13:17	07/11/17 18:56	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997145	1	07/12/17 00:00	07/12/17 13:43	ACM
			Collected by	Collected date/time	Received date/tim
SW1-0 L921068-05 Solid			Frank Engallina	07/06/17 14:55	07/08/17 08:45
Vethod	Batch	Dilution	Preparation	Analysis	Analyst
Total Salids by Mathad 2E40 C 2011	WG997022	1	date/time	date/time	
Total Solids by Method 2540 G-2011		1	07/08/17 15:38	07/08/17 15:46	KDW
Net Chemistry by Method 9056A	WG996938	1	07/08/17 19:06	07/11/17 19:39	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG997255	1	07/08/17 13:17	07/11/17 19:17	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997145	1	07/12/17 00:00	07/12/17 12:58	ACM
			Collected by	Collected date/time	Received date/tim
SW1-2 L921068-06 Solid			Frank Engallina	07/06/17 15:00	07/08/17 08:45
Method	Batch	Dilution	Preparation	Analysis	Analyst
Lotal Solids by Mathod 2540 C 2011	WG997022	1	date/time 07/08/17 15:38	date/time 07/08/17 15:46	KDW
Fotal Solids by Method 2540 G-2011		1			
Net Chemistry by Method 9056A	WG996938	1	07/08/17 19:06	07/11/17 19:48	SAM
/olatile Organic Compounds (GC) by Method 8015/8021 Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997255 WG997145	1	07/08/17 13:17 07/12/17 00:00	07/11/17 19:38 07/12/17 13:12	DWR ACM

 ACCOUNT:
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 Pike Energy Services - San Antonio, TX
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 3 of 23

SAMPLE SUMMARY

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			Collected by	Collected date/time	Received date/time
ESN1-0 L921068-07 Solid			Frank Engallina	07/06/17 15:10	07/08/17 08:45
Nethod	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Fotal Solids by Method 2540 G-2011	WG997022	1	07/08/17 15:38	07/08/17 15:46	KDW
Net Chemistry by Method 9056A	WG996938	1	07/08/17 19:06	07/11/17 19:57	SAM
/olatile Organic Compounds (GC) by Method 8015/8021	WG997255	1	07/08/17 13:17	07/11/17 19:59	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997145	1	07/12/17 00:00	07/12/17 13:27	ACM
			Collected by	Collected date/time	Received date/time
ESN1-2 L921068-08 Solid			Frank Engallina	07/06/17 15:20	07/08/17 08:45
M ethod	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Fotal Solids by Method 2540 G-2011	WG997022	1	07/08/17 15:38	07/08/17 15:46	KDW
Net Chemistry by Method 9056A	WG996938	1	07/08/17 19:06	07/11/17 20:06	SAM
/olatile Organic Compounds (GC) by Method 8015/8021	WG997255	1	07/08/17 13:17	07/11/17 20:20	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997145	1	07/12/17 00:00	07/12/17 13:58	ACM
			Collected by	Collected date/time	Received date/time
=1-4 L921068-09 Solid			Frank Engallina	07/06/17 15:35	07/08/17 08:45
Nethod	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Fotal Solids by Method 2540 G-2011	WG997022	1	07/08/17 15:38	07/08/17 15:46	KDW
Net Chemistry by Method 9056A	WG996938	1	07/08/17 19:06	07/11/17 20:15	SAM

WG997255

WG997145

1

5

07/08/17 13:17

07/12/17 00:00

07/11/17 20:40

07/12/17 15:14

Volatile Organic Compounds (GC) by Method 8015/8021

CASE NARRATIVE

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All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord Technical Service Representative

Project Narrative

TPH Low Fraction is C6 - C10.
SAMPLE RESULTS - 01 L921068

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Ср

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	88.5		1	07/08/2017 15:46	<u>WG997022</u>	Tc

Wet Chemistry by Method 9056A

Wet Chemistry by	Method 9056A								³ Ss
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		4 Cn
Chloride	2650		4.49	10.0	56.5	5	07/11/2017 18:45	WG996938	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000136	0.000500	0.000565	1	07/11/2017 15:18	WG997255
Toluene	0.000299	<u>B J</u>	0.000169	0.00500	0.00565	1	07/11/2017 15:18	WG997255
Ethylbenzene	U		0.000124	0.000500	0.000565	1	07/11/2017 15:18	WG997255
Total Xylene	U		0.000520	0.00150	0.00169	1	07/11/2017 15:18	WG997255
TPH (GC/FID) Low Fraction	0.0347	<u>B J</u>	0.0245	0.100	0.113	1	07/11/2017 15:18	WG997255
(S) a,a,a-Trifluorotoluene(FID)	98.5				77.0-120		07/11/2017 15:18	WG997255
(S) a,a,a-Trifluorotoluene(PID)	104				75.0-128		07/11/2017 15:18	WG997255

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	U		2.53	4.00	4.52	1	07/12/2017 11:44	WG997145
C20-C36 Hydrocarbons	3.99	J	0.769	4.00	4.52	1	07/12/2017 11:44	WG997145
(S) o-Terphenyl	68.9				18.0-148		07/12/2017 11:44	WG997145

SAMPLE RESULTS - 02 L921068

3

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	90.5		1	07/08/2017 15:46	WG997022	² Tc

Wet Chemistry by Method 9056A

Wet Chemistry by	Method 9056A								³ Ss
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		4 Cn
Chloride	2090		4.39	10.0	55.3	5	07/11/2017 18:54	WG996938	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000133	0.000500	0.000553	1	07/11/2017 18:14	WG997255
Toluene	U		0.000166	0.00500	0.00553	1	07/11/2017 18:14	WG997255
Ethylbenzene	U		0.000122	0.000500	0.000553	1	07/11/2017 18:14	WG997255
Total Xylene	U		0.000508	0.00150	0.00166	1	07/11/2017 18:14	WG997255
TPH (GC/FID) Low Fraction	0.0361	<u>B J</u>	0.0240	0.100	0.111	1	07/11/2017 18:14	WG997255
(S) a,a,a-Trifluorotoluene(FID)	98.8				77.0-120		07/11/2017 18:14	WG997255
(S) a,a,a-Trifluorotoluene(PID)	100				75.0-128		07/11/2017 18:14	WG997255

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	U		2.48	4.00	4.42	1	07/12/2017 12:27	WG997145
C20-C36 Hydrocarbons	5.22		0.753	4.00	4.42	1	07/12/2017 12:27	WG997145
(S) o-Terphenyl	80.5				18.0-148		07/12/2017 12:27	WG997145

SAMPLE RESULTS - 03 L921068

3

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	97.7		1	07/08/2017 15:46	WG997022	² Tc

Wet Chemistry by Method 9056A

Wet Chemistry by N	Method 9056A								³ Ss
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		4 Cn
Chloride	125		0.814	10.0	10.2	1	07/11/2017 19:21	WG996938	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000123	0.000500	0.000512	1	07/11/2017 18:35	WG997255
Toluene	U		0.000153	0.00500	0.00512	1	07/11/2017 18:35	WG997255
Ethylbenzene	U		0.000113	0.000500	0.000512	1	07/11/2017 18:35	WG997255
Total Xylene	U		0.000471	0.00150	0.00153	1	07/11/2017 18:35	WG997255
TPH (GC/FID) Low Fraction	0.0338	<u>B J</u>	0.0222	0.100	0.102	1	07/11/2017 18:35	WG997255
(S) a,a,a-Trifluorotoluene(FID)	98.9				77.0-120		07/11/2017 18:35	WG997255
(S) a,a,a-Trifluorotoluene(PID)	101				75.0-128		07/11/2017 18:35	WG997255

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	2.82	J	2.29	4.00	4.09	1	07/12/2017 12:42	WG997145
C20-C36 Hydrocarbons	9.37		0.697	4.00	4.09	1	07/12/2017 12:42	WG997145
(S) o-Terphenyl	84.3				18.0-148		07/12/2017 12:42	WG997145

SAMPLE RESULTS - 04 L921068



Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	92.5		1	07/08/2017 15:46	WG997022	Tc

Wet Chemistry by Method 9056A

Wet Chemistry by Method 9056A									³ Ss
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		4 Cn
Chloride	2830		4.30	10.0	54.0	5	07/11/2017 19:30	WG996938	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000130	0.000500	0.000540	1	07/11/2017 18:56	WG997255
Toluene	U		0.000162	0.00500	0.00540	1	07/11/2017 18:56	WG997255
Ethylbenzene	U		0.000119	0.000500	0.000540	1	07/11/2017 18:56	WG997255
Total Xylene	U		0.000497	0.00150	0.00162	1	07/11/2017 18:56	WG997255
TPH (GC/FID) Low Fraction	0.0277	ВJ	0.0235	0.100	0.108	1	07/11/2017 18:56	WG997255
(S) a,a,a-Trifluorotoluene(FID)	97.0				77.0-120		07/11/2017 18:56	WG997255
(S) a,a,a-Trifluorotoluene(PID)	105				75.0-128		07/11/2017 18:56	WG997255

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	3.68	J	2.42	4.00	4.32	1	07/12/2017 13:43	WG997145
C20-C36 Hydrocarbons	20.8		0.736	4.00	4.32	1	07/12/2017 13:43	WG997145
(S) o-Terphenyl	53.3				18.0-148		07/12/2017 13:43	WG997145

SAMPLE RESULTS - 05 L921068



Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	 Ср
Analyte	%			date / time		2
Total Solids	88.9		1	07/08/2017 15:46	WG997022	Тс

Wet Chemistry by Method 9056A

Wet Chemistry by I	Method 9056A								³ Ss
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		4 Cp
Chloride	104		0.895	10.0	11.3	1	07/11/2017 19:39	WG996938	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000135	0.000500	0.000563	1	07/11/2017 19:17	WG997255
Toluene	U		0.000169	0.00500	0.00563	1	07/11/2017 19:17	WG997255
Ethylbenzene	U		0.000124	0.000500	0.000563	1	07/11/2017 19:17	WG997255
Total Xylene	U		0.000518	0.00150	0.00169	1	07/11/2017 19:17	WG997255
TPH (GC/FID) Low Fraction	0.0288	<u>BJ</u>	0.0244	0.100	0.113	1	07/11/2017 19:17	WG997255
(S) a,a,a-Trifluorotoluene(FID)	98.3				77.0-120		07/11/2017 19:17	WG997255
(S) a,a,a-Trifluorotoluene(PID)	105				75.0-128		07/11/2017 19:17	WG997255

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	U		2.52	4.00	4.50	1	07/12/2017 12:58	WG997145
C20-C36 Hydrocarbons	1.37	J	0.766	4.00	4.50	1	07/12/2017 12:58	WG997145
(S) o-Terphenyl	94.0				18.0-148		07/12/2017 12:58	WG997145

SAMPLE RESULTS - 06 L921068



Тс

Total Solids by Method 2540 G-2011

-						10
	Result	Qualifier	Dilution	Analysis	Batch	
Analyte	%			date / time		2
Total Solids	97.4		1	07/08/2017 15:46	WG997022	-

Wet Chemistry by Method 9056A

Wet Chemistry by Method 9056A									
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		⁴ Cn
Chloride	72.7		0.817	10.0	10.3	1	07/11/2017 19:48	WG996938	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		
Benzene	U		0.000123	0.000500	0.000514	1	07/11/2017 19:38	WG997255	<u> </u>
Toluene	U		0.000154	0.00500	0.00514	1	07/11/2017 19:38	WG997255	1
Ethylbenzene	U		0.000113	0.000500	0.000514	1	07/11/2017 19:38	WG997255	
Total Xylene	U		0.000472	0.00150	0.00154	1	07/11/2017 19:38	WG997255	L D
TPH (GC/FID) Low Fraction	0.0314	<u>B J</u>	0.0223	0.100	0.103	1	07/11/2017 19:38	WG997255	
(S) a,a,a-Trifluorotoluene(FID)	98.3				77.0-120		07/11/2017 19:38	WG997255	15
(S) a,a,a-Trifluorotoluene(PID)	104				75.0-128		07/11/2017 19:38	<u>WG997255</u>	ç

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	U		2.30	4.00	4.11	1	07/12/2017 13:12	WG997145
C20-C36 Hydrocarbons	7.96		0.699	4.00	4.11	1	07/12/2017 13:12	WG997145
(S) o-Terphenyl	75.9				18.0-148		07/12/2017 13:12	WG997145

SAMPLE RESULTS - 07 L921068



Тс

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	
Analyte	%			date / time		2
Total Solids	92.0		1	07/08/2017 15:46	WG997022	1-

Wet Chemistry by Method 9056A

Wet Chemistry by I	Method 9056A								³ Ss
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		^₄ Cn
Chloride	589		0.864	10.0	10.9	1	07/11/2017 19:57	WG996938	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	6
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		Ĩ
Benzene	U		0.000130	0.000500	0.000543	1	07/11/2017 19:59	WG997255	
Toluene	U		0.000163	0.00500	0.00543	1	07/11/2017 19:59	WG997255	7
Ethylbenzene	U		0.000120	0.000500	0.000543	1	07/11/2017 19:59	WG997255	
Total Xylene	U		0.000500	0.00150	0.00163	1	07/11/2017 19:59	WG997255	8
TPH (GC/FID) Low Fraction	0.0330	<u>B J</u>	0.0236	0.100	0.109	1	07/11/2017 19:59	WG997255	Ŭ
(S) a,a,a-Trifluorotoluene(FID)	98.7				77.0-120		07/11/2017 19:59	WG997255	
(S) a,a,a-Trifluorotoluene(PID)	105				75.0-128		07/11/2017 19:59	WG997255	9

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	U		2.43	4.00	4.35	1	07/12/2017 13:27	WG997145
C20-C36 Hydrocarbons	5.40		0.740	4.00	4.35	1	07/12/2017 13:27	WG997145
(S) o-Terphenyl	80.2				18.0-148		07/12/2017 13:27	WG997145

SAMPLE RESULTS - 08 L921068

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Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	 Ср
Analyte	%			date / time		2
Total Solids	92.7		1	07/08/2017 15:46	<u>WG997022</u>	Тс

Wet Chemistry by Method 9056A

Wet Chemistry by I	Method 9056A								³ Ss
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		4 Cn
Chloride	188		0.858	10.0	10.8	1	07/11/2017 20:06	WG996938	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000129	0.000500	0.000539	1	07/11/2017 20:20	WG997255
Toluene	U		0.000162	0.00500	0.00539	1	07/11/2017 20:20	WG997255
Ethylbenzene	U		0.000119	0.000500	0.000539	1	07/11/2017 20:20	WG997255
Total Xylene	U		0.000496	0.00150	0.00162	1	07/11/2017 20:20	WG997255
TPH (GC/FID) Low Fraction	0.0313	ВJ	0.0234	0.100	0.108	1	07/11/2017 20:20	WG997255
(S) a,a,a-Trifluorotoluene(FID)	98.1				77.0-120		07/11/2017 20:20	WG997255
(S) a,a,a-Trifluorotoluene(PID)	100				75.0-128		07/11/2017 20:20	WG997255

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	U		2.42	4.00	4.32	1	07/12/2017 13:58	WG997145
C20-C36 Hydrocarbons	9.53		0.735	4.00	4.32	1	07/12/2017 13:58	WG997145
(S) o-Terphenyl	69.4				18.0-148		07/12/2017 13:58	WG997145

SAMPLE RESULTS - 09 L921068



Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	 Ср
Analyte	%			date / time		2
Total Solids	92.5		1	07/08/2017 15:46	WG997022	́Тс

Wet Chemistry by Method 9056A

Wet Chemistry by	Method 9056A								³ Ss
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		4 Cn
Chloride	1050		0.860	10.0	10.8	1	07/11/2017 20:15	WG996938	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000130	0.000500	0.000541	1	07/11/2017 20:40	WG997255
Toluene	U		0.000162	0.00500	0.00541	1	07/11/2017 20:40	WG997255
Ethylbenzene	U		0.000119	0.000500	0.000541	1	07/11/2017 20:40	WG997255
Total Xylene	U		0.000498	0.00150	0.00162	1	07/11/2017 20:40	WG997255
TPH (GC/FID) Low Fraction	0.0272	<u>B J</u>	0.0235	0.100	0.108	1	07/11/2017 20:40	WG997255
(S) a,a,a-Trifluorotoluene(FID)	97.0				77.0-120		07/11/2017 20:40	WG997255
(S) a,a,a-Trifluorotoluene(PID)	103				75.0-128		07/11/2017 20:40	WG997255

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	168		12.1	4.00	21.6	5	07/12/2017 15:14	WG997145
C20-C36 Hydrocarbons	359		3.68	4.00	21.6	5	07/12/2017 15:14	WG997145
(S) o-Terphenyl	109				18.0-148		07/12/2017 15:14	WG997145

Total Solids by Method 2540 G-2011

QUALITY CONTROL SUMMARY

Method Blank (MB)

Method Blain				
(MB) R3231858-1	07/08/17 15:46			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.000100			

L921074-01 Original Sample (OS) • Duplicate (DUP)

(OS) L921074-01 07/08/1	7 15:46 • (DUP) F	R3231858-3 C	DS) L921074-01 07/08/17 15:46 • (DUP) R3231858-3 07/08/17 15:46											
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits								
Analyte	%	%		%		%								
Total Solids	89.7	89.7	1	0.0237		5								

Laboratory Control Sample (LCS)

(LCS) R3231858-2 07	7/08/17 15:46				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

SDG: L921068 DATE/TIME: 07/12/17 17:51

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Wet Chemistry by Method 9056A

QUALITY CONTROL SUMMARY

Method Blank (MB)

(MB) R3232606-1 07/1	11/17 17:15			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	1.55	J	0.795	10.0

L920550-01 Original Sample (OS) • Duplicate (DUP)

(OS) L920550-01 07/11/17	7 18:00 • (DUP) R	3232606-4 (07/11/17 18:	09		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	28.6	36.4	1	24	<u>P1</u>	15

L921074-01 Original Sample (OS) • Duplicate (DUP)

(OS) L921074-01 07/11/17 2	20:25 • (DUP) R3	3232606-7 07/	/11/17 20:3	34			
	Original Result (dry)	DUP Result (dry)) Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits	
Analyte	mg/kg	mg/kg		%		%	
Chloride	364	329	1	10		15	ľ

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3232606-2 07/11/	17 17:24 • (LCSD) R3232606-3	07/11/17 17:33							
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Chloride	200	196	197	98	99	80-120			1	15

L920550-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L920550-02 07/11/17	L920550-02 07/11/17 18:18 • (MS) R3232606-5 07/11/17 18:27 • (MSD) R3232606-6 07/11/17 18:36											
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chloride	500	37.7	535	535	99	99	1	80-120			0	15

ACCOUNT:
Pike Energy Services - San Antonio, TX

DATE/TIME: 07/12/17 17:51 Sc

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Volatile Organic Compounds (GC) by Method 8015/8021

QUALITY CONTROL SUMMARY

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Method Blank (MB)

(MB) R3232421-4 07/11/17 1	4:36			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Benzene	U		0.000120	0.000500
Toluene	0.000342	J	0.000150	0.00500
Ethylbenzene	0.000117	J	0.000110	0.000500
Total Xylene	U		0.000460	0.00150
TPH (GC/FID) Low Fraction	0.0391	J	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	99.2			77.0-120
(S) a,a,a-Trifluorotoluene(PID)	105			75.0-128

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3232421-1 07/1	11/17 12:41 • (LCSD) I	R3232421-5 (07/11/17 15:39								
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	'
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%	L
Benzene	0.0500	0.0467	0.0499	93.5	99.9	71.0-121			6.62	20	8
Toluene	0.0500	0.0469	0.0493	93.7	98.6	72.0-120			5.06	20	
Ethylbenzene	0.0500	0.0499	0.0515	99.7	103	76.0-121			3.26	20	
Total Xylene	0.150	0.154	0.160	103	107	75.0-124			3.81	20	
(S) a,a,a-Trifluorotoluen	e(FID)			97.9	97.9	77.0-120					L
(S) a,a,a-Trifluorotoluen	e(PID)			103	97.5	75.0-128					

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3232421-2 07/11/	17 13:23 • (LCSD)) R3232421-3	07/11/17 13:44								
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%	
TPH (GC/FID) Low Fraction	5.50	4.77	4.60	86.7	83.6	70.0-136			3.56	20	
(S) a,a,a-Trifluorotoluene(Fi	ID)			105	102	77.0-120					
(S) a,a,a-Trifluorotoluene(P	ID)			113	113	75.0-128					

L921074-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L921074-08 07/11/17 23:27 • (MS) R3232421-6 07/11/17 16:14 • (MSD) R3232421-7 07/11/17 16:35												
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Benzene	0.0541	U	0.0347	0.0432	64.1	79.8	1	10.0-146			21.8	29
Toluene	0.0541	U	0.0330	0.0416	60.9	76.9	1	10.0-143			23.2	30
Ethylbenzene	0.0541	U	0.0324	0.0428	59.8	79.1	1	10.0-147			27.7	31
Total Xylene	0.162	U	0.0988	0.132	60.9	81.2	1	10.0-149	<u>J6</u>		28.6	30

ACCOUNT:	PROJECT:	SDG:	DATE/TIME:	PAGE:
Pike Energy Services - San Antonio, TX	BC-004	L921068	07/12/17 17:51	17 of 23

Volatile Organic Compounds (GC) by Method 8015/8021

QUALITY CONTROL SUMMARY L921068-01,02,03,04,05,06,07,08,09

RPD Limits

%

L921074-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L921074-08 07/11/17 2	3:27 • (MS) R3	232421-6 07/1	1/17 16:14 • (MSE	D) R3232421-7	07/11/17 16:35							
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	
(S) a,a,a-Trifluorotoluene(FID)					98.0	97.1		77.0-120				
(S) a,a,a-Trifluorotoluene(PID)					105	99.8		75.0-128				

L921074-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L921074-08 07/11/17	DS) L921074-08 07/11/17 23:27 • (MS) R3232421-8 07/11/17 16:56 • (MSD) R3232421-9 07/11/17 17:17											
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
TPH (GC/FID) Low Fraction	5.95	0.0237	3.63	0.854	60.6	13.9	1	10.0-147		<u>J3</u>	124	30
(S) a,a,a-Trifluorotoluene(FIL)				97.5	107		77.0-120				
(S) a,a,a-Trifluorotoluene(PIL)				110	104		75.0-128				

Semi-Volatile Organic Compounds (GC) by Method 8015M

QUALITY CONTROL SUMMARY L921068-01,02,03,04,05,06,07,08,09

Method Blank (MB)

Method Blank (Me)						
(MB) R3232777-1 07/12/17 10:58							
	MB Result	MB Qualifier	MB MDL	MB RDL			
Analyte	mg/kg		mg/kg	mg/kg			
C10 - C20 Hydrocarbons	U		2.24	4.00			
C20-C36 Hydrocarbons	U		0.681	4.00			
(S) o-Terphenyl	114			18.0-148			

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3232777-2 07/12	LCS) R3232777-2 07/12/17 11:14 • (LCSD) R3232777-3 07/12/17 11:29									
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
C10 - C20 Hydrocarbons	30.0	28.0	28.0	93.2	93.5	50.0-150			0.250	20
C20-C36 Hydrocarbons	30.0	30.7	29.9	102	99.7	50.0-150			2.62	20
(S) o-Terphenyl				119	114	18.0-148				

L921068-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L921068-01 07/12/17 11:44 • (MS) R3232777-4 07/12/17 11:59 • (MSD) R3232777-5 07/12/17 12:13									ç				
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits	
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%	
C10 - C20 Hydrocarbons	33.9	U	23.0	26.7	67.9	78.7	1	50.0-150			14.8	20	
C20-C36 Hydrocarbons	33.9	3.99	28.9	32.7	73.5	84.6	1	50.0-150			12.2	20	
(S) o-Terphenyl					78.2	85.4		18.0-148					

DATE/TIME: 07/12/17 17:51 Sr

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GLOSSARY OF TERMS

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SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
U	Not detected at the Sample Detection Limit.
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.
SDL	Sample Detection Limit.
SDL (dry)	Sample Detection Limit.
MQL (dry)	Method Quantitation Limit.
MQL	Method Quantitation Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.

Qualifier	Description
В	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.

ACCREDITATIONS & LOCATIONS

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.** * Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey-NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina ¹	DW21704
Florida	E87487	North Carolina ²	41
Georgia	NELAP	North Dakota	R-140
Georgia ¹	923	Ohio-VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
lowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky ¹	90010	South Dakota	n/a
Kentucky ²	16	Tennessee 14	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA-Crypto	TN00003		

¹ Drinking Water ². Underground Storage Tanks ³. Aquatic Toxicity ⁴. Chemical/Microbiological ⁵. Mold ^{n/a} Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



ompany Name/Address:			Billing Infor	mation:					A	nalysis / Cor	ntainer /	Preservative	1	-	Chain of Cus	stody	Page _ of _
Pike Energy Servic	es			-							1000				*	E	SC
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WS1-2			ZX		1445	C	X	X	X				-	100	-	-	-07
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SW1-2			2'		1500	2	X	X	Y							-	-96
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ESN1-2			2		1520	2	X	X	\times					741			-08
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	SCIENCES ceipt Form		
Client: PIREENGSATX	SDG#	1921	1068
Cooler Received/Opened On: 7/ 8/17	Temperature: 2,8		
Received By: Keith Hargis			
Signature:			
Receipt Check List	NP	Yes	No
COC Seal Present / Intact?		~	
COC Signed / Accurate?		1	12423
Bottles arrive intact?		/	
Correct bottles used?		1	L. WARE
Sufficient volume sent?		/	
If Applicable		- Server	
VOA Zero headspace?			
Preservation Correct / Checked?			12/25/74



ANALYTICAL REPORT July 12, 2017



Pike Energy Services - San Antonio, TX

Sample Delivery Group: Samples Received: Project Number: Description: Site:

Report To:

L921074 07/08/2017 BC-004 **BC-Angell #1 Remediation** ANGELL #1 Frank Engallina 321 Pike Rd. San Antonio, TX 78209

Entire Report Reviewed By: Chu, fort

Chris McCord Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

Mount Juliet. TN 37122 12065 Lebanon Rd 615-758-5858 800-767-5859 www.esclabsciences.com

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³ Ss
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SDG: L921074

SAMPLE SUMMARY

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			Collected by	Collected date/time	Received date/tim
F2-4 L921074-01 Solid			Frank Engallina	07/06/17 15:45	07/08/17 08:45
Nethod	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Fotal Solids by Method 2540 G-2011	WG997022	1	07/08/17 15:38	07/08/17 15:46	KDW
Net Chemistry by Method 9056A	WG996938	1	07/08/17 19:06	07/11/17 20:25	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG997255	1	07/08/17 14:30	07/11/17 21:01	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997145	1	07/12/17 00:00	07/12/17 17:30	KLM
	w6557115	,	0112111 00.00	0//12/1/ 17.50	NEW
F3-4 L921074-02 Solid			Collected by Frank Engallina	Collected date/time 07/06/17 15:50	Received date/tim 07/08/17 08:45
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Total Solids by Method 2540 G-2011	WG997023	1	07/08/17 15:48	07/08/17 15:55	KDW
Net Chemistry by Method 9056A	WG996938	5	07/08/17 19:06	07/11/17 20:43	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG997255	1	07/08/17 14:30	07/11/17 21:22	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997145	20	07/12/17 00:00	07/12/17 18:00	KLM
			Collected by Frank Engallina	Collected date/time 07/06/17 16:10	Received date/tim 07/08/17 08:45
F4-4 L921074-03 Solid				07/00/17 10:10	07/08/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG997023	1	07/08/17 15:48	07/08/17 15:55	KDW
Net Chemistry by Method 9056A	WG996938	5	07/08/17 19:06	07/11/17 21:10	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG997255	1	07/08/17 14:30	07/11/17 21:43	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997145	5	07/12/17 00:00	07/12/17 17:45	KLM
F5-4 L921074-04 Solid			Collected by Frank Engallina	Collected date/time 07/06/17 16:20	Received date/tim 07/08/17 08:45
Method	Batch	Dilution	Preparation	Analysis	Analyst
	Daten	Dilution	date/time	date/time	Analyst
Total Solids by Method 2540 G-2011	WG997023	1	07/08/17 15:48	07/08/17 15:55	KDW
Net Chemistry by Method 9056A	WG996938	5	07/08/17 19:06	07/11/17 21:19	SAM
		1	07/08/17 14:30		DWR
Volatile Organic Compounds (GC) by Method 8015/8021	WG997255			07/11/17 22:04	
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997145	1	07/12/17 00:00	07/12/17 17:00	KLM
F6-4 L921074-05 Solid			Collected by Frank Engallina	Collected date/time 07/06/17 16:30	Received date/tim 07/08/17 08:45
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
otal Solids by Method 2540 G-2011	WG997023	1	07/08/17 15:48	07/08/17 15:55	KDW
Vet Chemistry by Method 9056A	WG996938	1	07/08/17 19:06	07/11/17 21:28	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG997255	1	07/08/17 14:30	07/11/17 22:25	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997145	1	07/12/17 00:00	07/12/17 17:15	KLM
SE1-0 L921074-06 Solid			Collected by Frank Engallina	Collected date/time 07/06/17 16:40	Received date/tim 07/08/17 08:45
	Datch	Dilution	Droparation	Applycic	Analisat
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG997023	1	07/08/17 15:48	07/08/17 15:55	KDW
	WG996938	5	07/08/17 19:06	07/11/17 21:37	SAM
Net Chemistry by Method 9056A					
Net Chemistry by Method 9056A /olatile Organic Compounds (GC) by Method 8015/8021	WG997255	1	07/08/17 14:30	07/11/17 22:46	DWR

SAMPLE SUMMARY

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SE1-2 L921074-07 Solid			Collected by Frank Engallina	Collected date/time 07/06/17 16:45	Received date/time 07/08/17 08:45
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Total Solids by Method 2540 G-2011	WG997023	1	07/08/17 15:48	07/08/17 15:55	KDW
Wet Chemistry by Method 9056A	WG996938	1	07/08/17 19:06	07/11/17 21:46	SAM
/olatile Organic Compounds (GC) by Method 8015/8021	WG997255	1	07/08/17 14:30	07/11/17 23:07	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997145	1	07/12/17 00:00	07/12/17 16:16	KLM
ESS1-0 L921074-08 Solid			Collected by Frank Engallina	Collected date/time 07/06/17 16:55	Received date/time 07/08/17 08:45
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Total Solids by Method 2540 G-2011	WG997023	1	07/08/17 15:48	07/08/17 15:55	KDW
Wet Chemistry by Method 9056A	WG996938	1	07/08/17 19:06	07/11/17 21:55	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG997255	1	07/08/17 14:30	07/11/17 23:27	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997145	1	07/12/17 00:00	07/12/17 16:31	KLM
			Collected by	Collected date/time	Received date/time
ESS1-2 L921074-09 Solid			Frank Engallina	07/06/17 17:00	07/08/17 08:45
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Total Solids by Method 2540 G-2011	WG997023	1	07/08/17 15:48	07/08/17 15:55	KDW
Wet Chemistry by Method 9056A	WG996938	1	07/08/17 19:06	07/11/17 22:04	SAM

WG997255

WG997145

1

1

07/08/17 14:30

07/12/17 00:00

07/11/17 23:48

07/12/17 16:46

Volatile Organic Compounds (GC) by Method 8015/8021

Semi-Volatile Organic Compounds (GC) by Method 8015M

SDG: L921074

CASE NARRATIVE

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All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord Technical Service Representative

Project Narrative

TPH Low Fraction is C6 - C10.

SAMPLE RESULTS - 01 L921074

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Total	Solids	bv	Method	2540	G-2011
i otai	001103	~y	method	2010	0 2011

	Result	Qualifier	Dilution	Analysis	Batch	 Ср
Analyte	%			date / time		2
Total Solids	89.7		1	07/08/2017 15:46	WG997022	¯Тс

Wet Chemistry by Method 9056A

Wet Chemistry by Method 9056A									³ Ss
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		⁴ Cn
Chloride	364		0.887	10.0	11.2	1	07/11/2017 20:25	WG996938	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000134	0.000500	0.000558	1	07/11/2017 21:01	WG997255
Toluene	U		0.000167	0.00500	0.00558	1	07/11/2017 21:01	WG997255
Ethylbenzene	U		0.000123	0.000500	0.000558	1	07/11/2017 21:01	WG997255
Total Xylene	U		0.000513	0.00150	0.00167	1	07/11/2017 21:01	WG997255
TPH (GC/FID) Low Fraction	U		0.0242	0.100	0.112	1	07/11/2017 21:01	WG997255
(S) a,a,a-Trifluorotoluene(FID)	99.8				77.0-120		07/11/2017 21:01	WG997255
(S) a,a,a-Trifluorotoluene(PID)	104				75.0-128		07/11/2017 21:01	WG997255

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	21.3		2.50	4.00	4.46	1	07/12/2017 17:30	WG997145
C20-C36 Hydrocarbons	59.2		0.759	4.00	4.46	1	07/12/2017 17:30	WG997145
(S) o-Terphenyl	83.0				18.0-148		07/12/2017 17:30	WG997145

SAMPLE RESULTS - 02 L921074



Total Solids by Method 2540 G-2011

-						I Cp	
	Result	Qualifier	Dilution	Analysis	Batch		
Analyte	%			date / time		2	ī
Total Solids	93.1		1	07/08/2017 15:55	<u>WG997023</u>	Tc	

Wet Chemistry by Method 9056A

Wet Chemistry by Method 9056A									
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		4 Cn
Chloride	2830		4.27	10.0	53.7	5	07/11/2017 20:43	WG996938	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	0.000153	J	0.000129	0.000500	0.000537	1	07/11/2017 21:22	WG997255
Toluene	U		0.000161	0.00500	0.00537	1	07/11/2017 21:22	WG997255
Ethylbenzene	0.00152		0.000118	0.000500	0.000537	1	07/11/2017 21:22	WG997255
Total Xylene	0.00243	B	0.000494	0.00150	0.00161	1	07/11/2017 21:22	WG997255
TPH (GC/FID) Low Fraction	3.16		0.0233	0.100	0.107	1	07/11/2017 21:22	WG997255
(S) a,a,a-Trifluorotoluene(FID)	90.7				77.0-120		07/11/2017 21:22	WG997255
(S) a,a,a-Trifluorotoluene(PID)	92.7				75.0-128		07/11/2017 21:22	WG997255

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	3310		48.1	4.00	85.9	20	07/12/2017 18:00	WG997145
C20-C36 Hydrocarbons	3140		14.6	4.00	85.9	20	07/12/2017 18:00	WG997145
(S) o-Terphenyl	55.7	<u>J7</u>			18.0-148		07/12/2017 18:00	WG997145

SAMPLE RESULTS - 03 L921074

ONE LAB. NATIONWIDE.

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Тс

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	
Analyte	%			date / time		2
Total Solids	87.8		1	07/08/2017 15:55	<u>WG997023</u>	-

Wet Chemistry by Method 9056A

Wet Chemistry by Method 9056A									
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		4 Cn
Chloride	2670		4.53	10.0	57.0	5	07/11/2017 21:10	WG996938	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000137	0.000500	0.000570	1	07/11/2017 21:43	WG997255
Toluene	U		0.000171	0.00500	0.00570	1	07/11/2017 21:43	WG997255
Ethylbenzene	0.000289	ВJ	0.000125	0.000500	0.000570	1	07/11/2017 21:43	WG997255
Total Xylene	0.000625	<u>B J</u>	0.000524	0.00150	0.00171	1	07/11/2017 21:43	WG997255
TPH (GC/FID) Low Fraction	0.412	B	0.0247	0.100	0.114	1	07/11/2017 21:43	WG997255
(S) a,a,a-Trifluorotoluene(FID)	97.7				77.0-120		07/11/2017 21:43	WG997255
(S) a,a,a-Trifluorotoluene(PID)	99.1				75.0-128		07/11/2017 21:43	WG997255

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	502		12.8	4.00	22.8	5	07/12/2017 17:45	WG997145
C20-C36 Hydrocarbons	616		3.88	4.00	22.8	5	07/12/2017 17:45	WG997145
(S) o-Terphenyl	69.5				18.0-148		07/12/2017 17:45	WG997145

SAMPLE RESULTS - 04 L921074

ONE LAB. NATIONWIDE.

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Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	 Ср
Analyte	%			date / time		2
Total Solids	85.8		1	07/08/2017 15:55	WG997023	Tc

Wet Chemistry by Method 9056A

Wet Chemistry by Method 9056A									
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		4 Cn
Chloride	2570		4.63	10.0	58.3	5	07/11/2017 21:19	WG996938	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000140	0.000500	0.000583	1	07/11/2017 22:04	WG997255
Toluene	U		0.000175	0.00500	0.00583	1	07/11/2017 22:04	WG997255
Ethylbenzene	U		0.000128	0.000500	0.000583	1	07/11/2017 22:04	WG997255
Total Xylene	U		0.000536	0.00150	0.00175	1	07/11/2017 22:04	WG997255
TPH (GC/FID) Low Fraction	U		0.0253	0.100	0.117	1	07/11/2017 22:04	WG997255
(S) a,a,a-Trifluorotoluene(FID)	102				77.0-120		07/11/2017 22:04	WG997255
(S) a,a,a-Trifluorotoluene(PID)	104				75.0-128		07/11/2017 22:04	WG997255

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	6.91		2.61	4.00	4.66	1	07/12/2017 17:00	WG997145
C20-C36 Hydrocarbons	17.8		0.794	4.00	4.66	1	07/12/2017 17:00	WG997145
(S) o-Terphenyl	81.2				18.0-148		07/12/2017 17:00	WG997145

SAMPLE RESULTS - 05 L921074

336

Тс

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	
Analyte	%			date / time	—	2
Total Solids	92.8		1	07/08/2017 15:55	<u>WG997023</u>	2

Wet Chemistry by Method 9056A

Wet Chemistry by I	Method 9056A								³ Ss
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		- ⁴ Cn
Chloride	719		0.856	10.0	10.8	1	07/11/2017 21:28	WG996938	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000129	0.000500	0.000539	1	07/11/2017 22:25	WG997255
Toluene	U		0.000162	0.00500	0.00539	1	07/11/2017 22:25	WG997255
Ethylbenzene	U		0.000118	0.000500	0.000539	1	07/11/2017 22:25	WG997255
Total Xylene	U		0.000495	0.00150	0.00162	1	07/11/2017 22:25	WG997255
TPH (GC/FID) Low Fraction	U		0.0234	0.100	0.108	1	07/11/2017 22:25	WG997255
(S) a,a,a-Trifluorotoluene(FID)	102				77.0-120		07/11/2017 22:25	WG997255
(S) a,a,a-Trifluorotoluene(PID)	103				75.0-128		07/11/2017 22:25	WG997255

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	36.0		2.41	4.00	4.31	1	07/12/2017 17:15	WG997145
C20-C36 Hydrocarbons	102		0.733	4.00	4.31	1	07/12/2017 17:15	WG997145
(S) o-Terphenyl	85.4				18.0-148		07/12/2017 17:15	WG997145

SAMPLE RESULTS - 06 L921074

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Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	- Cp
Analyte	%			date / time		2
Total Solids	93.3		1	07/08/2017 15:55	<u>WG997023</u>	Tc

Wet Chemistry by Method 9056A

Wet Chemistry by N	lethod 9056A								³ Ss
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		4 Cn
Chloride	1510		4.26	10.0	53.6	5	07/11/2017 21:37	WG996938	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000129	0.000500	0.000536	1	07/11/2017 22:46	WG997255
Toluene	U		0.000161	0.00500	0.00536	1	07/11/2017 22:46	WG997255
Ethylbenzene	U		0.000118	0.000500	0.000536	1	07/11/2017 22:46	WG997255
Total Xylene	U		0.000493	0.00150	0.00161	1	07/11/2017 22:46	WG997255
TPH (GC/FID) Low Fraction	U		0.0232	0.100	0.107	1	07/11/2017 22:46	WG997255
(S) a,a,a-Trifluorotoluene(FID)	97.0				77.0-120		07/11/2017 22:46	WG997255
(S) a,a,a-Trifluorotoluene(PID)	104				75.0-128		07/11/2017 22:46	WG997255

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	U		2.40	4.00	4.29	1	07/12/2017 14:13	WG997145
C20-C36 Hydrocarbons	6.29		0.730	4.00	4.29	1	07/12/2017 14:13	WG997145
(S) o-Terphenyl	73.9				18.0-148		07/12/2017 14:13	WG997145

SAMPLE RESULTS - 07 L921074

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Total	Solids	hv	Method	2540	G-2011
TOtal	Solius	DУ	Method	2040	G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	93.9		1	07/08/2017 15:55	WG997023	² Tc

Wet Chemistry by Method 9056A

Wet Chemistry by I	Method 9056A								³ Ss
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		- ⁴ Cn
Chloride	700		0.847	10.0	10.7	1	07/11/2017 21:46	WG996938	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000128	0.000500	0.000533	1	07/11/2017 23:07	WG997255
Toluene	U		0.000160	0.00500	0.00533	1	07/11/2017 23:07	WG997255
Ethylbenzene	U		0.000117	0.000500	0.000533	1	07/11/2017 23:07	WG997255
Total Xylene	U		0.000490	0.00150	0.00160	1	07/11/2017 23:07	WG997255
TPH (GC/FID) Low Fraction	0.0266	<u>B J</u>	0.0231	0.100	0.107	1	07/11/2017 23:07	WG997255
(S) a,a,a-Trifluorotoluene(FID)	98.4				77.0-120		07/11/2017 23:07	WG997255
(S) a,a,a-Trifluorotoluene(PID)	104				75.0-128		07/11/2017 23:07	WG997255

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	U		2.39	4.00	4.26	1	07/12/2017 16:16	WG997145
C20-C36 Hydrocarbons	5.31		0.725	4.00	4.26	1	07/12/2017 16:16	WG997145
(S) o-Terphenyl	71.9				18.0-148		07/12/2017 16:16	WG997145

SAMPLE RESULTS - 08 L921074



Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	92.4		1	07/08/2017 15:55	<u>WG997023</u>	Tc

Wet Chemistry by Method 9056A

Wet Chemistry by M	lethod 9056A								³ Ss
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		- ⁴ Cn
Chloride	349		0.860	10.0	10.8	1	07/11/2017 21:55	WG996938	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000130	0.000500	0.000541	1	07/11/2017 23:27	WG997255
Toluene	U		0.000162	0.00500	0.00541	1	07/11/2017 23:27	WG997255
Ethylbenzene	U		0.000119	0.000500	0.000541	1	07/11/2017 23:27	WG997255
Total Xylene	U	<u>J6</u>	0.000498	0.00150	0.00162	1	07/11/2017 23:27	WG997255
TPH (GC/FID) Low Fraction	0.0237	<u>B J J3</u>	0.0235	0.100	0.108	1	07/11/2017 23:27	WG997255
(S) a,a,a-Trifluorotoluene(FID)	98.2				77.0-120		07/11/2017 23:27	WG997255
(S) a,a,a-Trifluorotoluene(PID)	104				75.0-128		07/11/2017 23:27	WG997255

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	U		2.42	4.00	4.33	1	07/12/2017 16:31	WG997145
C20-C36 Hydrocarbons	2.87	J	0.737	4.00	4.33	1	07/12/2017 16:31	WG997145
(S) o-Terphenyl	82.9				18.0-148		07/12/2017 16:31	WG997145

SAMPLE RESULTS - 09 Collected date/time: 07/06/17 17:00

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Total Solids by Method 2540 G-2011

	-							i 1
		Result	Qualifier	Dilution	Analysis	Batch		
Analyte		%			date / time			2
Total Solids		95.0		1	07/08/2017 15:55	WG997023		

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Wet Chemistry by Method 9056A

Wet Chemistry by	Method 9056A								³ Ss
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		- ⁴ Cn
Chloride	107		0.837	10.0	10.5	1	07/11/2017 22:04	WG996938	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000126	0.000500	0.000526	1	07/11/2017 23:48	WG997255
Toluene	U		0.000158	0.00500	0.00526	1	07/11/2017 23:48	WG997255
Ethylbenzene	U		0.000116	0.000500	0.000526	1	07/11/2017 23:48	WG997255
Total Xylene	U		0.000484	0.00150	0.00158	1	07/11/2017 23:48	WG997255
TPH (GC/FID) Low Fraction	U		0.0228	0.100	0.105	1	07/11/2017 23:48	WG997255
(S) a,a,a-Trifluorotoluene(FID)	101				77.0-120		07/11/2017 23:48	WG997255
(S) a,a,a-Trifluorotoluene(PID)	103				75.0-128		07/11/2017 23:48	WG997255

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	U		2.36	4.00	4.21	1	07/12/2017 16:46	WG997145
C20-C36 Hydrocarbons	3.80	J	0.717	4.00	4.21	1	07/12/2017 16:46	WG997145
(S) o-Terphenyl	74.6				18.0-148		07/12/2017 16:46	WG997145

Total Solids by Method 2540 G-2011

QUALITY CONTROL SUMMARY

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Method Blank (MB)

(MB) R3231858-1 07/08/17 15:46	
MB Result MB Qualifier MB MDL MB RDL	
Analyte % % %	
Total Solids 0.000100	

L921074-01 Original Sample (OS) • Duplicate (DUP)

(OS) L921074-01 07/08	/17 15:46 • (DUP)	R3231858-3 (07/08/17 15	46		
	Original Resul	t DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	89.7	89.7	1	0.0237		5

Laboratory Control Sample (LCS)

(LCS) R3231858-2 07/0	08/17 15:46				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

SDG: L921074 DATE/TIME: 07/12/17 18:55 PAGE: 15 of 23

Total Solids by Method 2540 G-2011

QUALITY CONTROL SUMMARY

Method Blank (MB)

(IVID)					1
7/08/17 15:55					
MB Result	MB Qualifier	MB MDL	MB RDL		2
%		%	%		T
0.000700					
					3
	7/08/17 15:55 MB Result %	7/08/17 15:55 MB Result <u>MB Qualifier</u> %	7/08/17 15:55 MB Result <u>MB Qualifier</u> MB MDL % %	7/08/17 15:55 MB Result <u>MB Qualifier</u> MB MDL MB RDL % % %	7/08/17 15:55 MB Result MB Qualifier MB MDL MB RDL % % %

L920558-01 Original Sample (OS) • Duplicate (DUP)

(OS) L920558-01 07/08/1	17 15:55 • (DUP)	R3231859-3	07/08/17 1	5:55		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	88.0	87.5	1	0.622		5

Laboratory Control Sample (LCS)

(LCS) R3231859-2 07	7/08/17 15:55				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

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Wet Chemistry by Method 9056A

QUALITY CONTROL SUMMARY

(MB) R3232606-1 07	7/11/17 17:15			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	1.55	J	0.795	10.0

L920550-01 Original Sample (OS) • Duplicate (DUP)

(OS) L920550-01 07/11/17	7 18:00 • (DUP) R	3232606-4 (07/11/17 18:	09		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	28.6	36.4	1	24	<u>P1</u>	15

L921074-01 Original Sample (OS) • Duplicate (DUP)

(OS) L921074-01 07/11/1	7 20:25 • (DUP) R	3232606-7 07	7/11/17 20:	34			
	Original Result (dry)	DUP Result (dry	y) Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits	L
Analyte	mg/kg	mg/kg		%		%	
Chloride	364	329	1	10		15	Ē

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3232606-2 07/11/	'17 17:24 • (LCSD) R3232606-3	3 07/11/17 17:33							
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Chloride	200	196	197	98	99	80-120			1	15

L920550-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L920550-02 07/11/17	' 18:18 • (MS) R3	232606-5 07/	'11/17 18:27 • (M	SD) R3232606	6-6 07/11/17 18:3	36						
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chloride	500	37.7	535	535	99	99	1	80-120			0	15

ACCOUNT:
Pike Energy Services - San Antonio, TX

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DATE/TIME: 07/12/17 18:55



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Volatile Organic Compounds (GC) by Method 8015/8021

QUALITY CONTROL SUMMARY

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Method Blank (MB)

(MB) R3232421-4 07/11/17	/ 14:36			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Benzene	U		0.000120	0.000500
Toluene	0.000342	J	0.000150	0.00500
Ethylbenzene	0.000117	J	0.000110	0.000500
Total Xylene	U		0.000460	0.00150
TPH (GC/FID) Low Fraction	0.0391	J	0.0217	0.100
(S) a,a,a-Trifluorotoluene(Fl	ID) 99.2			77.0-120
(S) a,a,a-Trifluorotoluene(Pi	ID) 105			75.0-128

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3232421-1 07	7/11/17 12:41 • (LCSD) I	23232421-5	07/11/17 15:39								
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%	
Benzene	0.0500	0.0467	0.0499	93.5	99.9	71.0-121			6.62	20	
Toluene	0.0500	0.0469	0.0493	93.7	98.6	72.0-120			5.06	20	
Ethylbenzene	0.0500	0.0499	0.0515	99.7	103	76.0-121			3.26	20	
Total Xylene	0.150	0.154	0.160	103	107	75.0-124			3.81	20	
(S) a,a,a-Trifluorotolu∈	ene(FID)			97.9	97.9	77.0-120					
(S) a,a,a-Trifluorotolue	ene(PID)			103	97.5	75.0-128					

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3232421-2 07/11/1	S) R3232421-2 07/11/17 13:23 • (LCSD) R3232421-3 07/11/17 13:44												
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits			
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%			
TPH (GC/FID) Low Fraction	5.50	4.77	4.60	86.7	83.6	70.0-136			3.56	20			
(S) a,a,a-Trifluorotoluene(Fl	ID)			105	102	77.0-120							
(S) a,a,a-Trifluorotoluene(Pi	ID)			113	113	75.0-128							

L921074-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L921074-08 07/11/1	5) L921074-08 07/11/17 23:27 • (MS) R3232421-6 07/11/17 16:14 • (MSD) R3232421-7 07/11/17 16:35													
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits		
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%		
Benzene	0.0541	U	0.0347	0.0432	64.1	79.8	1	10.0-146			21.8	29		
Toluene	0.0541	U	0.0330	0.0416	60.9	76.9	1	10.0-143			23.2	30		
Ethylbenzene	0.0541	U	0.0324	0.0428	59.8	79.1	1	10.0-147			27.7	31		
Total Xylene	0.162	U	0.0988	0.132	60.9	81.2	1	10.0-149	<u>J6</u>		28.6	30		

ACCOUNT:	PROJECT:	SDG:	DATE/TIME:	PAGE:
Pike Energy Services - San Antonio, TX	BC-004	L921074	07/12/17 18:55	18 of 23
Volatile Organic Compounds (GC) by Method 8015/8021

QUALITY CONTROL SUMMARY L921074-01,02,03,04,05,06,07,08,09

L921074-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

OS) L921074-08 07/11/17 2	/17 23:27 • (MS) R3232421-6 07/11/17 16:14 • (MSD) R3232421-7 07/11/17 16:35													
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits		
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%		
(S) a,a,a-Trifluorotoluene(FID)					98.0	97.1		77.0-120						
(S) a,a,a-Trifluorotoluene(PID)					105	99.8		75.0-128						

L921074-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L921074-08 07/11/17 23:27 • (MS) R3232421-8 07/11/17 16:56 • (MSD) R3232421-9 07/11/17 17:17												
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
TPH (GC/FID) Low Fraction	5.95	0.0237	3.63	0.854	60.6	13.9	1	10.0-147		<u>J3</u>	124	30
(S) a,a,a-Trifluorotoluene(FIL)				97.5	107		77.0-120				
(S) a,a,a-Trifluorotoluene(Pl	0)				110	104		75.0-128				

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DATE/TIME: 07/12/17 18:55 Semi-Volatile Organic Compounds (GC) by Method 8015M

QUALITY CONTROL SUMMARY

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Method Blank (MB)

Method Blank (Mi)									
(MB) R3232777-1 07/12/17 10:58										
	MB Result	MB Qualifier	MB MDL	MB RDL						
Analyte	mg/kg		mg/kg	mg/kg						
C10 - C20 Hydrocarbons	U		2.24	4.00						
C20-C36 Hydrocarbons	U		0.681	4.00						
(S) o-Terphenyl	114			18.0-148						

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3232777-2 07/12/17 11:14 • (LCSD) R3232777-3 07/12/17 11:29													
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits			
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%			
C10 - C20 Hydrocarbons	30.0	28.0	28.0	93.2	93.5	50.0-150			0.250	20			
C20-C36 Hydrocarbons	30.0	30.7	29.9	102	99.7	50.0-150			2.62	20			
(S) o-Terphenyl				119	114	18.0-148							

L921068-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L921068-01 07/12/17 11:44 • (MS) R3232777-4 07/12/17 11:59 • (MSD) R3232777-5 07/12/17 12:13													
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits	L
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%	
C10 - C20 Hydrocarbons	33.9	U	23.0	26.7	67.9	78.7	1	50.0-150			14.8	20	
C20-C36 Hydrocarbons	33.9	3.99	28.9	32.7	73.5	84.6	1	50.0-150			12.2	20	
(S) o-Terphenyl					78.2	85.4		18.0-148					

DATE/TIME: 07/12/17 18:55 PAGE: 20 of 23

GLOSSARY OF TERMS

*

Abbreviations	and	Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
U	Not detected at the Sample Detection Limit.
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.
SDL	Sample Detection Limit.
SDL (dry)	Sample Detection Limit.
MQL (dry)	Method Quantitation Limit.
MQL	Method Quantitation Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.

Qualifier	Description
В	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.

ACCREDITATIONS & LOCATIONS

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.** * Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey-NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina ¹	DW21704
Florida	E87487	North Carolina ²	41
Georgia	NELAP	North Dakota	R-140
Georgia ¹	923	Ohio-VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
lowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky ¹	90010	South Dakota	n/a
Kentucky ²	16	Tennessee 14	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA-Crypto	TN00003		

¹ Drinking Water ². Underground Storage Tanks ³. Aquatic Toxicity ⁴. Chemical/Microbiological ⁵. Mold ^{n/a} Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



			Billing Inform	mation:					Ar	alysis / Con	ntainer	/ Preservative		Chain of Custod	y Page of		
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Packed on Ice N Y //	1 20-52	1.000000	Death	Date	Time	of Cntrs	1 million	0	do					Shipped Via:			
Sample ID	Comp/Grab	Matrix *	Depth	Date	Thing	-		. 7	1				1	flernarks	Sample # (lab only)		
F2-4	GRAB	55	4'	7/6/2017	1545	2	X	\times	X	1	1/2				-01		
F3-4		1	4'		1550	2	×	X	X						. 02		
F4-4			4'		1610	2	x	X	×		1				- 03		
F5-4			4'		1620	2	x	X	X		-	10.00			1.11.11.11.11		
F6-4			4'		1630	2	X	X	X						-05		
SE1-0			0-4"		1640	2	X	X	X			1910			- 06		
SE1-2			2'		1645	2	x	×	X						- 07		
E551-0			6.4"		1655	2	x	X	X						- 09		
E551-2	<u> </u>	-	2'	8	1700	2	×	X	X						- 09		
WW - WasteWater DW - Drinking Water OT - OtherUPSFedExCo Relinquished by : (Signature) Date:		5 D0	y TAT	{					pH Flow		Temp	COC Si Bottle Correc	Sample Receipt al Present/Inta gned/Accurate: s arrive intact t bottles used: ient volume sen	: (A N N N N N N N N N N N N N N N N N N			
		urier	Tr	acking# 6	30	9	2	\$73	9	50	137		IE Applic	able			
		kei7	rime: R/	eceived by: (Sign	ature)	-			Trip Blank		ed: Yes / No HCL / MeoH TBR	Preser	vation Correct/	Checked: Y			
Relinquished by : (Signature)		Date:			eceived by: (Sign	ature)				Temp: 48	°(Bottles Received:	If prese	rvation required by	5 19 2 3 3		
Relinquished by : (Signature)		Date:		Time: R	eceived for lab b	y: Sign	ature)	1		Date:	11	7 0841S	Hold:		Condition: NCF / OK		



ANALYTICAL REPORT July 19, 2017



Pike Energy Services - San Antonio, TX

Sample Delivery Group: Samples Received: Project Number: Description: Site:

Report To:

L922977 07/18/2017 BC004 BC-Angell #1 Remediation ANGELL #1 Frank Engallina 321 Pike Rd. San Antonio, TX 78209

Entire Report Reviewed By: Chu, fort

Chris McCord Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

Mount Juliet. TN 37122 12065 Lebanon Rd 615-758-5858 800-767-5859 www.esclabsciences.com

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SDG: L922977 DATE/TIME: 07/19/17 16:57

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.

			Collected by	Collected date/time	Received date/tim
EN1-1 L922977-01 Solid			Frank Engallina	07/17/17 14:30	07/18/17 08:45
<i>I</i> lethod	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Total Solids by Method 2540 G-2011	WG1000190	1	07/18/17 16:10	07/18/17 16:25	MLW
Net Chemistry by Method 9056A	WG1000045	1	07/18/17 16:55	07/18/17 18:25	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG1000194	1	07/17/17 14:30	07/19/17 00:18	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1000213	1	07/19/17 00:06	07/19/17 11:14	ACM
EN2-1 L922977-02 Solid			Collected by Frank Engallina	Collected date/time 07/17/17 14:35	Received date/tim 07/18/17 08:45
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Total Solids by Method 2540 G-2011	WG1000190	1	07/18/17 16:10	07/18/17 16:25	MLW
Net Chemistry by Method 9056A	WG1000045	1	07/18/17 16:55	07/18/17 18:43	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG1000194	1	07/17/17 14:35	07/19/17 00:40	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1000213	1	07/19/17 00:06	07/19/17 11:57	ACM
			Collected by Frank Engallina	Collected date/time 07/17/17 14:40	Received date/tim 07/18/17 08:45
EN3-0 L922977-03 Solid			-		
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1000190	1	07/18/17 16:10	07/18/17 16:25	MLW
Net Chemistry by Method 9056A	WG1000045	1	07/18/17 16:55	07/18/17 19:10	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG1000194	1	07/17/17 14:40	07/19/17 01:02	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1000213	1	07/19/17 00:06	07/19/17 13:22	ACM
EC2-1 L922977-04 Solid			Collected by Frank Engallina	Collected date/time 07/17/17 14:45	Received date/tim 07/18/17 08:45
Method	Batch	Dilution	Preparation	Analysis	Analyst
includu -	baten	Dilution	date/time	date/time	Analyst
Fotal Solids by Method 2540 G-2011	WG1000190	1	07/18/17 16:10	07/18/17 16:25	MLW
Net Chemistry by Method 9056A	WG1000045	1	07/18/17 16:55	07/18/17 19:19	SAM
		1			
Volatile Organic Compounds (GC) by Method 8015/8021	WG1000194	1	07/17/17 14:45	07/19/17 01:24	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1000213	I	07/19/17 00:06	07/19/17 12:11	ACM
EC2-2 L922977-05 Solid			Collected by Frank Engallina	Collected date/time 07/17/17 14:50	Received date/tim 07/18/17 08:45
Method	Batch	Dilution	Preparation	Analysis	Analyst
neurou	Datch	Dilution	date/time	date/time	Analyst
otal Solids by Method 2540 G-2011	WG1000190	1	07/18/17 16:10	07/18/17 16:25	MLW
Vet Chemistry by Method 9056A	WG1000045	1	07/18/17 16:55	07/18/17 19:46	SAM
		1	07/18/17 16:55	07/18/17 19:46	LRL
/olatile Organic Compounds (GC) by Method 8015/8021	WG1000194				
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1000213	1	07/19/17 00:06	07/19/17 12:25	ACM
			Collected by Frank Engallina	Collected date/time 07/17/17 14:55	Received date/tim 07/18/17 08:45
ESN2-0 L922977-06 Solid					
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
	WG1000190	1	07/18/17 16:10	07/18/17 16:25	MLW
Fotal Solids by Method 2540 G-2011		1	07/18/17 16:55	07/18/17 19:55	SAM
Fotal Solids by Method 2540 G-2011 Net Chemistry by Method 9056A	WG1000045	1	07/10/17 10.55	01/10/11/10:00	0/ 11/1
-	WG1000045 WG1000194	1	07/17/17 14:55	07/19/17 02:09	LRL

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SAMPLE SUMMARY

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ESN2-2 L922977-07 Solid			Collected by Frank Engallina	Collected date/time 07/17/17 15:00	Received date/time 07/18/17 08:45
	Detel	Dilution	Duran anatian	Analusia	Arrahart
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
	WC1000100	1			N 41 \ \ 4/
Total Solids by Method 2540 G-2011	WG1000190	1	07/18/17 16:10	07/18/17 16:25	MLW
Wet Chemistry by Method 9056A	WG1000045	1	07/18/17 16:55	07/18/17 20:04	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG1000194	1	07/17/17 15:00	07/19/17 02:31	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1000213	1	07/19/17 00:06	07/19/17 12:40	ACM
			Collected by	Collected date/time	Received date/time
SE2-0 L922977-08 Solid			Frank Engallina	07/17/17 15:05	07/18/17 08:45
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Total Solids by Method 2540 G-2011	WG1000190	1	07/18/17 16:10	07/18/17 16:25	MLW
Wet Chemistry by Method 9056A	WG1000045	5	07/18/17 16:55	07/18/17 20:13	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG1000194	1	07/17/17 15:05	07/19/17 02:53	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1000213	1	07/19/17 00:06	07/19/17 12:54	ACM
			Collected by	Collected date/time	Received date/time
SE2-2 L922977-09 Solid			Frank Engallina	07/17/17 15:10	07/18/17 08:45
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Total Solids by Method 2540 G-2011	WG1000190	1	07/18/17 16:10	07/18/17 16:25	MLW
Net Chemistry by Method 9056A	WG1000045	5	07/18/17 16:55	07/18/17 20:22	SAM
/olatile Organic Compounds (GC) by Method 8015/8021	WG1000194	1	07/17/17 15:10	07/19/17 03:15	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1000213	1	07/19/17 00:06	07/19/17 13:08	ACM
			Collected by	Collected date/time	Received date/time
WS2-2 L922977-10 Solid			Frank Engallina	07/17/17 15:15	07/18/17 08:45
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Total Solids by Method 2540 G-2011	WG1000190	1	07/18/17 16:10	07/18/17 16:25	MLW
			07/18/17 16:55		

WG1000194

WG1000213

1

10

07/17/17 15:15

07/19/17 00:06

Volatile Organic Compounds (GC) by Method 8015/8021

Semi-Volatile Organic Compounds (GC) by Method $8015 \mathrm{M}$

SDG: L922977 07/19/17 03:37

07/19/17 13:51

LRL

ACM

CASE NARRATIVE

*

Тс

Ss

Cn

Sr

Qc

GI

AI

Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord Technical Service Representative

Project Narrative

TPH Low Fraction is C6 - C10.

SAMPLE RESULTS - 01 L922977

3

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	 Ср
Analyte	%			date / time		2
Total Solids	96.9		1	07/18/2017 16:25	WG1000190	² Tc

Wet Chemistry by Method 9056A

Wet Chemistry by Method 9056A									
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		4 Cn
Chloride	77.6		0.821	10.0	10.3	1	07/18/2017 18:25	WG1000045	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	0.000245	J	0.000124	0.000500	0.000516	1	07/19/2017 00:18	WG1000194
Toluene	0.000382	<u>B J</u>	0.000155	0.00500	0.00516	1	07/19/2017 00:18	WG1000194
Ethylbenzene	0.000167	<u>B J</u>	0.000114	0.000500	0.000516	1	07/19/2017 00:18	WG1000194
Total Xylene	U		0.000475	0.00150	0.00155	1	07/19/2017 00:18	WG1000194
TPH (GC/FID) Low Fraction	U		0.0224	0.100	0.103	1	07/19/2017 00:18	WG1000194
(S) a,a,a-Trifluorotoluene(FID)	90.0				77.0-120		07/19/2017 00:18	WG1000194
(S) a,a,a-Trifluorotoluene(PID)	98.0				75.0-128		07/19/2017 00:18	WG1000194

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	3.20	J	2.31	4.00	4.13	1	07/19/2017 11:14	WG1000213
C20-C36 Hydrocarbons	10.6		0.703	4.00	4.13	1	07/19/2017 11:14	WG1000213
(S) o-Terphenyl	94.0				18.0-148		07/19/2017 11:14	WG1000213

SAMPLE RESULTS - 02 L922977

ONE LAB. NATIONWIDE.

3

Тс

Total Solids by Method 2540 G-2011

	-						10
		Result	Qualifier	Dilution	Analysis	Batch	
Analyte		%			date / time		2
Total Solids		92.9		1	07/18/2017 16:25	WG1000190	12-

Wet Chemistry by Method 9056A

Wet Chemistry by M	Wet Chemistry by Method 9056A									
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		4 Cn	
Chloride	118		0.856	10.0	10.8	1	07/18/2017 18:43	WG1000045		

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	0.000383	J	0.000129	0.000500	0.000538	1	07/19/2017 00:40	WG1000194
Toluene	0.000484	<u>B J</u>	0.000161	0.00500	0.00538	1	07/19/2017 00:40	WG1000194
Ethylbenzene	0.000202	<u>B J</u>	0.000118	0.000500	0.000538	1	07/19/2017 00:40	WG1000194
Total Xylene	0.000500	<u>B J</u>	0.000495	0.00150	0.00161	1	07/19/2017 00:40	WG1000194
TPH (GC/FID) Low Fraction	U		0.0233	0.100	0.108	1	07/19/2017 00:40	WG1000194
(S) a,a,a-Trifluorotoluene(FID)	90.3				77.0-120		07/19/2017 00:40	WG1000194
(S) a,a,a-Trifluorotoluene(PID)	98.1				75.0-128		07/19/2017 00:40	WG1000194

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	U		2.41	4.00	4.30	1	07/19/2017 11:57	WG1000213
C20-C36 Hydrocarbons	7.52		0.733	4.00	4.30	1	07/19/2017 11:57	WG1000213
(S) o-Terphenyl	88.6				18.0-148		07/19/2017 11:57	WG1000213

SAMPLE RESULTS - 03 L922977



Тс

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	
Analyte	%			date / time		2
Total Solids	90.0		1	07/18/2017 16:25	WG1000190	-

Wet Chemistry by Method 9056A

Wet Chemistry by Method 9056A									
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		4 Cn
Chloride	160		0.883	10.0	11.1	1	07/18/2017 19:10	WG1000045	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000133	0.000500	0.000555	1	07/19/2017 01:02	WG1000194
Toluene	0.000359	<u>B J</u>	0.000167	0.00500	0.00555	1	07/19/2017 01:02	WG1000194
Ethylbenzene	0.000198	<u>B J</u>	0.000122	0.000500	0.000555	1	07/19/2017 01:02	WG1000194
Total Xylene	U		0.000511	0.00150	0.00167	1	07/19/2017 01:02	WG1000194
TPH (GC/FID) Low Fraction	U		0.0241	0.100	0.111	1	07/19/2017 01:02	WG1000194
(S) a,a,a-Trifluorotoluene(FID)	89.6				77.0-120		07/19/2017 01:02	WG1000194
(S) a,a,a-Trifluorotoluene(PID)	97.5				75.0-128		07/19/2017 01:02	WG1000194

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	6.34		2.49	4.00	4.44	1	07/19/2017 13:22	WG1000213
C20-C36 Hydrocarbons	20.3		0.756	4.00	4.44	1	07/19/2017 13:22	WG1000213
(S) o-Terphenyl	93.4				18.0-148		07/19/2017 13:22	WG1000213

SAMPLE RESULTS - 04 L922977

336

Тс

Total Solids by Method 2540 G-2011

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	Result	Qualifier	Dilution	Analysis	Batch	
Analyte	%			date / time		2
Total Solids	95.7		1	07/18/2017 16:25	WG1000190	1

Wet Chemistry by Method 9056A

Wet Chemistry by Method 9056A										
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		⁴ Cn	
Chloride	121		0.831	10.0	10.4	1	07/18/2017 19:19	WG1000045		

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	0.000313	J	0.000125	0.000500	0.000522	1	07/19/2017 01:24	WG1000194
Toluene	0.000330	<u>B J</u>	0.000157	0.00500	0.00522	1	07/19/2017 01:24	WG1000194
Ethylbenzene	U		0.000115	0.000500	0.000522	1	07/19/2017 01:24	WG1000194
Total Xylene	U		0.000480	0.00150	0.00157	1	07/19/2017 01:24	WG1000194
TPH (GC/FID) Low Fraction	U		0.0227	0.100	0.104	1	07/19/2017 01:24	WG1000194
(S) a,a,a-Trifluorotoluene(FID)	89.8				77.0-120		07/19/2017 01:24	WG1000194
(S) a,a,a-Trifluorotoluene(PID)	97.3				75.0-128		07/19/2017 01:24	WG1000194

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	U		2.34	4.00	4.18	1	07/19/2017 12:11	WG1000213
C20-C36 Hydrocarbons	7.17		0.711	4.00	4.18	1	07/19/2017 12:11	WG1000213
(S) o-Terphenyl	90.6				18.0-148		07/19/2017 12:11	WG1000213

SAMPLE RESULTS - 05 L922977

336

Тс

Total Solids by Method 2540 G-2011

-						10
	Result	Qualifier	Dilution	Analysis	Batch	
Analyte	%			date / time		2
Total Solids	93.6		1	07/18/2017 16:25	WG1000190	-

Wet Chemistry by Method 9056A

Wet Chemistry by Method 9056A									
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		^₄ Cn
Chloride	224		0.850	10.0	10.7	1	07/18/2017 19:46	WG1000045	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	0.000189	J	0.000128	0.000500	0.000534	1	07/19/2017 01:47	WG1000194
Toluene	0.000162	<u>B J</u>	0.000160	0.00500	0.00534	1	07/19/2017 01:47	WG1000194
Ethylbenzene	U		0.000118	0.000500	0.000534	1	07/19/2017 01:47	WG1000194
Total Xylene	U		0.000492	0.00150	0.00160	1	07/19/2017 01:47	WG1000194
TPH (GC/FID) Low Fraction	U		0.0232	0.100	0.107	1	07/19/2017 01:47	WG1000194
(S) a,a,a-Trifluorotoluene(FID)	90.7				77.0-120		07/19/2017 01:47	WG1000194
(S) a,a,a-Trifluorotoluene(PID)	98.5				75.0-128		07/19/2017 01:47	WG1000194

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	U		2.39	4.00	4.27	1	07/19/2017 12:25	WG1000213
C20-C36 Hydrocarbons	10.8		0.728	4.00	4.27	1	07/19/2017 12:25	WG1000213
(S) o-Terphenyl	80.7				18.0-148		07/19/2017 12:25	WG1000213

SAMPLE RESULTS - 06 L922977

336

Total Soli	ds by	Method	2540	G-2011
10101 001	us by	Method	2010	0 2011

	Result	Qualifier	Dilution	Analysis	Batch	 Ср
Analyte	%			date / time		2
Total Solids	92.6		1	07/18/2017 16:25	<u>WG1000190</u>	² Tc

Wet Chemistry by Method 9056A

Wet Chemistry by Method 9056A									
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		4 Cn
Chloride	272		0.859	10.0	10.8	1	07/18/2017 19:55	WG1000045	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	0.000268	J	0.000130	0.000500	0.000540	1	07/19/2017 02:09	WG1000194
Toluene	0.000466	<u>B J</u>	0.000162	0.00500	0.00540	1	07/19/2017 02:09	WG1000194
Ethylbenzene	0.000206	<u>B J</u>	0.000119	0.000500	0.000540	1	07/19/2017 02:09	WG1000194
Total Xylene	U		0.000497	0.00150	0.00162	1	07/19/2017 02:09	WG1000194
TPH (GC/FID) Low Fraction	U		0.0234	0.100	0.108	1	07/19/2017 02:09	WG1000194
(S) a,a,a-Trifluorotoluene(FID)	90.1				77.0-120		07/19/2017 02:09	WG1000194
(S) a,a,a-Trifluorotoluene(PID)	98.1				75.0-128		07/19/2017 02:09	WG1000194

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	10.7		2.42	4.00	4.32	1	07/19/2017 13:36	WG1000213
C20-C36 Hydrocarbons	35.5		0.736	4.00	4.32	1	07/19/2017 13:36	WG1000213
(S) o-Terphenyl	86.7				18.0-148		07/19/2017 13:36	WG1000213

SAMPLE RESULTS - 07 L922977

336

Тс

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	
Analyte	%			date / time		2
Total Solids	92.5		1	07/18/2017 16:25	WG1000190	ľ

Wet Chemistry by Method 9056A

Wet Chemistry by Method 9056A									
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		- ⁴ Cn
Chloride	113		0.860	10.0	10.8	1	07/18/2017 20:04	WG1000045	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	0.000463	J	0.000130	0.000500	0.000541	1	07/19/2017 02:31	WG1000194
Toluene	0.000366	<u>B J</u>	0.000162	0.00500	0.00541	1	07/19/2017 02:31	WG1000194
Ethylbenzene	0.000122	<u>B J</u>	0.000119	0.000500	0.000541	1	07/19/2017 02:31	WG1000194
Total Xylene	U		0.000497	0.00150	0.00162	1	07/19/2017 02:31	WG1000194
TPH (GC/FID) Low Fraction	U		0.0235	0.100	0.108	1	07/19/2017 02:31	WG1000194
(S) a,a,a-Trifluorotoluene(FID)	89.9				77.0-120		07/19/2017 02:31	WG1000194
(S) a,a,a-Trifluorotoluene(PID)	97.5				75.0-128		07/19/2017 02:31	WG1000194

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	U		2.42	4.00	4.33	1	07/19/2017 12:40	WG1000213
C20-C36 Hydrocarbons	9.77		0.736	4.00	4.33	1	07/19/2017 12:40	WG1000213
(S) o-Terphenyl	94.3				18.0-148		07/19/2017 12:40	WG1000213

SAMPLE RESULTS - 08 L922977

336

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Cp
Analyte	%			date / time		2
Total Solids	94.0		1	07/18/2017 16:25	<u>WG1000190</u>	² Tc

Wet Chemistry by Method 9056A

Wet Chemistry by Method 9056A									
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		4 Cn
Chloride	1250		4.23	10.0	53.2	5	07/18/2017 20:13	WG1000045	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	0.00105		0.000128	0.000500	0.000532	1	07/19/2017 02:53	WG1000194
Toluene	0.000769	<u>B J</u>	0.000159	0.00500	0.00532	1	07/19/2017 02:53	WG1000194
Ethylbenzene	0.000200	<u>B J</u>	0.000117	0.000500	0.000532	1	07/19/2017 02:53	WG1000194
Total Xylene	U		0.000489	0.00150	0.00159	1	07/19/2017 02:53	WG1000194
TPH (GC/FID) Low Fraction	0.0278	J	0.0231	0.100	0.106	1	07/19/2017 02:53	WG1000194
(S) a,a,a-Trifluorotoluene(FID)	89.2				77.0-120		07/19/2017 02:53	WG1000194
(S) a,a,a-Trifluorotoluene(PID)	96.5				75.0-128		07/19/2017 02:53	WG1000194

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	U		2.38	4.00	4.25	1	07/19/2017 12:54	WG1000213
C20-C36 Hydrocarbons	7.38		0.724	4.00	4.25	1	07/19/2017 12:54	WG1000213
(S) o-Terphenyl	80.8				18.0-148		07/19/2017 12:54	WG1000213

SAMPLE RESULTS - 09 L922977

336

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	94.6		1	07/18/2017 16:25	WG1000190	Tc

Wet Chemistry by Method 9056A

Wet Chemistry by I	Method 9056A								³ Ss
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		4 Cn
Chloride	1300		4.20	10.0	52.9	5	07/18/2017 20:22	WG1000045	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	0.000628		0.000127	0.000500	0.000529	1	07/19/2017 03:15	WG1000194
Toluene	0.000283	<u>B J</u>	0.000159	0.00500	0.00529	1	07/19/2017 03:15	WG1000194
Ethylbenzene	U		0.000116	0.000500	0.000529	1	07/19/2017 03:15	WG1000194
Total Xylene	U		0.000486	0.00150	0.00159	1	07/19/2017 03:15	WG1000194
TPH (GC/FID) Low Fraction	U		0.0229	0.100	0.106	1	07/19/2017 03:15	WG1000194
(S) a,a,a-Trifluorotoluene(FID)	90.6				77.0-120		07/19/2017 03:15	WG1000194
(S) a,a,a-Trifluorotoluene(PID)	97.7				75.0-128		07/19/2017 03:15	WG1000194

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	U		2.37	4.00	4.23	1	07/19/2017 13:08	WG1000213
C20-C36 Hydrocarbons	5.44		0.720	4.00	4.23	1	07/19/2017 13:08	WG1000213
(S) o-Terphenyl	83.3				18.0-148		07/19/2017 13:08	WG1000213

SAMPLE RESULTS - 10 L922977

336

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Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	
Analyte	%			date / time		2
Total Solids	96.1		1	07/18/2017 16:25	WG1000190	Ĺ

Wet Chemistry by Method 9056A

Wet Chemistry by N	lethod 9056A								³ Ss
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		4 Cp
Chloride	476		0.827	10.0	10.4	1	07/18/2017 20:31	WG1000045	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	0.000315	J	0.000125	0.000500	0.000520	1	07/19/2017 03:37	WG1000194
Toluene	0.000375	<u>B J</u>	0.000156	0.00500	0.00520	1	07/19/2017 03:37	WG1000194
Ethylbenzene	0.000151	<u>B J</u>	0.000114	0.000500	0.000520	1	07/19/2017 03:37	WG1000194
Total Xylene	U		0.000478	0.00150	0.00156	1	07/19/2017 03:37	WG1000194
TPH (GC/FID) Low Fraction	U		0.0226	0.100	0.104	1	07/19/2017 03:37	WG1000194
(S) a,a,a-Trifluorotoluene(FID)	90.0				77.0-120		07/19/2017 03:37	WG1000194
(S) a,a,a-Trifluorotoluene(PID)	98.4				75.0-128		07/19/2017 03:37	WG1000194

Semi-Volatile Organic Compounds (GC) by Method 8015M

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	U		23.3	4.00	41.6	10	07/19/2017 13:51	WG1000213
C20-C36 Hydrocarbons	440		7.08	4.00	41.6	10	07/19/2017 13:51	WG1000213
(S) o-Terphenyl	92.2				18.0-148		07/19/2017 13:51	WG1000213

Sample Narrative:

L922977-10 WG1000213: Dilution due to matrix impact during extract concentration procedure

WG1000190

Total Solids by Method 2540 G-2011

QUALITY CONTROL SUMMARY L922977-01.02.03.04.05.06.07.08.09.10

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Method Blank (MB)

Method Dialik					1 Cn
(MB) R3234309-1 (07/18/17 16:25				Ch
	MB Result	MB Qualifier	MB MDL	MB RDL	2
Analyte	%		%	%	Tc
Total Solids	0.000500				
					³ Ss

L922977-01 Original Sample (OS) • Duplicate (DUP)

(OS) L922977-01 07/18/1	7 16:25 • (DUP) R	3234309-3 (07/18/17 16:	25		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	96.9	97.0	1	0.0672		5

Laboratory Control Sample (LCS)

(LCS) R3234309-2 07/	7/18/17 16:25				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

SDG: L922977 DATE/TIME: 07/19/17 16:57 PAGE: 16 of 23

WG100045

Wet Chemistry by Method 9056A

QUALITY CONTROL SUMMARY

(MB) R3234307-1 07/	/18/17 17:40			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	U		0.795	10.0

L923009-05 Original Sample (OS) • Duplicate (DUP)

(OS) L923009-05 07/18/1	17 21:35 • (DUP)	R3234307-7	07/18/17 21	1:44		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	4650	4680	10	1		15

L922977-01 Original Sample (OS) • Duplicate (DUP)

(OS) L922977-01 07/18/17	7 18:25 • (DUP) R	3234307-4 07/18	8/17 18:3	34		
	Original Result (dry)	DUP Result (dry) Di	ilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	77.6	87.5 1		12		15

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3234307-2 07/18/	(LCS) R3234307-2 07/18/17 17:49 • (LCSD) R3234307-3 07/18/17 17:58													
	Spike Amount LCS Result LCSD Result LCS Rec. LCSD Rec. Rec. Limits LCS Qualifier LCSD Qualifier RPD RPD Limits													
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%				
Chloride	200	189	190	95	95	80-120			0	15				

L922977-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L922977-02 07/18/17	(OS) L922977-02 07/18/17 18:43 • (MS) R3234307-5 07/18/17 18:52 • (MSD) R3234307-6 07/18/17 19:01													
Spike Amount Original Result MS Result (dry) MSD Result MS Rec. MSD Rec. Dilution Rec. Limits <u>MS Qualifier</u> MSD Qualifier RPD RPD Limits (dry) (dry)														
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%		
Chloride	538	118	640	621	97	94	1	80-120			3	15		

ACCOUNT:	PROJECT:	SDG:	DATE/TIME:	PAGE:
Pike Energy Services - San Antonio, TX	BC004	L922977	07/19/17 16:57	17 of 23

ONE LAB. NATIONWIDE.

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Volatile Organic Compounds (GC) by Method 8015/8021

QUALITY CONTROL SUMMARY 1922977-01,02,03,04,05,06,07,08,09,10

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Method Blank (MB)

(MB) R3234335-5 07/18/	B) R3234335-5 07/18/17 23:11									
	MB Result	MB Qualifier	MB MDL	MB RDL						
Analyte	mg/kg		mg/kg	mg/kg						
Benzene	U		0.000120	0.000500						
Toluene	0.000473	J	0.000150	0.00500						
Ethylbenzene	0.000250	J	0.000110	0.000500						
Total Xylene	U		0.000460	0.00150						
TPH (GC/FID) Low Fraction	U		0.0217	0.100						
(S) a,a,a-Trifluorotoluene(Fl	D) 93.3			77.0-120						
(S) a,a,a-Trifluorotoluene(Pl	D) 103			75.0-128						

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%	
Benzene	0.0500	0.0489	0.0461	97.7	92.1	71.0-121			5.86	20	
Toluene	0.0500	0.0497	0.0457	99.3	91.5	72.0-120			8.19	20	
Ethylbenzene	0.0500	0.0485	0.0454	97.1	90.8	76.0-121			6.65	20	
Fotal Xylene	0.150	0.142	0.132	94.8	87.7	75.0-124			7.74	20	
(S) a,a,a-Trifluorotoluene(F	ID)			94.1	95.4	77.0-120					
(S) a,a,a-Trifluorotoluene(F	ND)			101	103	75.0-128					

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3234335-3 07/18/17 22:05 • (LCSD) R3234335-4 07/18/17 22:27												
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits		
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%		
TPH (GC/FID) Low Fraction	5.50	5.97	5.96	109	108	70.0-136			0.0800	20		
(S) a,a,a-Trifluorotoluene(F	ID)			107	108	77.0-120						
(S) a,a,a-Trifluorotoluene(P	ND)			118	118	75.0-128						

L922881-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L922881-01 07/19/17 06:56 • (MS) R3234335-6 07/19/17 07:19 • (MSD) R3234335-7 07/19/17 07:41													
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits	
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%	
Benzene	0.0500	ND	0.00544	0.0124	10.0	23.9	1	10.0-146		<u>J3</u>	77.9	29	
Toluene	0.0500	ND	0.00455	0.0133	8.12	25.7	1	10.0-143	<u>J6</u>	<u>J3</u>	98.2	30	
Ethylbenzene	0.0500	ND	0.00333	0.0137	6.36	27.1	1	10.0-147	<u>J6</u>	<u>J3</u>	122	31	
Total Xylene	0.150	ND	0.00861	0.0364	5.74	24.3	1	10.0-149	<u>J6</u>	<u>J3 J6</u>	123	30	
(S) a,a,a-Trifluorotoluene(F	ID)				87.6	87.7		77.0-120					
Pike Energy S		PROJECT: BC004			SDG: L922977			DATE 07/19/1			PAGE : 18 of 23		

WG1000194

Volatile Organic Compounds (GC) by Method 8015/8021

QUALITY CONTROL SUMMARY

L922881-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L922881-01 07/19/17 06:56 • (MS) R3234335-6 07/19/17 07:19 • (MSD) R3234335-7 07/19/17 07:41													
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits	
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%	
(S) a,a,a-Trifluorotoluene(PID) 94.9 94.7 75.0-128													

L922881-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L922881-01 07/19/17	(OS) L922881-01 07/19/17 06:56 • (MS) R3234335-8 07/19/17 08:03 • (MSD) R3234335-9 07/19/17 08:25													
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits		
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%		
TPH (GC/FID) Low Fraction	5.50	ND	0.246	0.152	3.97	2.27	1	10.0-147	<u>J6</u>	<u>13 16</u>	47.1	30		
(S) a,a,a-Trifluorotoluene(FID))				89.8	80.3		77.0-120						
(S) a,a,a-Trifluorotoluene(PID))				96.8	87.2		75.0-128						

DATE/TIME: 07/19/17 16:57

Semi-Volatile Organic Compounds (GC) by Method 8015M

QUALITY CONTROL SUMMARY L922977-01.02.03.04.05.06.07.08.09.10

Method Blank (MB)

(MB) R3234461-1 07/19/1	(MB) R3234461-1 07/19/17 10:32												
	MB Result	MB Qualifier	MB MDL	MB RDL									
Analyte	mg/kg		mg/kg	mg/kg									
C10 - C20 Hydrocarbons	U		2.24	4.00									
C20-C36 Hydrocarbons	U		0.681	4.00									
(S) o-Terphenyl	91.7			18.0-148									

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3234461-2 07/19/17 10:46 • (LCSD) R3234461-3 07/19/17 11:00													
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits			
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%			
C10 - C20 Hydrocarbons	30.0	21.6	22.5	71.8	75.1	50.0-150			4.45	20			
C20-C36 Hydrocarbons	30.0	24.5	24.8	81.7	82.7	50.0-150			1.18	20			
(S) o-Terphenyl				84.4	85.2	18.0-148							

L922977-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L922977-01 07/19/17	L922977-01 07/19/17 11:14 • (MS) R3234461-4 07/19/17 11:29 • (MSD) R3234461-5 07/19/17 11:43									Ş			
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits	
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%	
C10 - C20 Hydrocarbons	31.0	3.20	23.4	23.6	65.3	66.0	1	50.0-150			0.900	20	
C20-C36 Hydrocarbons	31.0	10.6	35.8	35.3	81.7	80.0	1	50.0-150			1.43	20	
(S) o-Terphenyl					77.2	77.2		18.0-148					

DATE/TIME: 07/19/17 16:57 Cn

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GLOSSARY OF TERMS

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SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
U	Not detected at the Sample Detection Limit.
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.
SDL	Sample Detection Limit.
SDL (dry)	Sample Detection Limit.
MQL (dry)	Method Quantitation Limit.
MQL	Method Quantitation Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.

Qualifier	Description
В	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

ACCREDITATIONS & LOCATIONS

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.** * Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey-NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina ¹	DW21704
Florida	E87487	North Carolina ²	41
Georgia	NELAP	North Dakota	R-140
Georgia ¹	923	Ohio-VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
lowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky ¹	90010	South Dakota	n/a
Kentucky ²	16	Tennessee 14	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA-Crypto	TN00003		

¹ Drinking Water ². Underground Storage Tanks ³. Aquatic Toxicity ⁴. Chemical/Microbiological ⁵. Mold ^{n/a} Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



			Billing Inform	nation:				120	An	alysis / Contair	er / Preservative	(inclusion)	Chain of Custody	Page of
ke Energy Services - San Antonio, TX Pike Rd. Antonio, TX 78209		Same	me									E	SC	
Fort to: Email To: ank Engallina pikeenergyservices			gyservices@g	vices@gmail.com								12065 Lebanon Rd Mount Juliet, TN 371 Phone: 615-758-5858	6.1.1.1	
	10-	w.to.		City/State				8015	N	Contraction of the second			Phone: 800-767-5855 Fax: 615-758-5859	
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ecked of Ice N Y	Three	1	Tan	-	Time	of Cntrs	H	Ň	27				Shipped Via:	
Sample ID	Comp/Grab	Matrix *	Depth	Date	A CONTRACT		0	17	2				Remarks	Sample # (lab only)
EN1-1	GRAB	55	11	7/17/2017	1430	2	X	X	S					01
ENZ-1			1	1	1435	L	X	X	N	-	0.000	-		87
EN3-0			0-4"		1440	1	X	12	X				201 200	84
EC2-1	++-				1445	0	R	B	N	10000		1000		07
ECZ-2		13	2'		1450	1	2	E	N	0.00	1000	The second	-	07
ESNZ-0			0-4"		1455	0	S	N	S				-	07
ESN2-2		++	2'		1500	10	X	E	5	0.00				R
SEL-O		++	0-4"		1505	2	0	R	5					69
SE2-2	11	1	2'	Y	1510	1	X	5	5	100			11.24.00	P
Matrix: ss-Soil AIR - Air F - Filter GW - Groundwater B - Bioassay ww - WasteWater	Remarks:	τ- τ]	Ny K	LUSH !	1515	10	1.00	110	~	pH	Temp Other	COC Se COC Si Bottle Correct	Sample Receipt CH al Present/Intact gmed/Accurate: a arrive intact: t bottles umed: ient volume sent:	ecklist
DW - Drinking Water OT - Other Relingdishadby: (Signisore)	Samples rel	FedEx C			racking #65 eceived by: (Signi	73 sture)	35	,22	.2	6S77 Trip Blank Rec	eived: Yes No	Freser	If Applicab ro Headspace: vation Correct/Che	
1 All	-AD	1	7/2017	1700 R	eceived by: (Sign	ature	1	-		Temp:	HCE/ Meol TBR °C Bottles Received	1	rvation required by Lo	gin: Date/Time
Reinquished by : (Signature)		Date:		inter in	Contra of the Bri					1,5	20			
Relinquished by : (Signature)	1	Date:	1	Time:	repeived for Jab b	y: (Signa	aturek	5		Date:	Time: 7 084	Hold:		Condition: NCF / 0



ANALYTICAL REPORT



Pike Energy Services - San Antonio, TX

Sample Delivery Group: Samples Received: Project Number: Description: Site:

Report To:

L924777 07/26/2017 BC-004 BC-Angell #1 Remediation ANGELL #1 Frank Engallina 321 Pike Rd. San Antonio, TX 78209

Entire Report Reviewed By:

Jason Romer Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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¹ Cp	
² Tc	
³ Ss	
⁴ Cn	
⁵ Sr	
⁶ Qc	
⁷ Gl	
⁸ Al	
⁹ Sc	

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SDG: L924777

SAMPLE SUMMARY

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	SAMPLE SU	ONE LAB. NATIONWIE			
SC1-0 L924777-01 Solid			Collected by Frank Engallina	Collected date/time 07/25/17 11:30	Received date/time 07/26/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1002769	1	07/26/17 12:38	07/26/17 12:49	KDW
Wet Chemistry by Method 9056A	WG1002785	1	07/26/17 09:20	07/26/17 15:01	DR
Volatile Organic Compounds (GC) by Method 8015/8021	WG1003035	1	07/25/17 11:30	07/27/17 01:48	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1002932	1	07/26/17 20:11	07/27/17 12:58	DMG
SC1-2 L924777-02 Solid			Collected by Frank Engallina	Collected date/time 07/25/17 11:35	Received date/time 07/26/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1002769	1	07/26/17 12:38	07/26/17 12:49	KDW
Wet Chemistry by Method 9056A	WG1002785	1	07/26/17 09:20	07/26/17 15:10	DR
Volatile Organic Compounds (GC) by Method 8015/8021	WG1003035	1	07/25/17 11:35	07/27/17 02:10	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1002932	1	07/26/17 20:11	07/27/17 15:38	KLM
SE3-0 L924777-03 Solid			Collected by Frank Engallina	Collected date/time 07/25/17 11:45	Received date/time 07/26/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1002769	1	07/26/17 12:38	07/26/17 12:49	KDW
Wet Chemistry by Method 9056A	WG1002785	1	07/26/17 09:20	07/26/17 15:19	DR
Volatile Organic Compounds (GC) by Method 8015/8021	WG1003035	1	07/25/17 11:45	07/27/17 02:32	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1002932	1	07/26/17 20:11	07/27/17 15:56	KLM
SE3-2 L924777-04 Solid			Collected by Frank Engallina	Collected date/time 07/25/17 11:50	Received date/time 07/26/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1002769	1	07/26/17 12:38	07/26/17 12:49	KDW
Wet Chemistry by Method 9056A	WG1002785	1	07/26/17 09:20	07/26/17 15:28	DR
Volatile Organic Compounds (GC) by Method 8015/8021	WG1003035	1	07/25/17 11:50	07/27/17 02:54	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1002932	1	07/26/17 20:11	07/27/17 16:14	KLM
ESS2-0 L924777-05 Solid			Collected by Frank Engallina	Collected date/time 07/25/17 12:00	Received date/time 07/26/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1002769	1	07/26/17 12:38	07/26/17 12:49	KDW
Net Chemistry by Method 9056A	WG1002785	1	07/26/17 09:20	07/26/17 15:37	DR
Volatile Organic Compounds (GC) by Method 8015/8021	WG1003035	1	07/25/17 12:00	07/27/17 03:17	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1002932	1	07/26/17 20:11	07/27/17 16:32	KLM
ESS2-2 L924777-06 Solid			Collected by Frank Engallina	Collected date/time 07/25/17 12:05	Received date/time 07/26/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1002769	1	07/26/17 12:38	07/26/17 12:49	KDW
Wet Chemistry by Method 9056A	WG1002785	1	07/26/17 09:20	07/26/17 15:46	DR
Volatile Organic Compounds (GC) by Method 8015/8021	WG1003035	1	07/25/17 12:05	07/27/17 03:39	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1002932	1	07/26/17 20:11	07/27/17 16:49	KLM
			SDC:	DATE/TIME.	

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.

WS3-2 L924777-07 Solid			Collected by Frank Engallina	Collected date/time 07/25/17 12:15	Received date/time 07/26/17 08:45
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Total Solids by Method 2540 G-2011	WG1002771	1	07/26/17 13:51	07/26/17 14:05	KDW
Wet Chemistry by Method 9056A	WG1002785	1	07/26/17 09:20	07/26/17 15:55	DR
Volatile Organic Compounds (GC) by Method 8015/8021	WG1003035	1	07/25/17 12:15	07/27/17 04:01	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1002932	1	07/26/17 20:11	07/27/17 16:45	DMG

² Tc
³Ss
⁴ Cn
⁵ Sr
⁶ Qc
⁷ Gl
⁸ Al
°Sc

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CASE NARRATIVE

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All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jason Romer Technical Service Representative

¹ Cp
² Tc
³ Ss
⁴Cn
⁵ Sr
⁶ Qc
⁷ Gl
⁸ Al
⁹ Sc

SAMPLE RESULTS - 01 L924777

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Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch		Ср
Analyte	%			date / time		ſ	2
Total Solids	98.4		1	07/26/2017 12:49	WG1002769		² Tc

Wet Chemistry by Method 9056A

Wet Chemistry by N	Method 9056A								³ Ss
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		4 Cn
Chloride	72.4		0.808	10.0	10.2	1	07/26/2017 15:01	WG1002785	- Cn

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000122	0.000500	0.000508	1	07/27/2017 01:48	WG1003035
Toluene	U		0.000152	0.00500	0.00508	1	07/27/2017 01:48	WG1003035
Ethylbenzene	U		0.000112	0.000500	0.000508	1	07/27/2017 01:48	WG1003035
Total Xylene	U		0.000467	0.00150	0.00152	1	07/27/2017 01:48	WG1003035
TPH (GC/FID) Low Fraction	U		0.0220	0.100	0.102	1	07/27/2017 01:48	WG1003035
(S) a,a,a-Trifluorotoluene(FID)	92.4				77.0-120		07/27/2017 01:48	WG1003035
(S) a,a,a-Trifluorotoluene(PID)	101				75.0-128		07/27/2017 01:48	WG1003035

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	1.87	J	1.64	4.00	4.06	1	07/27/2017 12:58	WG1002932
C28-C40 Oil Range	4.73		0.278	4.00	4.06	1	07/27/2017 12:58	WG1002932
(S) o-Terphenyl	99.4				18.0-148		07/27/2017 12:58	WG1002932

SAMPLE RESULTS - 02 L924777

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Тс

Total Solids by Method 2540 G-2011

	-						10
		Result	Qualifier	Dilution	Analysis	Batch	
Analyte		%			date / time		2
Total Solids		96.1		1	07/26/2017 12:49	WG1002769	

Wet Chemistry by Method 9056A

Wet Chemistry by	Method 9056A								³ Ss
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		4 Cn
Chloride	521		0.827	10.0	10.4	1	07/26/2017 15:10	WG1002785	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		
Benzene	U		0.000125	0.000500	0.000520	1	07/27/2017 02:10	WG1003035	
Toluene	U		0.000156	0.00500	0.00520	1	07/27/2017 02:10	WG1003035	
Ethylbenzene	U		0.000114	0.000500	0.000520	1	07/27/2017 02:10	WG1003035	
Total Xylene	U		0.000479	0.00150	0.00156	1	07/27/2017 02:10	WG1003035	
TPH (GC/FID) Low Fraction	U		0.0226	0.100	0.104	1	07/27/2017 02:10	WG1003035	
(S) a,a,a-Trifluorotoluene(FID)	91.9				77.0-120		07/27/2017 02:10	WG1003035	
(S) a,a,a-Trifluorotoluene(PID)	100				75.0-128		07/27/2017 02:10	WG1003035	

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	3.79	J	1.67	4.00	4.16	1	07/27/2017 15:38	WG1002932
C28-C40 Oil Range	10.8		0.285	4.00	4.16	1	07/27/2017 15:38	WG1002932
(S) o-Terphenyl	62.8				18.0-148		07/27/2017 15:38	WG1002932

SAMPLE RESULTS - 03 L924777



Τс

Total Solids by Method 2540 G-2011

						10
	Result	Qualifier	Dilution	Analysis	Batch	
Analyte	%			date / time		2
Total Solids	96.4		1	07/26/2017 12:49	WG1002769	12-

Wet Chemistry by Method 9056A

Wet Chemistry by Method 9056A									³ Ss
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		4 Cn
Chloride	173		0.825	10.0	10.4	1	07/26/2017 15:19	WG1002785	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000125	0.000500	0.000519	1	07/27/2017 02:32	WG1003035
Toluene	U		0.000156	0.00500	0.00519	1	07/27/2017 02:32	WG1003035
Ethylbenzene	U		0.000114	0.000500	0.000519	1	07/27/2017 02:32	WG1003035
Total Xylene	U		0.000477	0.00150	0.00156	1	07/27/2017 02:32	WG1003035
TPH (GC/FID) Low Fraction	U		0.0225	0.100	0.104	1	07/27/2017 02:32	WG1003035
(S) a,a,a-Trifluorotoluene(FID)	92.6				77.0-120		07/27/2017 02:32	WG1003035
(S) a,a,a-Trifluorotoluene(PID)	101				75.0-128		07/27/2017 02:32	WG1003035

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	3.95	J	1.67	4.00	4.15	1	07/27/2017 15:56	WG1002932
C28-C40 Oil Range	6.22		0.284	4.00	4.15	1	07/27/2017 15:56	WG1002932
(S) o-Terphenyl	102				18.0-148		07/27/2017 15:56	WG1002932
SAMPLE RESULTS - 04 L924777



Тс

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	
Analyte	%			date / time		2
Total Solids	97.5		1	07/26/2017 12:49	WG1002769	

Wet Chemistry by Method 9056A

Wet Chemistry by	Method 9056A								³ Ss
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		4 Cp
Chloride	176		0.815	10.0	10.3	1	07/26/2017 15:28	WG1002785	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000123	0.000500	0.000513	1	07/27/2017 02:54	WG1003035
Toluene	U		0.000154	0.00500	0.00513	1	07/27/2017 02:54	WG1003035
Ethylbenzene	U		0.000113	0.000500	0.000513	1	07/27/2017 02:54	WG1003035
Total Xylene	U		0.000472	0.00150	0.00154	1	07/27/2017 02:54	WG1003035
TPH (GC/FID) Low Fraction	U		0.0223	0.100	0.103	1	07/27/2017 02:54	WG1003035
(S) a,a,a-Trifluorotoluene(FID)	92.3				77.0-120		07/27/2017 02:54	WG1003035
(S) a,a,a-Trifluorotoluene(PID)	100				75.0-128		07/27/2017 02:54	WG1003035

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	2.02	J	1.65	4.00	4.10	1	07/27/2017 16:14	WG1002932
C28-C40 Oil Range	6.81		0.281	4.00	4.10	1	07/27/2017 16:14	WG1002932
(S) o-Terphenyl	105				18.0-148		07/27/2017 16:14	WG1002932

Collected date/time: 07/25/17 12:00

SAMPLE RESULTS - 05 L924777



Тс

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	
Analyte	%			date / time		2
Total Solids	93.5		1	07/26/2017 12:49	WG1002769	-

Wet Chemistry by Method 9056A

Wet Chemistry by I	Method 9056A								³ Ss
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		4 Cn
Chloride	121		0.851	10.0	10.7	1	07/26/2017 15:37	WG1002785	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000128	0.000500	0.000535	1	07/27/2017 03:17	WG1003035
Toluene	U		0.000161	0.00500	0.00535	1	07/27/2017 03:17	WG1003035
Ethylbenzene	U		0.000118	0.000500	0.000535	1	07/27/2017 03:17	WG1003035
Total Xylene	U		0.000492	0.00150	0.00161	1	07/27/2017 03:17	WG1003035
TPH (GC/FID) Low Fraction	U		0.0232	0.100	0.107	1	07/27/2017 03:17	WG1003035
(S) a,a,a-Trifluorotoluene(FID)	92.8				77.0-120		07/27/2017 03:17	WG1003035
(S) a,a,a-Trifluorotoluene(PID)	101				75.0-128		07/27/2017 03:17	WG1003035

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	1.81	J	1.72	4.00	4.28	1	07/27/2017 16:32	WG1002932
C28-C40 Oil Range	2.92	J	0.293	4.00	4.28	1	07/27/2017 16:32	WG1002932
(S) o-Terphenyl	118				18.0-148		07/27/2017 16:32	WG1002932

Collected date/time: 07/25/17 12:05

SAMPLE RESULTS - 06 L924777

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Total	Solids	bv	Method	2540	G-2011
rotui	J 01103	Юy	Method	2010	0 2011

	Result	Qualifier	Dilution	Analysis	Batch	 Ср
Analyte	%			date / time		2
Total Solids	97.5		1	07/26/2017 12:49	WG1002769	Tc

Wet Chemistry by Method 9056A

Wet Chemistry by	y Method 9056A								³ Ss
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		4 Cp
Chloride	115		0.816	10.0	10.3	1	07/26/2017 15:46	WG1002785	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		
Benzene	U		0.000123	0.000500	0.000513	1	07/27/2017 03:39	WG1003035	
Toluene	U		0.000154	0.00500	0.00513	1	07/27/2017 03:39	WG1003035	
Ethylbenzene	U		0.000113	0.000500	0.000513	1	07/27/2017 03:39	WG1003035	
Total Xylene	U		0.000472	0.00150	0.00154	1	07/27/2017 03:39	WG1003035	
TPH (GC/FID) Low Fraction	U		0.0223	0.100	0.103	1	07/27/2017 03:39	WG1003035	
(S) a,a,a-Trifluorotoluene(FID)	91.9				77.0-120		07/27/2017 03:39	WG1003035	
(S) a,a,a-Trifluorotoluene(PID)	100				75.0-128		07/27/2017 03:39	WG1003035	

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	2.55	J	1.65	4.00	4.10	1	07/27/2017 16:49	WG1002932
C28-C40 Oil Range	7.00		0.281	4.00	4.10	1	07/27/2017 16:49	WG1002932
(S) o-Terphenyl	93.1				18.0-148		07/27/2017 16:49	WG1002932

Collected date/time: 07/25/17 12:15

SAMPLE RESULTS - 07 L924777

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Total Solids by Method 2540 G-2011

	-						10
		Result	Qualifier	Dilution	Analysis	Batch	
Analyte		%			date / time		2
Total Solids		86.8		1	07/26/2017 14:05	WG1002771	-

Wet Chemistry by Method 9056A

Wet Chemistry by I	Method 9056A								³ Ss
	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time		4 Cn
Chloride	50.9		0.916	10.0	11.5	1	07/26/2017 15:55	WG1002785	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000138	0.000500	0.000576	1	07/27/2017 04:01	WG1003035
Toluene	U		0.000173	0.00500	0.00576	1	07/27/2017 04:01	WG1003035
Ethylbenzene	U		0.000127	0.000500	0.000576	1	07/27/2017 04:01	WG1003035
Total Xylene	U		0.000530	0.00150	0.00173	1	07/27/2017 04:01	WG1003035
TPH (GC/FID) Low Fraction	U		0.0250	0.100	0.115	1	07/27/2017 04:01	WG1003035
(S) a,a,a-Trifluorotoluene(FID)	92.0				77.0-120		07/27/2017 04:01	WG1003035
(S) a,a,a-Trifluorotoluene(PID)	100				75.0-128		07/27/2017 04:01	WG1003035

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.86	4.00	4.61	1	07/27/2017 16:45	WG1002932
C28-C40 Oil Range	3.83	J	0.316	4.00	4.61	1	07/27/2017 16:45	WG1002932
(S) o-Terphenyl	70.8				18.0-148		07/27/2017 16:45	WG1002932

Total Solids by Method 2540 G-2011

QUALITY CONTROL SUMMARY

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Method Blank (MB)

Method Blain				
(MB) R3236523-1	07/26/17 12:49			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.000200			

L924773-40 Original Sample (OS) • Duplicate (DUP)

(OS) L924773-40 07/26/	(17 12:49 • (DUP)	R3236523-3	07/26/17 1	2:49		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	91.5	92.0	1	0.559		5

Laboratory Control Sample (LCS)

(LCS) R3236523-2 07/2	6/17 12:49				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

SDG: L924777 DATE/TIME: 07/28/17 11:10

PAGE: 13 of 21

Total Solids by Method 2540 G-2011

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.

Method Blank (MB)

(MB) R3236537-1 07/	/26/17 14:05			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.000600			

L924574-15 Original Sample (OS) • Duplicate (DUP)

(OS) L924574-15 07/26/	17 14:05 • (DUP)	R3236537-3	07/26/17 14	4:05		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	78.8	78.8	1	0.0152		5

Laboratory Control Sample (LCS)

(LCS) R3236537-2 07	7/26/17 14:05				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

DATE/TIME: 07/28/17 11:10

3

Тс

Wet Chemistry by Method 9056A

QUALITY CONTROL SUMMARY

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Method Blank (MB)

(MB) R3236325-1 0	7/26/17 09:45			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	2.17	J	0.795	10.0

L924508-01 Original Sample (OS) • Duplicate (DUP)

(OS) L924508-01 07/26/17	' 10:49 • (DUP) F	R3236325-5 C	07/26/17 10):58								
Original Result DUP Result Dilution DUP RPD DUP Qualifier DUP RPD Limits												
Analyte	mg/kg	mg/kg		%		%						
Chloride	130	184	10	35	P1	15						

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3236325-2 07/26	(LCS) R3236325-2 07/26/17 09:54 • (LCSD) R3236325-3 07/26/17 10:03													
Spike Amount LCS Result LCSD Result LCS Rec. LCSD Rec. Rec. Limits LCS Qualifier LCSD Qualifier RPD RPD Limits														
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%				
Chloride 200 200 202 100 101 80-120 1 15														

L924739-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L924739-03 07/26/17	(OS) L924739-03 07/26/17 14:34 • (MS) R3236325-6 07/26/17 14:43 • (MSD) R3236325-7 07/26/17 14:52														
	Spike Amount Original Result MS Result MS Result MS Rec. MSD Rec. Dilution Rec. Limits <u>MS Qualifier</u> MSD Qualifier RPD RPD Limits														
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%			
Chloride	500	34.3	574	505	108	94	1	80-120			13	15			

DATE/TIME: 07/28/17 11:10

Volatile Organic Compounds (GC) by Method 8015/8021

QUALITY CONTROL SUMMARY

Method Blank (MB)

(MB) R3236554-5 07/26	/17 23:49			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Benzene	U		0.000120	0.000500
Toluene	0.000400	J	0.000150	0.00500
Ethylbenzene	0.000197	J	0.000110	0.000500
Total Xylene	U		0.000460	0.00150
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(Fl	D) 94.5			77.0-120
(S) a,a,a-Trifluorotoluene(Pl	D) 104			75.0-128

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%	
Benzene	0.0500	0.0539	0.0536	108	107	71.0-121			0.630	20	
Toluene	0.0500	0.0542	0.0529	108	106	72.0-120			2.47	20	
Ethylbenzene	0.0500	0.0534	0.0526	107	105	76.0-121			1.52	20	
Fotal Xylene	0.150	0.157	0.153	105	102	75.0-124			2.45	20	
(S) a,a,a-Trifluorotoluer	ne(FID)			94.5	94.7	77.0-120					
(S) a,a,a-Trifluorotoluei	ne(PID)			103	102	75.0-128					

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3236554-3 07/26/17 22:42 • (LCSD) R3236554-4 07/26/17 23:04													
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits			
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%			
TPH (GC/FID) Low Fraction	5.50	5.54	5.15	101	93.6	70.0-136			7.26	20			
(S) a,a,a-Trifluorotoluene(Fl	D)			107	106	77.0-120							
(S) a,a,a-Trifluorotoluene(Pl	D)			117	117	75.0-128							

L924515-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L924515-05 07/27	(OS) L924515-05 07/27/17 06:14 • (MS) R3236554-6 07/27/17 06:36 • (MSD) R3236554-7 07/27/17 06:59													
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits		
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%		
Benzene	0.0500	0.00161	0.0344	0.0342	65.5	65.3	1	10.0-146			0.330	29		
Toluene	0.0500	ND	0.0274	0.0271	51.2	50.7	1	10.0-143			1.00	30		
Ethylbenzene	0.0500	ND	0.0203	0.0196	39.8	38.4	1	10.0-147			3.58	31		
Total Xylene	0.150	ND	0.0490	0.0466	31.9	30.3	1	10.0-149	<u>J6</u>	<u>J6</u>	5.02	30		
(S) a,a,a-Trifluorotoluene	(FID)				90.3	90.9		77.0-120						
		PRC	JECT:			SDG:		DATE	/TIME:		PAGE:			
Pike Energy Services - San Antonio, TX				BC	BC-004 L924777 07/28/17 11:10						16 of 21			

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Volatile Organic Compounds (GC) by Method 8015/8021

QUALITY CONTROL SUMMARY L924777-01,02,03,04,05,06,07

L924515-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L924515-05 07/27/17 06:14 • (MS) R3236554-6 07/27/17 06:36 • (MSD) R3236554-7 07/27/17 06:59													
Spike Amount Original Result MS Result MS Result MS Rec. MSD Rec. Dilution Rec. Limits MS Qualifier MSD Qualifier RPD RPD Limits													
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%	
(S) a,a,a-Trifluorotoluene(PID) 98.1 98.6 75.0-128													

L924515-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L924515-05 07/27/17	06:14 • (MS) R3	3236554-8 07	/27/17 07:21 • (1	MSD) R323655	4-9 07/27/17 0)7:43						
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
TPH (GC/FID) Low Fraction	5.50	ND	2.46	1.80	43.3	31.2	1	10.0-147		<u>13</u>	31.2	30
(S) a,a,a-Trifluorotoluene(FID)					94.1	90.3		77.0-120				
(S) a,a,a-Trifluorotoluene(PID)					104	102		75.0-128				

DATE/TIME: 07/28/17 11:10 PAGE: 17 of 21 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

QUALITY CONTROL SUMMARY

Method Blank (MB)

(MB) R3236651-1 07/27/	MB) R3236651-1 07/27/17 14:46										
	MB Result	MB Qualifier	MB MDL	MB RDL							
Analyte	mg/kg		mg/kg	mg/kg							
C10-C28 Diesel Range	U		1.61	4.00							
C28-C40 Oil Range	U		0.274	4.00							
(S) o-Terphenyl	109			18.0-148							

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3236651-2 07/27/17 15:04 • (LCSD) R3236651-3 07/27/17 15:21													
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits			
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%			
C10-C28 Diesel Range	60.0	44.2	45.2	73.7	75.4	50.0-150			2.15	20			
(S) o-Terphenyl				102	102	18.0-148							

GLOSSARY OF TERMS

*

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
U	Not detected at the Sample Detection Limit.
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.
SDL	Sample Detection Limit.
SDL (dry)	Sample Detection Limit.
MQL (dry)	Method Quantitation Limit.
MQL	Method Quantitation Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.
Qualifier	Description

J The identification of the analyte is acceptable; the reported value is an estimate.	
J3 The associated batch QC was outside the established quality control range for precision.	
J6 The sample matrix interfered with the ability to make any accurate determination; spike value is low.	
P1 RPD value not applicable for sample concentrations less than 5 times the reporting limit.	

ACCOUNT:

Pike Energy Services - San Antonio, TX

SDG: L924777



ACCREDITATIONS & LOCATIONS

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.** * Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey-NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina ¹	DW21704
Florida	E87487	North Carolina ²	41
Georgia	NELAP	North Dakota	R-140
Georgia ¹	923	Ohio-VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
lowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky ¹	90010	South Dakota	n/a
Kentucky ²	16	Tennessee 14	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA-Crypto	TN00003		

¹ Drinking Water ². Underground Storage Tanks ³. Aquatic Toxicity ⁴. Chemical/Microbiological ⁵. Mold ^{n/a} Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



	Billing Information:	12	Analysis / Container / Preservative						Sec. 1	Chain of Custody Page _ of						
Pike Energy Services - San Antonio, TX 321 Pike Rd. San Antonio, TX 78209			Same	e Pre											L-A-B S-C-I-E-N-C-E-S	
			Email To: pikeener	rgyservices@gmail.com											VOUR LA 12065 Lebenon R Mount Juliet, TN Phone: 615-758-5	17122 2027
Project Description: ANGUELL #	REME	PISTICA	1	City/State Collected: Lov/INGFICH /		M	0	10	-			1 State			Phone: 800-767-5 Fax: 615-758-585	859 257 P
hone: 210-363-2431 ax:	Client Project BC-(1004		and the second se	Lab Project #			8015	208							202
TEAL ENGILLINAS	Site/Facility ID	"#1		P.O. #			c 9050	0	3				1		Acctnum: PI	KEENGSATX
ollected by (signature):	Rush? (L	ab MUST Be		Quote #			1DT	/mp	160						Template: Prelogin:	
		5 Day 10 Day		Date F	Results Needed	No. of	kok	20	TBX						TSR:Chris M PB:	AcCord
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	CHL	A	10	- 6				1	Shipped Via: Remarks	Sample # (lab only)
SC1-0	GROB	55	6-4"	7/25/2	07 1130	2	X	X	×							-01
SC1-2	1	1	2'	1 P	1135	2	X	×	X					1		02
563-0			0-4"		1145	2	X	X	×			1				03
SE3-2			2		1150	2	X	X	X		23				1.000	04
ESSZ-0			0-4"		hoo	2	×	X	X							65
E552-2			2'		1205	2	×	×	X		221					04
W53-2	×	1	2'*	¥	1215	2	X	×	X				-			07
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Aatrix: - Soil AIR - Air F - Filter / - Groundwater B - Bioassay N - WasteWater / - Drinking Water	Samples return	ned via:	NEST WA	u						pH _ Flow _		Temp Other		COC Sea COC Sig Bottles Correct	Sample Receipt (1 Present/Intac med/Accurate: arrive intact: bottles used: ent volume sent	L:NPN YN YN
- Other	_UPS 1/Fe	dExCou	rier	100 State 1	Tracking# 657	35	222	657	12 mar 10	Part S				VOA Zer	If Applica o Headspace:	ble
linguished by: (Signature)	8.	Date: 7/25/	Storin 1400 Received by: (Signi		Received by: (Signat	and the second sec				Trip Blank Received: Yes / O HCL / MeoH TBR		Preserv	ation Correct/C	becked: $\underline{Y} \underline{W}$		
linquished by : (Signature)		Date:	TI	ime:	Received by: (Signat	ture)				Temp: D.G.	°C	Bottles Ret	eived:	If preservation required by Login: Date/Time		ogin: Date/Time
elinquished by : (Signature)		Date:	T	ime:	Received for lab by: Zauthin	(Signat	ure)			Date:	1.4	Time: 0845-		Hold:		Condition: NCF / OK



ANALYTICAL REPORT June 30, 2017



Pike Energy Services - San Antonio, TX

Sample Delivery Group: Samples Received: Project Number: Description: Site: Report To:

L919282 06/29/2017 BC-004 BC-Angell #1 - Delin. ANGELL #1 Frank Engallina 321 Pike Rd. San Antonio, TX 78209

Entire Report Reviewed By: Chu, faph

Chris McCord Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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¹ Cp	
² Tc	
³Ss	
⁴ Cn	

Sr

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Cp: Cover Page

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.

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			0 11 1 11	0	Deseritor desta (times
ACP-001 L919282-01 Solid			Collected by Frank Engallina	Collected date/time 06/26/17 12:30	Received date/time 06/29/17 08:45
Method	Batch	Dilution	Preparation	Analysis	Analyst
inculou	Bateri	Dilation	date/time	date/time	Anaryse
Total Solids by Method 2540 G-2011	WG994221	1	06/29/17 13:54	06/29/17 14:02	MLW
Wet Chemistry by Method 9056A	WG993924	1	06/29/17 10:23	06/29/17 13:35	DR
ACP-002 L919282-02 Solid			Collected by Frank Engallina	Collected date/time 06/26/17 12:35	Received date/time 06/29/17 08:45
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Total Solids by Method 2540 G-2011	WG994221	1	06/29/17 13:54	06/29/17 14:02	MLW
Wet Chemistry by Method 9056A	WG993924	1	06/29/17 10:23	06/29/17 13:44	DR
ACP-003 L919282-03 Solid			Collected by Frank Engallina	Collected date/time 06/26/17 12:40	Received date/time 06/29/17 08:45
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Total Solids by Method 2540 G-2011	WG994221	1	06/29/17 13:54	06/29/17 14:02	MLW
Wet Chemistry by Method 9056A	WG993924	1	06/29/17 10:23	06/29/17 13:53	DR

CASE NARRATIVE

*

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord Technical Service Representative

1	Ср
2	Тс
3	Ss
4	Cn
5	Sr
6	Qc
7	GI
8	AI
9	Sc

SAMPLE RESULTS - 01 L919282

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Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	 Ср
Analyte	%			date / time		2
Total Solids	87.8		1	06/29/2017 14:02	WG994221	² Tc

Wet Chemistry by Method 9056A

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	37.9		0.906	10.0	11.4	1	06/29/2017 13:35	WG993924

ACCOUNT:

SAMPLE RESULTS - 02

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Ss

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Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch		Ср
Analyte	%			date / time		2	
Total Solids	88.4		1	06/29/2017 14:02	WG994221		Тс

Wet Chemistry by Method 9056A

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	39.4		0.899	10.0	11.3	1	06/29/2017 13:44	WG993924

ACCOUNT:

Pike Energy Services - San Antonio, TX

SAMPLE RESULTS - 03 L919282

336

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Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	89.2		1	06/29/2017 14:02	WG994221	Tc
Wet Chemistry b	by Method 9056A					³ Ss

Wet Chemistry by Method 9056A

	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	35.5		0.892	10.0	11.2	1	06/29/2017 13:53	WG993924

Total Solids by Method 2540 G-2011

QUALITY CONTROL SUMMARY

Method Blank (MB)

(MB) R3230034-1 06/29/17 14:02										
	MB Result	MB Qualifier	MB MDL	MB RDL						
Analyte	%		%	%						
Total Solids	0.000									

L919272-01 Original Sample (OS) • Duplicate (DUP)

(OS) L919272-01 06/29/1	7 14:02 • (DUP) F	R3230034-3	06/29/17 1	4:02	S) L919272-01 06/29/17 14:02 • (DUP) R3230034-3 06/29/17 14:02										
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits									
Analyte	%	%		%		%									
Total Solids	94.5	89.7	1	5.17	J3	5									

Laboratory Control Sample (LCS)

(LCS) R3230034-2 06/	LCS) R3230034-2 06/29/17 14:02										
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier						
Analyte	%	%	%	%							
Total Solids	50.0	50.0	100	85.0-115							

DATE/TIME: 06/30/17 18:08

Sc

3

Τс

Wet Chemistry by Method 9056A

QUALITY CONTROL SUMMARY L919282-01,02,03

Τс

Ss

Cn

Sr

Qc

Method Blank (MB)

(MB) R3229865-1 06/29/17 11:02										
	MB Result	MB Qualifier	MB MDL	MB RDL						
Analyte	mg/kg		mg/kg	mg/kg						
Chloride	U		0.795	10.0						

L918677-01 Original Sample (OS) • Duplicate (DUP)

(OS) L918677-01 06/29/17	7 12:05 • (DUP) F	3229865-6 06/2	29/17 12	2:14			
	Original Result (dry)	DUP Result (dry) Di	ilution	DUP RPD	DUP Qualifier	DUP RPD Limits	Ę
Analyte	mg/kg	mg/kg		%		%	
Chloride	411	384 1		7		15	e

L919137-06 Original Sample (OS) • Duplicate (DUP)

L919137-06 Origin	al Sample (0	DS) • Duplica	ate (D	UP)			⁷ Gl
(OS) L919137-06 06/29/1	7 15:11 • (DUP) R	3229865-9 06/2	9/17 15:	20			Ŭ,
	Original Result (dry)	DUP Result (dry) D	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits	⁸ AI
Analyte	mg/kg	mg/kg		%		%	
Chloride	557	442 1		23	<u>J3</u>	15	⁹ Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3229865-4 06/	(LCS) R3229865-4 06/29/17 11:47 • (LCSD) R3229865-5 06/29/17 11:56											
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits		
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%		
Chloride	200	162	161	81	81	80-120			1	15		

L918677-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L918677-02 06/29/17	(OS) L918677-02 06/29/17 12:23 • (MS) R3229865-7 06/29/17 12:32 • (MSD) R3229865-8 06/29/17 12:41												
	Spike Amount Original Result MS Result (dry) MSD Result MS Rec. MSD Rec. Dilution Rec. Limits <u>MS Qualifier</u> MSD Qualifier RPD RPD Limits (dry)												
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%	
Chloride	587	540	1060	1110	88	98	1	80-120			5	15	

ACCOUNT:							
Pike Energy Services - San Antonio, TX							

DATE/TIME: 06/30/17 18:08

PAGE: 9 of 12

GLOSSARY OF TERMS

*

Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
U	Not detected at the Sample Detection Limit.
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Rec.	Recovery.
SDL	Sample Detection Limit.
SDL (dry)	Sample Detection Limit.
MQL (dry)	Method Quantitation Limit.
MQL	Method Quantitation Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.

Qualifier	Description
J3	The associated batch QC was outside the established quality control range for precision.



ACCREDITATIONS & LOCATIONS

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.** * Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey-NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina ¹	DW21704
Florida	E87487	North Carolina ²	41
Georgia	NELAP	North Dakota	R-140
Georgia ¹	923	Ohio-VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
lowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky ¹	90010	South Dakota	n/a
Kentucky ²	16	Tennessee 14	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA-Crypto	TN00003		

¹ Drinking Water ². Underground Storage Tanks ³. Aquatic Toxicity ⁴. Chemical/Microbiological ⁵. Mold ^{n/a} Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.





Ss

Cn

Sr

Qc

Gl

Sc

No. 1 Participation	Acres 1	1	Billing Infor	mation:				A	nalysis / (Container	/ Preservati	ve	-	Chain of Custody	
Pike Energy Services 321 Pike Rd. San Antonio, TX 78209			SAN		Pres Chk								YOUR LAB C		
eport to: Frank Engallina	1	1		iko Evideu Eginail.com	GALVICOS I GMAINICOS	02								12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859	
Project Description: Angell #1 Delineation				City/State Collected: Lov					1					Fax: 615-758-5859	n st
hone: (210) 363-2431	Client Project #			Lab Project #			1056							C200	
ollected by (print): FEANE ENGALLING	Site/Facility ID			P.O. #	State .	5	20							Acctnum: Template:	
ollected by (signature)	Same Da	ab MUST Be yFive l	Day	Quote #		_	100		1.5					Prelogin: TSR:	
	Next Day Two Day Three Da	5 Day 10 Da	r (Rad Only) ay (Rad Only)	Date Resu	lts Needed	No. of	hor		1.123			in the		PB: Shipped Via:	
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	CHI							Remarks	Sample # (lab only)
AC P-001	GROB	55	our	6/26/2017	1230	2	12/								DI
N.P-002	1		12		1235	2	-	600	-			1		-	33
ACP-001 ACP-002 ACP-003	¥	X	Y	Y	1240	L	×							P	
		194	1.1.1											1	
						-									
	and-	1.15		1990 A.	here by						100 E	-		1.1.1.1	
					15 5	+									
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater	Remarks:	Ext	DAY	TAT!			N.		pi Fie	H	Temp Other		COC Seal COC Sign Bottles Correct	ample Receipt Cl Present/Intact sed/Accurate: arrive intact: bottles used: ent volume sent:	NP Y
DW - Wastewater DW - Drinking Water OT - Other	Samples retu UPSF	imed via: edExC	ourier	1	Tracking #			1000			Inter Ter	VOA Zero Headspace:Y Preservation Correct/Checked:Y			
Relinquished by ? (Sighature)		Date:	Deca			Received by: (Signature)			Trip Blank Received: Yes / 40 HCC/ MeoH TBR						
Relinquished by : (Signature)	R	Date:	1		Received by: (Sig	mature)			Temp 3	5 M	°C Bottles	Received:	If preserv	vation required by Lo	
Relinquished by : (Signature)		Date:		Time:	Received for lab		-1		Date	2911-	Time: 7 8	:45	Hold:	S. Prost	NEF / D

Appendix D Load Tickets



Permian Basin Region

Bill To BC OPERATING, INC. P.O. Box 50820 Midland, TX 79710

P.O. Box 3452 Hobbs, NM 88241

JUL 1 0 2017

Invoice

Date: Invoice #:	6/30/2017 C156674
Terms: Generator: Lease: Well: Rig: PO:	Due Upon Receipt BC OPERATING, INC. ANGELL 1 NON-DRILLING
Memo:	Jason W.

7410751	
303000.001	

ltem	Qty	Desc	Price	Amount	Ticket	Date	Manifest #	3rd Party #	Co. Man	Trucking Co
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	817894	6/27/2017	NA		FRANK	L & C TRUCKING
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	817895	6/27/2017	NA	·	FRANK	4B SERVICES
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	817911	6/27/2017	NA		FRANK	LAGUNA
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	817912	6/27/2017	NA		ENGILLINA FRANK	TRUCKING LLC 4B SERVICES
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	817938	6/27/2017	NA		ENGALLINA FRANK	4B SERVICES
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	817939	6/27/2017	NA		ENGALLINA FRANK	LLC
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	818000	6/28/2017	NA		ENGALLINA FRANK	TRUCKING LLC
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	818004	6/28/2017	NA		ENGALLINA FRANK	TRUCKING LLC 4B SERVICES
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	818014	6/28/2017	NA		ENGALLINA FRANK	LLC
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	818016	6/28/2017	NA		ENGALLINA FRANK	4B SERVICES
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	818033	6/28/2017	NA		ENGALLINA FRANK	LLC LAGUNA
Contaminated Soil (RCRA Exempt)	20.00	·	\$22.00	\$440.00	818035	6/28/2017	NA		ENGALLINA FRANK	4B SERVICES
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	818068	6/28/2017	NA		ENGALLINA FRANK ENGALLINA	LLC LAGUNA TRUCKING LLC

TO AVOID DISRUPTION IN SERVICE, PLEASE PAY IMMEDIATELY. For wire instructions, contact your Account Executive.

Page 1 of 2



R360 Environmental Solutions, LLC Permian Basin Region

P.O. Box 3452 Hobbs, NM 88241

Invoice

Date: 6/30/2017 C156674 Invoice #:

Terms: Due Upon Receipt BC OPERATING, INC. Generator: ANGELL Lease: Well: 1 Rig: PO: NON-DRILLING Memo:

Bill To							
BC OPERA	TING INC						
P.O. Box 50							
Midland, TX							
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00 8180	070 6/28/201	7 NA	FRANK ENGALLINA	4B SERVICES
Contaminated Soil (RCRA	20.00	\$22.00	\$440.00 8180	99 6/28/201	7 NA	FRANK	LÁGUNA
Exempt)						ENGALLINA	TRUCKING LLC
Contaminated Soil (RCRA	20.00	\$22.00	\$440.00 818	00 6/28/201	7 NA	FRANK	4B SERVICES
Exempt)						ENGALLINA	LLC
Contaminated Soil (RCRA	20.00	\$22.00	\$440.00 8182	210 6/29/201	7 NA	FRANK	LAGUNA
Exempt)						ENGILLIANA	TRUCKING LLC
Contaminated Soil (RCRA	20.00	\$22.00	\$440.00 8182	211 6/29/201	7 NA	FRANK	4B SERVICES
Exempt) Contaminated Soil (RCRA	20.00					ENGILLINA	LLC
Exempt)	20.00	\$22.00	\$440.00 8182	41 6/29/201	7 NA	FRANK	LAGUNA
Contaminated Soil (RCRA	20.00					ENGILLINA	TRUCKING LLC
Exempt)	20.00	\$22.00	\$440.00 8182	6/29/201	7 NA	FRANK	4B SERVICES
Contaminated Soil (RCRA	20.00	£00.00				ENGILLINA	LLC
Exempt)	20.00	\$22.00	\$440.00 8182	6/29/201	7 NA	FRANK	LAGUNA
Contaminated Soil (RCRA	20.00	\$22.00	£440.00 0400	75 0/00/00 /	-	ENGILLINA	TRUCKING LLC
Exempt)	20.00	φ22.00	\$440.00 8182	6/29/201	7 NA	FRANK	4B SERVICES
Contaminated Soil (RCRA	20.00	\$22.00	\$440.00 8182	97 6/29/201	NA NA	ENGALLINA	LLC
Exempt)	20100	\$22.00	Ø440.00 8102	9/ 0/29/2011	n NA	FRANK	LAGUNA
Contaminated Soil (RCRA	20.00	\$22.00	\$440.00 8182	98 6/29/2017	7 NA	ENGALLINA FRANK	4B SERVICES
Exempt)		422.00	Q110.00 0102	.50 0/25/2011	INA I	ENGALLINA	4B SERVICES
						ENGALLINA	LLU
Please Remit To: R360-Permian Basi	n Pagian					Subtotal:	\$10,560.00
	nitegion				NM Oales T	(0.040=0/)	*74040
P.O.Box 671798					NW Sales la	x (6.8125%):	\$719.40
Dallas, TX 75267-11	798						A
575-393-1079 (O); 5						Total:	\$11,279.40
0,000-1010 (0), 0	570-000-0010(m)						

Summary of Products & Services

Product	Price	Quantity	Unit	Extended Price
Contaminated Soil (RCRA Exempt)	\$22.00	480.00	yards	\$10,560.00
Sales Tax (NM)	\$719.40	1.00	each	\$719.40

TO AVOID DISRUPTION IN SERVICE, PLEASE PAY IMMEDIATELY. For wire instructions, contact your Account Executive.

Page 2 of 2

Υ.	1	1			C OPERATIN	VG, INC.		Ticket #:	700-817894			
				omer #: C				Bid #:	O6UJ9A00081C			
					RANK ENGA	LLINA		Date:	6/27/2017			
			AFE					Generator:	BC OPERATING, INC.			
		FO #	:				Generator #	:				
ENVIRONMENT		AS1	Manif	Manifest #: NA Well Ser. #: 37902								
SOLUTIO	NS No		Manif	Date: 6	/27/2017			Well Name:	ANGELL			
Permian Basi		Haule	Hauler: L & C TRUCKING Well #: 1									
r erman basn	•		Drive	r H	HUGO Field:							
			Truck	# 2	8			Field #:				
			Card	#				Rig:	NON-DR	LLING		
			Job F	Ref #				County	LEA (NM)			
Facility: CRI												
Product / Serv	vice					Q	Quantity Units					
Contaminated	Soil /		mnt)				-					
Containinateu			mpt)				20.00	yards				
	Cell	pH	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight	
Lab Analysis.	50	0.00	0.00	0.00	0							
Generator Cer	tificati	on Statem	ent of Wa	ste Statu	is sharp and the second	14			11 - A		an a	
Thomas and the second second	1											

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

 \underline{X} RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
 MSDS Information _____ RCRA Hazardous Waste Analysis _____ Process Knowledge ______ Other (Provide description above)

Driver/ Agent Signature R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date: _____

t6UJ9A00T10I

6/29/2017 10:06:50AM

		and the	Customer: BC OPERATING, INC.						Ticket #: 700-817895				
	1	L si	Custor				,		Bid #:				
			Ordere	d by:	FRAM	K ENGIL	LINA		Date:	6/27/2017			
			AFE #						Generator:	BC OPER			
			PO #:						Generator #:		on mo, ir	NC.	
ENVIRONMEN:	TAL	J.	Manife	st #·	NA				Well Ser. #:				
SOLUTIO	NS to t		Manif.			2017			Well Name:	ANGELL			
		Hauler							ANGELL				
Permian Basi	n		Driver		4B SERVICES LLC Well #: 1								
			Truck		PABLO Field: 105 Field #:								
					105				Field #:				
			Card #						Rig:	NON-DRI	LLING		
			Job Re	et #					County	LEA (NM)			
Facility: CRI													
Product / Serv	/ice						Q	uantity U	nits				
Contaminator								-					
Contaminated	1 5011 (R	CRAExemp	DT)					20.00	yards				
	Cell	pН	CI	Conc	1. %	6Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight	
Lab Analysis.	50/51	0.00	0.00	0.00)	0							
Gonorator Co	dificatio												
Generator Cen	uncatio	in Statemer	it of was	te sta	เนร		e e e e e		a da an an an an an	ې دېږې د د د د د د	معاملته والمرتجع وأعليهم	بالمراجع المستقالحات	

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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Driver/ Agent Signature R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date: _____, ____

t6UJ9A00T10J

6/29/2017 10:02:38AM

ENVIRONMENTA SOLUTION	() menje	50	Custome Custome Ordered A AFE #: PO #: Manifest Manif. Da Hauler: Driver Truck # Card # Job Ref #	r#:C by:F #:N ate:6/ L/ H 2/	RANK ENGILI A 27/2017 AGUNA TRUC UGO	_INA	.C	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	0081C ATING, IN	C.
Facility: CRI											
Product / Servi	ce					Qı	antity U	nits			
Contaminated	Soil (RC	RA Exemp	t)				20.00	yards			
	Cell	pН	CI	Cond.	%Solids	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

___ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
___ MSDS Information ___ RCRA Hazardous Waste Analysis ___ Process Knowledge ___ Other (Provide description above)
Driver/ Agent Signature R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date:

t6UJ9A00T15J

6/29/2017 10:00:33AM

Lab Analysis.	50/51	0.00	0.00	0.00	0								
1 - 6 - 6 - 6 - 5	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight		
Contaminated	l Soil (R	CRA Exe	npt)				20.00	/ards					
Product / Ser	vice					Q	uantity U	nits					
Facility: CRI													
	Truck # 105 Card # Job Ref #								NON-DRILLING LEA (NM)				
Permian Basi	n		Haule Driver Truck	· PA	SERVICES	/ICES LLC Well #: 1 Field: Field #:							
ENVIRONMENT SOLUTIO		<u></u>		est #: 26 . Date: 6/2			Generator #: Well Ser. #: 37902 Well Name: ANGELL						
RE	3 E	50	Order AFE #	mer #: CF ed by: FF t:	C OPERATIN RI1430 RANK ENGIL			Ticket #: Bid #: Date: Generator:	700-817912 O6UJ9A00081C 6/27/2017 BC OPERATING, INC.				

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date: _____

t6UJ9A00T15K

6/29/2017 9:59:09AM

•.	ì	1 1	Custo		COPERATIN	NG, INC.		Ticket #:	700-817938				
STOCK OF STOCK			Custo	omer #: C	RI1430			Bid #:	O6UJ9A0	00081C			
			Order	ed by: FI	RANK ENGA	LLINA		Date:	6/27/2017				
			AFE #					Generator:	BC OPERATING, INC.				
		***	PO #:				Generator #						
ENVIRONMENT		21	Manif	est #: N	Ą			Well Ser. #:	37902				
SOLUTIO	VS N		Manif	. Date: 6/	27/2017			Well Name:	ANGELL				
Permian Basir	`		Haule		3 SERVICES	LLC		Well #:	1				
Duon	•		Drive	ricid.									
			Truck	# 10)5			Field #:					
			Card	#				Rig:	NON-DR	ILLING			
			Job R	lef #				County	LEA (NM))			
Facility: CRI													
Product / Serv	rice					Q	uantity U	nits					
Contaminated	Soil (I	RCRA Exe	mpt)				20.00	yards					
	Cell	pН	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weiaht		
Lab Analysis.	50	0.00	0.00	0.00	0								
Generator Cer	1. S. B. S.	on Statem	ent of Wa	ste Statu	S	e					and the second		

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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_____ MSDS Information _____ RCRA Hazardous Waste Analysis _____ Process Knowledge _____ Other (Provide description above)
Driver/ Agent Signature R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date:

t6UJ9A00T18K

6/29/2017 10:02:01AM

Customer #: CRI1430 Bid #: 060J9A00081C				
Ordered by: FRANK ENGALLINA Date: 6/27/2017				
Generator: BC OPERATING	, INC.			
PO #: Generator #:				
ENVIBONMENTAL Manifest #: NA Well Ser. #: 37902				
SOLUTIONS Manif. Date: 6/27/2017 Well Name: ANGELL				
Parenting Parallel Hauler: LAGUNA TRUCKING LLC Well #: 1				
Permian Basin Driver HUGO Field:				
Truck # 28 Field #:				
Card # Rig: NON-DRILLING	NON-DRILLING			
Job Ref # County LEA (NM)	LEA (NM)			
Facility: CRI				
Product / Service Quantity Units				
Contaminated Soil (RCRA Exempt) 20.00 yards				
Cell pH CI Cond. %Solids TDS PCI/GM MR/HR H2S %C	il Weight			
Lab Analysis. 50 0.00 0.00 0.00 0				

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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___ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _____ MSDS Information _____ RCRA Hazardous Waste Analysis _____ Process Knowledge _____ Other (Provide description above)

Driver/ Agent Signature R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date: _____

t6UJ9A00T18L

6/29/2017 10:01:17AM

•			Custo	mer: B	C OPERATII	NG, INC.		Ticket #: 700-818000				
			Custo	mer #: C	RI1430			Bid #:	O6UJ9A00081C			
			Order	ed by: F	RANK ENGA	ALLINA		Date:	6/28/201	7		
			AFE #	<i>t</i> :				Generator:	NC.			
		PO #:					Generator #		,			
ENVIRONMENT	N.	Manif	est#: N	IA			Well Ser. #: 37902					
SOLUTIO		Manif	Date: 6	/28/2017			Well Name:	ANGELL				
Permian Basi		Haule	er: L	AGUNA TRU	ICKING L	LC.	Well #:					
r crimari Dash		Drive	· F	IUGO			Field:					
			Truck	# 2	8			Field #:				
			Card					Rig:	NON-DR	ILLING		
			Job R	lef #				County	LEA (NM))		
Facility: CRI												
Product / Serv	vice					Q	uantity U	nits				
Contaminated	l Soil (R	CRA Exer	npt)				20.00	vards				
				0	0/ 0 - 11-1-	TDO		•				
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight	
Lab Analysis.	50/51	0.00	0.00	0.00	0							
Generator Cen	rtificatio	on Statem	ent of Wa	ste Stati	JS		enter angel enter heter ange	انی از در اندازی از بالای در انجماد و در مدید راها و در وا	ار از میشود. مربع از میشود با از میشود از از میشود از از میشود از میشود از میشود از میشود از میشود از میشود از م		ار به معرج الحري چنون ک	

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

____ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): ____ MSDS Information ____ RCRA Hazardous Waste Analysis ____ Process Knowledge ____ Other (Provide description above)

Driver/ Agent Signature R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date:

t6UJ9A00T1IE

6/29/2017 10:09:32AM

ENVIRONMENT. SOLUTION	¥8 *		Ordered AFE #: PO #: Manifes	er #: 0 d by: F st #: N Date: 6 4 F 5 1	3C OPERATIN CRI1430 RANK ENGA VA V28/2017 B SERVICES PETE 05	LLINA		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902			
Facility: CRI												
Product / Serv	ice					Quantity Units						
Contaminated	Soil (RC	RA Exem	ot)				20.00	yards				
	Cell	pН	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight	
Lab Analysis.	50	0.00	0.00	0.00	0							

Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date:

t6UJ9A00T1IX

6/29/2017 10:07:14AM
REG ENVIRONMENT SOLUTION Permian Basir	50	Ordere AFE # PO #: Manife Manif. Hauler	mer #: CI ed by: FF : est #: N/ Date: 6/2 :: LA	AANK ENGA A 28/2017 AGUNA TRU	LLINA	LC	Ticket #: Bid #: Date: Generator: Generator # Well Ser. #: Well Name: Well #:	: 37902	0081C	1C.	
			Driver Truck Card # Job Re	# 28 t	JGO			Field: Field #: Rig: County	NON-DRI LEA (NM)		
Facility: CRI											
Product / Serv	ice					Q	uantity U	nits			
Contaminated	Soil (F	RCRA Exen	npt)				20.00	/ards			
	Cell	pН	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50	0.00	0.00	0.00	0						
Generator Cer I hereby certify ti 1988 regulatory of X BCDA Free	hat acco determi	ording to the nation, the a	Resource (Conservation bed waste	on and Recoversis:	ery Act (R	CRA) and	the US Enviro	onmental Pro	otection Age	

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) Driver/ Agent Signature R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date: _____

t6UJ9A00T1N1

6/29/2017 10:07:38AM

PRG ENVIRONMENT SOLUTION Permian Basin	18 North	50	Customer Customer Ordered b AFE #: PO #: Manifest # Manif. Da Hauler: Driver Truck # Card # Job Ref #	+#: CR by: FR #: NA te: 6/2 4B PE 105	ANK ENGALI 8/2017 SERVICES L TE	_INA		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Mame: Well #: Field: Field #: Rig: County	37902	081C ATING, IN	IC.
Facility: CRI											
Product / Serv	ice					Qu	antity U	nits			
Contaminated	Soil (RC	RA Exempt	t)				20.00	yards			
_	Cell	pН	CI C	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50	0.00 (0.00	0.00	0						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

____ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _____ MSDS Information ____ RCRA Hazardous Waste Analysis _____ Process Knowledge _____ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date:

t6UJ9A00T1NB

6/29/2017 10:08:06AM

AFE #: PO #: SOLUTIONS Permian Basin AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck #				FRANK EN	GALLINA	LC	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field: Field #: Bia:	37902 ANGELL 1		
	Card # Job Ref #						Rig: County	NON-DRILLING LEA (NM)		
Facility: CRI										
Product / Servi	ice				Q	uantity U	nits			
Contaminated	Soil (R	CRA Exemp	t)			20.00	yards			
	Cell	pН	Cl Cor		s TDS	PCI/GN	I MR/HR	H2S	% Oil	Weight
Lab Analysis.	50	0.00	0.00 0.0	0 0						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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Driver/ Agent Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date:

t6UJ9A00T1QG

6/29/2017 10:08:50AM

ENVIRONMENT SOLUTION	50	Orden AFE # PO #: Manife Manife Haule	mer #: CF ed by: FR t: est #: NA . Date: 6/2 r: 4B	ANK ENGA 18/2017 SERVICES	LLINA		Ticket #: Bid #: Date: Generator: Generator # Well Ser. #: Well Name: Well #:	: 37902	0081C	IC.	
Permian Basin Driver PE Truck # 105 Card # Job Ref #								Field: Field #: Rig: County	NON-DRI LEA (NM)		
Facility: CRI											
Product / Serv	ice					Q	uantity U	nits			
Contaminated	Soil (R	CRA Exem	ipt)				20.00 y	/ards			
	Cell	pН	Cł	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50	0.00	0.00	0.00	0						
Generator Cer	tificatio	on Stateme	nt of Wa	ste Statu	na propos post. National de la composition de la composition de la composition de la composition de la composit		n i Na manana kata kata kata kata kata kata kata				gan at a national

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Driver/ Agent Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date: _____

R360 Representative Signature

t6UJ9A00T1QV

6/29/2017 10:04:13AM

	R360			CRI1430 FRANK NA 6/28/201	ENGALLINA		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	081C Ating, in	IC.
Facility: CRI										
Product / Serv	ice					Quantity U	Inits			
Contaminated	Soil (RC	CRA Exempt	t)			20.00	yards			
	Cell		Cl Con	d. %S	olids TDS	PCI/GM	1 MR/HR	H2S	% Oil	Weight
Lab Analysis.	50	0.00 (0.0 00.0	0 (0					

Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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 __ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above)

Driver/ Agent Signature R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date:_____

t6UJ9A00T1WG

6/29/2017 10:03:19AM

ENVIRONMENT SOLUTION	NS C		Customer: BC OPERATING, INC. Customer #: CRI1430 Ordered by: FRANK ENGALLINA AFE #: PO #: Manifest #: NA Manif. Date: 6/28/2017 Hauler: 4B SERVICES LLC Driver PETE Truck # 105 Card # Job Ref #					Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	#: #: 37902			
Facility: CRI												
Product / Serv	vice					Q	uantity U	nits				
Contaminated Soil (RCRA Exem			ot)				20.00	yards				
	Cell	pН	Cl	Cond	. %Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight	
Lab Analysis.	50/51	0.00	0.00	0.00	0							
	1141 (S. 11 ⁻¹⁰⁾	e gynger o ser			ويعتقد والمراجع المتكلف المتعاوم		rade i sa a				e e e e e e e e e e e e e e e e e e e	

Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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______MSDS Information ______RCRA Hazardous Waste Analysis ______Process Knowledge ______Other (Provide description above)
Driver/ Agent Signature ______R300 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date: _____

t6UJ9A00T1WK

6/29/2017 10:09:10AM

ENVIRONMENT SOLUTION Permian Basin	50	Custor Ordere AFE # PO #: Manife Manif. Hauler Driver Truck Card #	Customer: BC OPERATING, INC. Customer #: CRI1430 Ordered by: FRANK ENGALLINA AFE #: PO #: Manifest #: NA Manif. Date: 6/28/2017 Hauler: LAGUNA TRUCKING LLC Driver HUGO Truck # 28 Card # Job Ref #				Ticket #: Bid #: Date: Generator: Generator # Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	0081C ATING, IN	IC.	
Facility: CRI											
Product / Serv	ice					G	Quantity U	nits			
Contaminated	Soil (R	CRA Exem	npt)				20.00	yards			
	Cell	pН	CI	Cond.	%Solids	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50	0.00	0.00	0.00	0						
Generator Cer I hereby certify t									onmental Pro	otection Age	ency's July

1988 regulatory determination, the above described waste is: \underline{X} RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

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Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date:

t6UJ9A00T1ZS

6/29/2017 10:10:19AM

R360	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #:	BC OPERATING, INC. CRI1430 FRANK ENGALLINA NA	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #:	
SOLUTIONS 🏷 🛷	Manif. Date:		Well Name:	ANGELL
Permian Basin	Hauler: Driver	4B SERVICES LLC PETE	Well #: Field:	1
	Truck #	105	Field #:	
	Card #	100	Rig:	NON-DRILLING
	Job Ref #		County	LEA (NM)
Facility: CRI				
Product / Service		Quantity	Units	
Contaminated Soil (RCRA Exemp	t)	20.0	0 yards	
Cell pH	Cl Con	d. %Solids TDS PCI/G	M MR/HR	H2S % Oil Weight
Lab Analysis. 50 0.00	0.00 0.0	0 N/A		

Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date: _____

t6UJ9A00T1ZT

6/29/2017 10:09:56AM

environment,		50	Ordered AFE #: PO #: Manifest	er #: by: #:	BC OPERATIN CRI1430 FRANK ENGIL NA			Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #:	37902			
SOLUTION			Manif. D Hauler:		6/29/2017 LAGUNA TRU(CKING LI	_C	Well Name: Well #:	ANGELL 1			
Permian Basin Driver Truck # Card # Job Ref #					HUGO 28			Field: Field #: Rig: County	NON-DRILLING LEA (NM)			
Facility: CRI												
Product / Serv	ice					Q	uantity U	nits				
Contaminated Soil (RCRA Exempt)			ot)				20.00	yards				
	Cell	pН	CI	Cond	. %Solids	TDS	PCI/GN	1 MR/HR	H2S	% Oil	Weight	
Lab Analysis:	50/51	0.00	0.00	0.00	0 0							

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Driver/ Agent Signature

Customer Approval _____

R360 Representative Signature

THIS IS NOT AN INVOICE!

Approved By:

Date: _____

©UJ9A00T2HR

6/29/2017 10 1

	Customer:	BC OPERATING	G, INC.		Ticket #: 700-818211				
	Customer #:	CRI1430			Bid #:	Walk-in Bi	d		
	Ordered by:	FRANK ENGILI	INA		Date:	6/29/2017			
	AFE #:				Generator:	BC OPER	ating, in	IC.	
	PO #:				Generator #:				
ENVIRONMENTAL	Manifest #:	NA			Well Ser. #:	37902			
SOLUTIONS 👌 🚿	Manif. Date:	6/29/2017			Well Name:	: ANGELL			
/	Hauler:	4B SERVICES	LLC		Well #:	1			
Permian Basin	Driver	PABLO			Field:				
	Truck #	105			Field #:				
	Card #				Rig:	NON-DRIL	LING		
	Job Ref #				County	LEA (NM)			
Facility: CRI									
Product / Service			Q	uantity U	nits				
Contaminated Soil (RCRA Exemp	t)			20.00 y	/ards				
Cell pH	CI Con	d. %Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight	
Lab Analysis: 50/51 0.00	0.00 0.0	0 0							
Generator Certification Statement									

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Driver/Agent Signature **R360 Representative Signature Customer Approval**

THIS IS NOT AN INVOICE!

Date:

IGUJ9A00T2HZ

6/29/2017 101:

	3600 Customer #: Ordered by: AFE #: PO #: PO #: WIFE MENTAL Manifest #: Manifest #: Manifest #: Manifest #: Manifest #:				FRANK ENGILLINA NA			Ticket #: Bid #: Date: Generator: Generator # Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	id Rating, If	NC.
Facility: CRI								,			
Product / Serv	vice			1.55		Q	uantity U	nits			
Contaminated	Soil (R	CRA Exem	ıpt)				20.00			5. F	
	Cell	рН	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						
Generator, Cer	tificatio	on Stateme	ent of Wa	ste Statu	S	2010 Jac				Malaki (m.	

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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Driver/ Agent Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date:

R360 Representative Signature

t6UU1 - 00T250

6/29/2017 12:36 Fab.

ENVIRCE TEN TU SOUTH AND Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	FRANK ENGIL	LINA	B D G G G V V V F F R	icket #: id #: benerator: benerator: benerator #: Vell Ser. #: Vell Aame: Vell #: ield #: ield #: ig: bounty	37902	d ATING, IN	IC.
Facility: CRI								
Product / Service			Q	uantity Uni	its		en an co Bago do com	
Contaminated Soil (RCRA Exe	mpt)			20.00 ya	irds			
Cell pH	CI Con		TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50 0.00	0.00 0.0	0 0						
Generator Certification Statem I hereby certify that according to th 1988 regulatory determination, the X RCRA Exempt: Oil Field waste waste. 	e Resource Conser- above described was s generated from o vaste which is non- regulations, 40 CF ation is attached to	vation and Recover stet is: il and gas explora hazardous that do r 261.21-261.24 demonstrate the a Analysis _ Pr	tion and p es not exc or listed h bove-desc ocess Kno	roduction op eed the mini nazardous wa cribed waste	erations and mum standar aste as define is non-hazar Other (Pro	are not mixed ds for waste d in 40 CFR dous. (Cheft vide descript	ed with nor hazardous part 261, the appro	by subpart D, as priate items)

THIS IS NOT AN INVOICE!

Approved By: _____

Date:

160.194 (012) (V

6/29/2017 12:46.25

ENVIRONMENTA SOLUTION Permian Basin	IS 1	50		#: C by: F #: N te: 6 L 2	BC OPERATING, INC. CR11430 FRANK ENGILLINA NA 6/29/2017 LAGUNA TRUCKING LLC HUGO 28		с		700-818273 Walk-in Bid 6/29/2017 BC OPERATING, INC. 37902 ANGELL 1 NON-DRILLING LEA (NM)		
Facility: CRI											
Product / Serv	ice					Qu	antity U	Inits			
Contaminated Soil (RCRA Exempt)							20.00	yards			
	Cell	pН	CI	Cond.	%Solids	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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MSDS InformationRCRA Hazardous waste Ana Driver/ Agent Signature	R360 Representative Signature
Customer Approval	
THIS	IS NOT AN INVOICE!
Approved By:	Date: /

t6UJ9A00T2PU

6/29/2017 3 4314

BOLUTIONS Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	FRANK ANGE	LLIANA		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	ting, in	C.
Facility: CRI								
Product / Service			Qu	antity U	nits			
Contaminated Soil (RCRA Exem	ipt)		yards					
Cell pH	CI Cor	nd. %Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51 0.00	0.00 0.0	0 00						

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R360 Representative Signature Driver/ Agent Signature / **Customer Approval**

THIS IS NOT AN INVOICE!

Approved By:

Date:

(6UJ9A00T2Q3

6/29/2017

ENVIRONMENTAL SOLUTIONS	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	FRANK ANGE	ILLIANA	C	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	700-81829 Walk-in Bic 6/29/2017 BC OPER/ 37902 ANGELL 1 NON-DRIL LEA (NM)	d ATING, IN	C.
Facility: CRI								
Product / Service			Q	uantity U	nits			
Contaminated Soil (RCRA Exe	empt)			20.00	yards			
Cell pH	Cl Co	nd. %Solids	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51 0.00	0.00 0.1	00 N/A						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above)

Driver/ Agent Signature R360 Representative Signature	_ MSDS Information _ RCRA Hazardous v		•P
	river/ Agent Signature	R360 Representative Signature	
110	110		
	///		

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

t6U.19A00T2SF

6/29/2017

ENVIRONMENTA SOLUTION	IS Art		Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	CRI14 FRAN NA 6/29/2	IK ANGEIL 2017 ERVICES L	LAIANA		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	700-818298 Walk-in Bid 6/29/2017 BC OPERA 37902 ANGELL 1 NON-DRILI LEA (NM)	TING, IN	C.
Facility: CRI											
Product / Servi	ice i	landar († 1997) 1997 - Standard Maria, filozofia 1997 - Standard Maria, filozofia				Qu	antity U	nits			
Contaminated Soil (RCRA Exempt)							20.00	yards			
	Cell	pН	CI Co	nd. '	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00 0.	00	0						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

_____RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): ______MSDS Information ______RCRA Hazardous Waste Analysis ______Process Knowledge _____Other Provide description above)

MSDS InformationRCKA Hazardous waste Analysis		1 Outer	f lov	ne desemption
Driver/ Agent Signature	R360 Representative Sig	hature	2.0	
fillo mente			Д	
Customer Approval	- The Christer and Cal			Care

THIS IS NOT AN INVOICE!

Approved By:	Date:

t6UJ9A00T2SG

6/29/2017 5:34 44-4

	Invoice	
R360 JUL 1 0 2017	Date: Invoice #:	6/30/2017 C156713
SOLUTIONS R360 Environmental Solutions, LLC Permian Basin Region P.O. Box 3452 Hobbs, NM 88241	Terms: Generator: Lease: Well: Rig: PO: Memo:	Due Upon Receipt BC OPERATING, INC. ANGELL 1 NON-DRILLING JASON W.
Bill To BC OPERATING, INC. P.O. Box 50820 Midland, TX 79710		

						71	610751		
						30	3000.1	00	
Qty 20.00	Desc	Price \$22.00	Amount \$440.00	Ticket 818180	Date 6/29/2017	Manifest #	3rd Party #	Co. Man	Trucking Co LAGUNA TRUCKING LLC
		£00.00	6440.00	010100	6/00/0017	NIA		ENGILLIANA	48 SERVICES

Item	Qty	Desc	Price	Amount	Ticket	Date	Manifest #	3rd Party #	Co. Man	Trucking Co
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	818180	6/29/2017	NA		FRANK ENGILLIANA	LAGUNA TRUCKING LLC
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	818182	6/29/2017	NA		FRANK ENGILLINA	4B SERVICES LLC
Please Remit To:								Su	btotal:	\$880.00
R360-Permian Bas P.O.Box 671798	sin Region						NM Sale	s Tax (6.8	125%):	\$59.95
Dallas, TX 75267- 575-393-1079 (O);		615(F)						·	Total:	\$939.95

Summary of Products & Services

Product	Price Quant	ity Unit	Extended Price
Contaminated Soil (RCRA Exempt)	\$22.00 40.00	yards	\$880.00
Sales Tax (NM)	\$59.95 1.00	each	\$59.95

TO AVOID DISRUPTION IN SERVICE, PLEASE PAY IMMEDIATELY. For wire instructions, contact your Account Executive.

Page 1 of 1

RONMENTAL SOLUTIONS	Customer: BCOPMATAG Customer #: CR19930 CR1 IU30 Ordered by: FRANK ENGILLIANA AFE #: PO #: Manifest #: NA Manif. Date: 6/29/2017 Hauler: LAGUNA TRUCKING LLC Driver HUGO Truck # 28 Card # Job Ref #	Ticket #: 700-818180 Bid #: Walk-in Bid Date: 6/29/2017 Generator: PL Opurcting Well Ser. #: 37902 Well Name: ANGELL Well #: 1 Field: Field #: Rig: NON-DRILLING County LEA.(NM)				
Facility: CRI						
Product / Service	Quantity	Units				
Contaminated Soil (RCRA Exemp	20.00) yards				
Cell pH	CI Cond. %Solids TDS PCI/G	M MR/HR H2S % Oil Weight				
Lab Analysis: 50/51 0.00 0.00 0 Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ R&RA Hazardous Waste Analysis _ Process Knowledge Other (Provide description above) Driver/ Agent Signature _ R360 Representative Signature _ MSDS _ MSDS _ MSDS MES IS NOT AN INVOICE! _ MASA						
Approved By:	Date:					

5009A00 F2AA

6/29/2017 o. .

ENVIRONMENTAL SOLUTIONS		9/2017 SERVICES LL ^I BLO		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	700-818182 Walk-in Bid 6/29/2017 BCD 37902 ANGELL 1 NON-DRIL LEA (NM)	perat	ing
Facility: CRI					and the second second second second second	- 2000 2000 to William	
Product / Service			Quantity I	Units			
Contaminated Soil (RCRA Exem	pt)		20.00 yards				
Cell pH	CI Cond.		TDS PCI/GI	M MR/HR	H2S	% Oil	Weight
Lab Analysis: 50 0.00	0.00 0.00	0					
Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt							

THIS IS NOT AN INVOICE!

Approved By:

Date: _____

t6UJ9A00T2AN

6/29/2017 8:13:49/



P.O. Box 3452 Hobbs, NM 88241

JUL 1 4 2017

Invoice

Date: 7/12/2017 C156887 Invoice #:

Due Upon Receipt BC OPERATING, INC. Terms: Generator: ANGELL Lease: Well: 1 NON-DRILLING Rig: PO: Memo:

Vendor	7610751]
CODE		
AFE		
	203600 001	
Lease/Well_	303000.001	

ltem	Oty Dasc		Amount	Ticket	Date , N	laoileet # 3t	d Party# Co. Man	Trucking Op:
Contaminated Soil (RCRA	20.00	\$22.00	\$440.00	818362	6/30/2017	NA	FRANK	4B SERVICES
Exempt)							ENGALLINA	LLC
Contaminated Soil (RCRA	20.00	\$22.00	\$440.00	818363	6/30/2017	NA	FRANK	LAGUNA
Exempt)							ENGALLINA	TRUCKING LLC
Contaminated Soil (RCRA	20.00	\$22.00	\$440.00	818385	6/30/2017	NA	FRANK	4B SERVICES
Exempt)							ENGALLINA	LLC
Contaminated Soil (RCRA	20.00	\$22.00	\$440.00	818387	6/30/2017	NA	FRANK	LAGUNA
Exempt)							ENGALLINA	TRUCKING LLC
Contaminated Soil (RCRA	20.00	\$22.00	\$440.00	818397	6/30/2017	NA	FRANK	4B SERVICES
Exempt)							ENGALLINA	LLC
Contaminated Soil (RCRA	20.00	\$22.00	\$440.00	818400	6/30/2017	NA	FRANK	LAGUNA
Exempt)							ENGALLINA	TRUCKING LLC
Contaminated Soil (RCRA	20.00	\$22.00	\$440.00	818410	6/30/2017	NA	FRANK	EL TRAVIEZO
Exempt)							ENGALLINA	TRUCKING
Contaminated Soil (RCRA	20.00	\$22.00	\$440.00	818419	6/30/2017	NA	FRANK	4B SERVICES
Exempt)							ENGALLINA	LLC
Contaminated Soil (RCRA	20.00	\$22.00	\$440.00	818420	6/30/2017	NA	FRANK	LAGUNA
Exempt)							ENGALLINA	TRUCKING LLC
Contaminated Soil (RCRA	20.00	\$22.00	\$440.00	818430	6/30/2017	NA	FRANK	EL TRAVIEZO
Exempt)					_		ENGALLINA	TRUCKING
Contaminated Soil (RCRA	20.00	\$22.00	\$440.00	818444	6/30/2017	NA	FRANK	LAGUNA
Exempt)							ENGALLINA	TRUCKING LLC
Contaminated Soil (RCRA	20.00	\$22.00	\$440.00	818446	6/30/2017	NÁ	FRANK	4B SERVICES
Exempt)							ENGALLINA	LLC
Contaminated Soil (RCRA	20.00	\$22.00	\$440.00	818447	6/30/2017	NA	FRANK	P
Exempt)							ENGALLINA	

TO AVOID DISRUPTION IN SERVICE, PLEASE PAY IMMEDIATELY. For wire instructions, contact your Account Executive.

Page 1 of 5

Bill To BC OPERATING, INC. P.O. Box 50820 Midland, TX 79710



R360 Environmental Solutions, LLC Permian Basin Region

P.O. Box 3452 Hobbs, NM 88241

Invoice

Date: 7/12/2017 C156887 Invoice #:

Terms: Due Upon Receipt Generator: Lease: Well: 1 Rig: PO: Memo:

BC OPERATING, INC. ANGELL NON-DRILLING

BC OPERA	TING, INC.						
P.O. Box 50)820						
Midland, TX	(79710						
ontaminated Soil (RCRA kempt)	20.00	\$22.00	\$440.00 818497	7/1/2017	NA	FRANK ENGALLINA	LAGUNA TRUCKING LLC
ontaminated Soil (RCRA kempt)	20.00	\$22.00	\$440.00 818498	7/1/2017	NA	FRANK ENGALLINA	EL TRAVIEZO TRUCKING
ontaminated Soil (RCRA kempt)	20.00	\$22.00	\$440.00 818499	7/1/2017	NÁ	FRANK ENGALLINA	DOG TRUCKING
ontaminated Soil (RCRA xempt)	20.00	\$22.00	\$440.00 818500	7/1/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
ontaminated Soil (RCRA xempt)	20.00	\$22.00	\$440.00 818501	7/1/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
ontaminated Soil (RCRA xempt)	20.00	\$22.00	\$440.00 818502	7/1/2017	NA	FRANK ENGALLINA	PJR TRUCKING
ontaminated Soil (RCRA xempt)	20.00	\$22.00	\$440.00 818503	7/1/2017	NA	FRANK ENGALLINA	PJR TRUCKING
ontaminated Soil (RCRA xempt)	20.00	\$22.00	\$440.00 818509	7/1/2017	NA	FRANK ENGALLINA	PJR TRUCKING
ontaminated Soil (RCRA xempt) ontaminated Soil (RCRA	20.00	\$22.00	\$440.00 818511	7/1/2017	NA	FRANK ENGALLINA	4B SERVICES
ontaminated Soil (RCRA xempt) ontaminated Soil (RCRA	20.00	\$22.00	\$440.00 818512 \$440.00 818514	7/1/2017	NA	FRANK ENGALLINA	EL TRAVIEZO TRUCKING
xempt)	20.00	\$22.00	\$440.00 818514		NA	FRANK ENGALLINA	4B SERVICES
ontaminated Soil (RCRA xempt) ontaminated Soil (RCRA	20.00	\$22.00 \$22.00	\$440.00 818515	7/1/2017	NA NA	FRANK ENGALLINA FRANK	4B SERVICES LLC LAGUNA
xempt)	20.00		\$440.00 818516	7/1/2017	NA	ENGALLINA	TRUCKING LLC
xempt)	20.00	\$22.00				FRANK ENGALLINA	
xempt)	20.00	\$22.00 \$22.00	\$440.00 818531 \$440.00 818534	7/1/2017	NA	FRANK ENGALLINA FRANK	4B SERVICES LLC 4B SERVICES
ixempt)	20.00	\$22.00	\$440.00 818534	7/1/2017	NA	ENGALLINA FRANK	LLC EL TRAVIEZO
ixempt)	20.00	\$22.00	\$440.00 818535	7/1/2017	NA	ENGALLINA	TRUCKING DOG TRUCKING
xempt) ontaminated Soil (RCRA	20.00		\$440.00 818530	7/1/2017	NA	FRANK ENGALLINA	
entaminated Soil (RCRA xempt) ontaminated Soil (RCRA	20.00	\$22.00	\$440.00 818537	7/1/2017	NA NA	FRANK ENGALLINA	TRUCKING LLC PJR TRUCKING
ontaminated Soll (RCRA xempt) ontaminated Soil (RCRA	20.00	\$22.00 \$22.00	\$440.00 818545	7/1/2017		FRANK ENGALLINA FRANK	4B SERVICES
ontaminated Soil (RCRA xempt) ontaminated Soil (RCRA	20.00	\$22.00	\$440.00 818549	7/1/2017	NA	FRANK ENGALLINA FRANK	48 SERVICES LLC 48 SERVICES
xempt)	20.00	\$22.00	\$440.00 818550	7/1/2017	NA	ENGALLINA FRANK	LLC EL TRAVIEZO
xempt) ontaminated Soil (RCRA	20.00	\$22.00	\$440.00 818555	7/1/2017	NA	ENGALLINA FRANK	TRUCKING DOG TRUCKING
xempt) ontaminated Soil (RCRA	20.00	\$22.00	\$440.00 818556	7/1/2017	NA	ENGALLINA FRANK	LAGUNA
xempt) ontaminated Soil (RCRA	20.00	\$22.00	\$440.00 818826	7/3/2017	NA	ENGALLINA FRANK	TRUCKING LLC
xempt)	20.00	\$22.00	\$440.00 818827	7/3/2017	NA	ENGALLINA	TRUCKING DOG TRUCKING
xempt)	20.00	\$22.00	\$440.00 818828	7/3/2017	NA	ENGALLINA FRANK	Luna Trucking
xempt) ontaminated Soil (RCRA	20.00	\$22.00	\$440.00 818833	7/3/2017	NA	ENGALLINA FRANK	4B SERVICES
(xempt)	_0.00	÷11.00				ENGALLINA	LLC

TO AVOID DISRUPTION IN SERVICE, PLEASE PAY IMMEDIATELY. For wire instructions, contact your Account Executive.

Page 2 of 5



R360 Environmental Solutions, LLC Permian Basin Region

P.O. Box 3452 Hobbs, NM 88241

Invoice

Date: 7/12/2017 Invoice #: C156887

Terms:DGenerator:ELease:AWell:1Rig:NPO:Memo:

Due Upon Receipt BC OPERATING, INC. ANGELL 1 NON-DRILLING

	1820						
P.O. Box 50							
Midland, TX							
ontaminated Soil (RCRA kempt)	20.00	\$22.00	\$440.00 818834	7/3/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
ontaminated Soil (RCRA (empt)	20.00	\$22.00	\$440.00 818844	7/3/2017	NA	FRANK ENGALLINA	EL TRAVIEZO TRUCKING
ontaminated Soil (RCRA xempt)	20.00	\$22.00	\$440.00 818848	7/3/2017	NA	FRANK ENGALLINA	DOG TRUCKING
ontaminated Soil (RCRA kempt)	20.00	\$22.00	\$440.00 818851	7/3/2017	NA	FRANK ENGALLINA	LAGUNA TRUCKING LLC
ontaminated Soil (RCRA xempt)	20.00	\$22.00	\$440.00 818858	7/3/2017	NA	FRANK ENGALLINA	4B SERVICES
ontaminated Soil (RCRA xempt)	20.00	\$22.00	\$440.00 818859	7/3/2017	NA	FRANK ENGALLINA	4B SERVICES
ontaminated Soil (RCRA	20.00	\$22.00	\$440.00 818883	7/3/2017	NA	FRANK	EL TRAVIEZO
xempt) ontaminated Soil (RCRA	20.00	\$22.00	\$440.00 818888	7/3/2017	NA	ENGALLINA FRANK	TRUCKING DOG TRUCKING
xempt) ontaminated Soil (RCRA	20.00	\$22.00	\$440.00 818889	7/3/2017	NA	ENGALLINA FRANK	LAGUNA
xempt) ontaminated Soil (RCRA	20.00	\$22.00	\$440.00 818894	7/3/2017	NA	ENGALLINA FRANK	TRUCKING LLC PJR TRUCKING
xempt) ontaminated Soil (RCRA	20.00	\$22.00	\$440.00 818903	7/3/2017	NA	ENGALLINA FRANK	4B SERVICES
xempt) ontaminated Soil (RCRA	20.00	\$22.00	\$440.00 818931	7/3/2017	NA	ENGALLINA	LLC EL TRAVIEZO
xempt)						ENGALLINA	TRUCKING
ontaminated Soil (RCRA xempt)	20.00	\$22.00	\$440.00 818932	7/3/2017	NA	FRANK ENGALLINA	LAGUNA TRUCKING LLC
ontaminated Soil (RCRA xempt)	20.00	\$22.00	\$440.00 818933	7/3/2017	NA	FRANK ENGALLINA	DOG TRUCKING
ontaminated Soil (RCRA xempt)	20.00	\$22.00	\$440.00 818936	7/3/2017	NA	FRANK ENGALLINA	PJR TRUCKING
ontaminated Soil (RCRA xempt)	20.00	\$22.00	\$440.00 818946	7/3/2017	NA	FRANK ENGALLINA	4B SERVICES
contaminated Soil (RCRA xempt)	20.00	\$22.00	\$440.00 819244	7/5/2017	NA	FRANK ENGALLINA	EL TRAVIEZO TRUCKING
ontaminated Soil (RCRA	20.00	\$22.00	\$440.00 819246	7/5/2017	NA	FRANK	DOG TRUCKING
xempt) ontaminated Soil (RCRA	20.00	\$22.00	\$440.00 819249	7/5/2017	NA	ENGALLINA FRANK	LAGUNA
xempt) contaminated Soil (RCRA	20.00	\$22.00	\$440.00 819253	7/5/2017	NA	ENGALLINA FRANK	TRUCKING LLC 4B SERVICES
xempt) ontaminated Soil (RCRA	20.00	\$22.00	\$440.00 819279	7/5/2017	NA	ENGALLINA FRANK	LLC EL TRAVIEZO
exempt)	20.00	\$22.00	\$440.00 819280	7/5/2017	NA	ENGALLINA FRANK	TRUCKING DOG TRUCKING
xempt)	20.00	\$22.00	\$440.00 819287	7/5/2017	NA	ENGALLINA FRANK	LAGUNA
ixempt)	20.00	\$22.00	\$440.00 819290	7/5/2017	NA	ENGALLINA FRANK	TRUCKING LLC 4B SERVICES
xempt)			• • • • •			ENGALLINA	LLC
ontaminated Soil (RCRA xempt)	20.00	\$22.00	\$440.00 819305	7/5/2017	NA	FRANK ENGALLINA	EL TRAVIEZO TRUCKING
ontaminated Soil (RCRA xempt)	20.00	\$22.00	\$440.00 819306	7/5/2017	NA	FRANK ENGALLINA	DOG TRUCKING
ontaminated Soil (RCRA xempt)	20.00	\$22.00	\$440.00 819307	7/5/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
ontaminated Soil (RCRA empt)	20.00	\$22.00	\$440.00 819309	7/5/2017	NA	FRANK ENGALLINA	4B SERVICES
Contaminated Soil (RCRA xempt)	20.00	\$22.00	\$440.00 819332	7/5/2017	NA	FRANK ENGALLINA	DOG TRUCKING

TO AVOID DISRUPTION IN SERVICE, PLEASE PAY IMMEDIATELY. For wire instructions, contact your Account Executive.

Page 3 of 5



R360 Environmental Solutions, LLC Permian Basin Region

P.O. Box 3452 Hobbs, NM 88241

Bill To

Invoice

Date: 7/12/2017 Invoice #: C156887

Terms:Due &Generator:BC OLease:ANGIWell:1Rig:NONPO:Memo:

Due Upon Receipt BC OPERATING, INC. ANGELL 1 NON-DRILLING

BC OPERA							
P.O. Box 50	820						
Midland, TX	79710						
Contaminated Soil (RCRA	20.00	\$22.00	\$440.00 819334	7/5/2017	NA	FRANK	EL TRAVIEZO
Exempt)	20.00	\$22.00	\$440.00 019334	115/2017	19/5	ENGALLINA	TRUCKING
Contaminated Soil (RCRA	20.00	\$22.00	\$440.00 819338	7/5/2017	NA	FRANK	4B SERVICES
Exempt)	20:00	<i>ψεε</i> .00	\$440,00 013330	113/2017		ENGALLINA	LLC
Contaminated Soil (RCRA	20.00	\$22.00	\$440.00 819340	7/5/2017	NA	FRANK	4B SERVICES
Exempt)	20.00	ΨΖΖ.00	Q440.00 013040	110/2011	1MA	ENGALLINA	LLC
Contaminated Soil (RCRA	20.00	\$22.00	\$440.00 819440	7/6/2017	NA	FRANK	EL TRAVIEZO
Exempt)		+				ENGALLINA	TRUCKING
Contaminated Soil (RCRA	20.00	\$22.00	\$440.00 819441	7/6/2017	NA	FRANK	4B SERVICES
Exempt)						ENGALLINA	LLC
Contaminated Soil (RCRA	12.00	\$22.00	\$264.00 819442	7/6/2017	NA	FRANK	TWIN PEAK
Exempt)						ENGALLINA	
Contaminated Soil (RCRA	12.00	\$22.00	\$264.00 819443	7/6/2017	NA	FRANK	SWORDS
Exempt)						ENGALLINA	TRUCKING
Contaminated Soil (RCRA	20.00	\$22.00	\$440.00 819444	7/6/2017	NA	FRANK	4B SERVICES
Exempt)						ENGALLINA	LLC
Contaminated Soil (RCRA	20.00	\$22.00	\$440.00 819445	7/6/2017	NA	FRANK	LAGUNA
Exempt)						ENGALLINA	TRUCKING LLC
Contaminated Soil (RCRA	12.00	\$22.00	\$264.00 819449	7/6/2017	NA	FRANK	PRO TRUCKING
Exempt)						ENGALLINA	
Contaminated Soil (RCRA	12.00	\$22.00	\$264.00 819465	7/6/2017	NA	FRANK	SWORDS
Exempt)						ENGALLINA	TRUCKING
Contaminated Soil (RCRA	20.00	\$22.00	\$440.00 819471	7/6/2017	NA	FRANK	4B SERVICES
Exempt)						ENGALLINA	LLC
Contaminated Soil (RCRA	12.00	\$22.00	\$264.00 819473	7/6/2017	NA	FRANK	TWIN PEAK
Exempt)						ENGALLINA	
Contaminated Soil (RCRA	20.00	\$22.00	\$440.00 819477	7/6/2017	NA	FRANK	EL TRAVIEZO
Exempt)			· · · · · · · · · · · · · · · · · · ·			ENGALLINA	TRUCKING
Contaminated Soil (RCRA	20.00	\$22.00	\$440.00 819478	7/6/2017	NFA	FRANK	LAGUNA
Exempt)	20.00	***	CA40.00 040470	7/0/0047	NA	ENGALLINA	TRUCKING LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00 819479	7/6/2017	NA	FRANK ENGALLINA	4B SERVICES
Contaminated Soil (RCRA	12.00	\$22.00	\$264.00 819486	7/6/2017	NA	FRANK	PRO TRUCKING
Exempt)	12.00	φ22.00	\$204.00 019400	1/0/2011	INA	ENGALLINA	FRO INDENING
Contaminated Soil (RCRA	12.00	\$22.00	\$264.00 819490	7/6/2017	NA	FRANK	SWORDS
Exempt)	12.00	\$22.00	\$204.00 015450	110/2011	inc.	ENGALLINA	TRUCKING
Contaminated Soil (RCRA	12.00	\$22.00	\$264.00 819493	7/6/2017	NA	FRANK	TWIN PEAK
Exempt)	12.00	ψ22.00	W204.00 010400	110/2011	1	ENGALLINA	
Contaminated Soil (RCRA	20.00	\$22.00	\$440.00 819502	7/6/2017	NA	FRANK	EL TRAVIEZO
Exempt)	20100	¢22.00	\$110100 01000L			ENGALLINA	TRUCKING
Contaminated Soil (RCRA	20.00	\$22.00	\$440.00 819503	7/6/2017	NA	FRANK	4B SERVICES
Exempt)			•			ENGALLINA	LLC
Contaminated Soil (RCRA	20.00	\$22.00	\$440.00 819506	7/6/2017	NA	FRANK	4B SERVICES
Exempt)						ENGALLINA	LLC
Contaminated Soil (RCRA	20.00	\$22.00	\$440.00 819507	7/6/2017	NA	FRANK	LAGUNA
Exempt)						ENGALLINA	TRUCKING LLC
Contaminated Soil (RCRA	12.00	\$22.00	\$264.00 819509	7/6/2017	NA	FRANK	PRO TRUCKING
Exempt)						ENGALLINA	
Contaminated Soil (RCRA	12.00	\$22.00	\$264.00 819524	7/6/2017	NA	FRANK	SWORDS
Exempt)						ENGALLINA	TRUCKING
Contaminated Soil (RCRA	12.00	\$22.00	\$264.00 819530	7/6/2017	NA	FRANK	TWIN PEAK
Exempt)						ENGALLINA	
Contaminated Soil (RCRA	20.00	\$22.00	\$440.00 819539	7/6/2017	NA	FRANK	EL TRAVIEZO
Exempt)	73.00	****	····			ENGALLINA	TRUCKING
Contaminated Soil (RCRA	20.00	\$22.00	\$440.00 819540	7/6/2017	NA	FRANK	4B SERVICES
Exempt)	20.00	600.00	\$440.00 819541	7/0/2017	NA	ENGALLINA	4B SERVICES
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	φ440.00 819541	7/6/2017	NA	FRANK ENGALLINA	4B SERVICES
						ENGALLINA	LLU

TO AVOID DISRUPTION IN SERVICE, PLEASE PAY IMMEDIATELY. For wire instructions, contact your Account Executive.

Page 4 of 5



Permian Basin Region

P.O. Box 3452

Hobbs, NM 88241

Invoice

 Date:
 7/12/2017

 Invoice #:
 C156887

Terms:Due Upon ReceiptGenerator:BC OPERATING, INC.Lease:ANGELLWell:1Rig:NON-DRILLINGPO:Memo:

Bill To BC OPERAT P.O. Box 50	,						
Midland, TX							
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00 819544	7/6/2017	NA	FRANK ENGALLINA	LAGUNA TRUCKING LLC
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00 819546	7/6/2017	NA	FRANK ENGALLINA	PRO TRUCKING
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00 819560	7/6/2017	NA	FRANK ENGALLINA	TWIN PEAK
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00 819645	7/7/2017	NA	FRANK ENGALLINA	SWORDS TRUCKING
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00 819646	7/7/2017	NA	FRANK ENGALLINA	PROTRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00 819647	7/7/2017	NA	FRANK ENGALLINA	TWIN PEAK
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00 819649	7/7/2017	NA	FRANK ENGALLINA	4B SERVICES
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00 819650	7/7/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00 819667	7/7/2017	NA	FRANK ENGALLINA	TWIN PEAK
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00 819668	7/7/2017	NA	FRANK ENGALLINA	SWORDS TRUCKING
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00 819670	7/7/2017	NA	FRANK ENGALLINA	PRO TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00 819676	7/7/2017	NA	FRANK ENGALLINA	4B SERVICES
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00 819693	7/7/2017	NA	FRANK ENGALLINA	4B SERVICES
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00 819709	7/7/2017	NA	FRANK ENGALLINA	TWIN PEAK
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00 819737	7/7/2017	NA	FRANK ENGALLINA	TWIN PEAK
Please Remit To:	_ .					Subtotal:	\$47,080.00
R360-Permian Basir P.O.Box 671798	Region				NM Sales Tax (6.8125%):	\$3,207.32
Dallas, TX 75267-17 575-393-1079 (O); 5						Total:	\$50,287.32

Summary of Products & Services

Product	Price	Quantity Unit	Extended Price
Contaminated Soil (RCRA Exempt)	\$22.00	2,140.00 yards	\$47,080.00
Sales Tax (NM)	\$3,207.32	1.00 each	\$3,207.32

TO AVOID DISRUPTION IN SERVICE, PLEASE PAY IMMEDIATELY. For wire instructions, contact your Account Executive.

Page 5 of 5

ENVIRONMENTAL SOLUTIONS Permian Basin	· .	6	AFE #:	#: CR by: FA ; ; #: NA te: 6/3 4B	RNK ENGILI 0/2017 SERVICES BLO	-IANA		Bid #:Walk-in BidDate:6/30/2017Generator:BC OPERATING, INC.Generator #:Well Ser. #:Well Ser. #:37902Well Name:ANGELLWell #:1Field:Field #:Field #:NON DBULLING			
			Card # Job Ref #					Rig: County	NON-DRIL LEA (NM)	LING	
Facility: CRI Product / Servic						Q	uantity U	Inits			
Contaminated S	•	•	,				20.00	yards			
(Lab Analysis: 50	Cell 0/51	рН 0.00		ond. 0.00	%Solids 0	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight

Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July

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	_ Trocess knowledge _ Other (Trovide description
Driver/ Agent Signature	R360 Representative Signature
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Customer Approval	For the set of the set of the \mathbb{T}_{2} . Note that the first set of the \mathbb{T}_{2}

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Ap	proveu	Dy.

Date: _____

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6/30/2017 5....

ENVIRONMENT SOLUTIO Permian Basin	NS 🐨	6	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	CRI1430 FRANK EN NA 6/30/2017	ating, inc. Ngilliana Trucking Li	-C	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	TING, IN	IC.
Facility: CRI										
Product / Serv	/ice				Q	uantity U	nits			
Contaminated	l Soil (RC	RA Exemp	t)			20.00	yards	•		
	Cell	pН	CI Con	d. %Soli	ds TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00 0.0	0 0						
Generator Cer	rtification	n Statemen	of Waste Sta	atus						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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______MSDS Information ______RCRA Hazardous Waste Analysis ______Process Knowledge _____Other (Provide description above)
Driver/ Agent Signature ______R60 Representative Signature

Driver/ Agent Signature	R360 Representative Signature
	IN I
Customer Approval	

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Approved By:

Date:

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6/30/2017 6 : -

ENVIRONMENT SOLUTION Permian Basir	vs 🗺	50	Customer: Customer : Ordered by AFE #: PO #: Manifest #: Manif. Date Hauler: Driver Truck # Card # Job Ref #	#: CRI /: FRA NA e: 6/30	ANK ENGIL 0/2017 SERVICES 3LO	LIANA		Ticket #: Bid #: Date: Generator: #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	1 Ating, in	C.
Facility: CRI											
Product / Serv	lce					Q	uantity U	nits			
Contaminated	Soil (R	CRA Exem	pt)				20.00 y	vards			
	Cell	рН	CI Co	ond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00 0	.00	0						
Generator Cer	tificatio	n Statemer	nt of Waste S	Status							

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Driver/ Agent S	ignature	R360 Represei	ntative Signatur	e	
KIMA A	my		I	N	
Customer Appr	roval			$\sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{i$	• • • • • • • •

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Date: _____

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6/30/2017 10 2010

ENVIRONMENTAL SOLUTIONS	Customer: BC OPERATING, INC Customer #: CRI1430 Ordered by: FRANK ENGILLIANA AFE #: PO #: Manifest #: NA Manif. Date: 6/30/2017	. Ticket #: Bid #: Date: Generator: Generator # Well Ser. #: Well Name:	37902
Permian Basin	Hauler:LAGUNA TRUCKINGDriverHUGOTruck #28	LLC Well #: Field: Field #:	1 1
	Card # Job Ref #	Rig: County	NON-DRILLING LEA (NM)
Facility: CRI			
Product / Service	te de la tradiçación de p	Quantity Units	
Contaminated Soil (RCRA Exemp	t)	20.00 yards	
Cell pH Lab Analysis: 50/51 0.00	CI Cond. %Solids TDS 0.00 0.00 0	PCI/GM MR/HR	H2S % Oil Weight
1988 regulatory determination, the abov X RCRA Exempt: Oil Field wastes ge waste. RCRA Non-Exempt: Oil field wast characteristics established in RCRA reg	source Conservation and Recovery Act (ve described waste is: nerated from oil and gas exploration and e which is non-hazardous that does not e: ulations, 40 CFR 261.21-261.24 or listed n is attached to demonstrate the above-de	production operations and sceed the minimum standa I hazardous waste as define scribed waste is non-hazar	are not mixed with non-exempt rds for waste hazardous by rd in 40 CFR, part 261, subpart D. as dous. (Check the appropriate items):

Roo Representative Signati	ire
luce	
Customer Approval	<u>Nr</u>

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Approved By:

Date:

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6/30/2017 to th

ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: Customer # Ordered by: AFE #: PO #: Manifest #: Manif. Date Hauler: Driver Truck # Card # Job Ref #	FRANK ENGILLIA	NA	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	I ATING, IN	C.
Facility: CRI							
Product / Service			Quantity U	nits			
Contaminated Soil (RCRA E	xempt)		20.00	yards			
Cell pH Lab Analysis: 50/51 0.00	CI Co 0.00 0.		IDS PCI/GM	MR/HR	H2S	% Oil	Weight

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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Driver/ Agent Signature	R360 Representative Signa	ature N
hall Mater		
Customer Approval		$\overline{\mathcal{M}}$

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Approved By:

Date: _____

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6/30/2017 124.

		j.	Custome Custome		C OPERATIN	G, INC.		Ticket #: Bid #:	700-81840 Walk-in Bi	-	
	36	50		–	RANK ENGIL	LINA		Date: Generator: Generator #:	6/30/2017 BC OPER		IC.
ENVIRONMENT		all a	Manifest					Well Ser. #:	37902		
SOLUTIO Permian Basii	22.5	*	Manif. Da Hauler: Driver Truck #	L	AGUNA TRUG UGO	CKING LI	LC	Well Name: Well #: Field: Field #:	ANGELL 1		
			Card # Job Ref #		-			Rig: County	NON-DRII LEA (NM)	LING	
Facility: CRI											
Product / Serv	/ice					Q	uantity U	nits			
Contaminated	Soil (R	CRA Exem	pt)				20.00	/ards			
	Cell	pН	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						
Generator Cer I hereby certify 1 1988 regulatory	that accord determina	ling to the F ttion, the ab	Resource Cor ove describe	nservat d waste	ion and Recove is:						

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

____ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _____ MSDS Information _____ RCRA Hazardous Waste Analysis _____ Process Knowledge ______ Other (Provide description above)

Driver/ Agent Signature	R360 Representative Signature
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Customer Approval

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Approved By:

Date:

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6/30/2017

	5	Customer: BC OPERATING, INC. Customer #: CRI1430 Ordered by: FRANK ENGILLINA					Ticket #: Bid #: Date: Generator:	700-818410 Walk-in Bid 6/30/2017 BC OPERATING, INC.			
ENVIRONMENTAL SOLUTIONS			AFE #: PO #: Manifest #: NA Manif. Date: 6/30/2017 Hauler: EL TRAVIEZO TRUCKING Driver JESUS			G	Generator #: Well Ser. #: 37902 Well Name: ANGELL Well #: 1 Field:				
			Truck # Card # Job Ref #	1				Field #: Rig: County	NON-DRIL LEA (NM)	LING	
Facility: CRI											
Product / Serv	ice					Qu	antity U	nits			
Contaminated	Soil (R	CRA Exemp	t)				20.00	yards			
	Cell	pН	CI Co	ond.	%Solids	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00 C	.00	0						
Generator Cer	tificatio	n Statemen	t of Waste S	Status			de la				

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Driver/ Agent Signature	R360 Representative Signature
Customer Approval	
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Approved	By:	
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Date:

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6/30/2017 201

ENVIRONMENT SOLUTION Permian Basir	vs hard	50	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	CRI14 FRANI NA 6/30/20	X ENGILLI 017 RVICES L	IANA		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Mame: Well #: Field: Field #: Rig: County	37902	TING, IN	C.
Facility: CRI											
Product / Serv	Ice					Qu	antity U	nits			
Contaminated	Soil (RC	CRA Exemp	t)				20.00	yards			
	Cell	pН	CI Con	d. %	Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00 0.0	0	0						·

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Driver/Agent Signature	R360 Representative Signature
techo Muntue	
Customer Approval	

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Approved By:

Date:

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6/30/2017 3000

Basin		Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	FRANK ENGIL	LIANA	Well Nan		C.	
Facility: CRI								
Product / Serv	lice				Qua	ntity Units		
Contaminated	l Soil (RC	RA Exem	pt)			20.00 yards		
	Cell	рН	CI Cor	nd. %Solids	TDS	PCI/GM MR/H	IR H2S % Oil	Weight
Lab Analysis:	50/51	0.00	0.00 0.0	0 0				
Generator Cer I hereby certify	hat accord	ling to the F tion, the abo	lesource Conser	vation and Recove aste is:			wironmental Protection Age and are not mixed with non	

Driver/ Agent Signature	R360 Representative Sig	nature
hac		1
Customer Approval		X

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Approved By:	
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Date:

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6/30/2017

A Solutions Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	FRANK ENGILLIAN	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902			
Facility: CRI							
Product / Service			Quantity U	nits			
Contaminated Soil (RCRA Exemp	t)		20.00	yards			
Cell pH	Cl Con		S PCI/GM	I MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51 0.00	0.00 0.0	0 0					

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Date: ____

Driver/ Agent Signature	RCIA Hazaruous wasie Alla	R360 Representativ	e Signature
ona para de recar en ara ser ara s	fuilt	avi i cha tr∎trostrostro	, pr
Customer Approval	pu		
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Approved By:

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Environmenta Solution Permian Basin	15 NgS	SO	Customer: Customer # Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	CRI FRA NA 6/30	NK ENGILL /2017 UNA TRUC	IANA	C	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	d Ating, in	C.
Facility: CRI											
Product / Service					Quantity Units			nits			
Contaminated Soil (RCRA Exempt)							20.00	yards			
_	Cell	pН	CI Cor		%Solids	TDS	PCI/GN	I MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00 0.0	00	0						

Approved By:

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Date:

Driver/ Agent Signature	R3	60 Representative Signature						
Moc		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~						
Customer Approval								
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6/30/2017

BARTHONMENTAL SOLUTIONS Permian Basin	60	Ordere AFE # PO #: Manife	mer #: CF ed by: FF : Date: 6/3 r: 4E PA # 10	ANK ENGIL 30/2017 9 SERVICES 18LO	LIANA		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field #: Rig: County	37902	id Ating, in	IC.
Facility: CRI										
Product / Service				Quantity Units						
Contaminated Soil (RCRA Exempt)				20.00 yards						
Ce	ell pH	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/	51 0.00	0.00	0.00	0						

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R360 Representative Signature **Driver/ Agent Signature** TU **Customer Approval**

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Approved By:

Date:

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6/30-2010
	Customer:	BC OPERATIN	IG, INC.	Ticket #:	700-818447	7	
•	Customer #:	CRI1430		Bid #:	Walk-in Bid		
	Ordered by:	FRANK ENGIL	LIANA	Date:	6/30/2017		
	AFE #:			Generator:	BC OPERA	TING, IN	C.
	PO #:			Generator #:			
ENVIRONMENTAL	Manifest #:	NA		Well Ser. #:	37902		
SOLUTIONS	Manif. Date:	6/30/2017		Well Name:	ANGELL		
Permian Basin	Hauler:	PJRTKI	SU	Well #:	1		
Perman Dasm	Driver	MARTY		Field:			
	Truck #	1	•	Field #:			
	Card #			Rig:	NON-DRILI	LING	
	Job Ref #			County	LEA (NM)		
Facility: CRI							
Product / Service			Quantit	y Units			
Contaminated Soil (RCRA Exemp	t)		20	.00 yards			
Cell pH	CI Con	id. %Solids	TDS PCI	/GM MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51 0.00	0.00 0.0	00 N/A					

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Driver/ Agent Signature	R360 Repre	sentative Signature
X	-Martin	SU
Customer Approval		
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Date:

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		Customer:	BC (OPERATING	G, INC.		Ticket #:	700-81849	7	
· · · · <u>·</u>		Customer #	CRI	1430			Bid #:	Walk-in Bio	ł	
		Ordered by:	FRA	NK ENGILL	IANA		Date:	7/1/2017		
		AFE #:					Generator:	BC OPER/	ATING, IN	C.
		PO #:					Generator #:			
SNVIRONMENTAL [👘 🖉		Manifest #:	NA				Well Ser. #:	37902		
SCHITICNS SECTO	-	Manif. Date:					Well Name:	ANGELL		
Permian Basin		Hauler:		UNA TRUC	KING LL	С	Well #:	1		
r chinan busin		Driver	LUIS	5			Field:			
		Truck #	28				Field #:			
		Card #					Rig:	NON-DRIL	LING	
		Job Ref #					County	LEA (NM)		
Facility: CRI										
Product / Service					Qu	antity U	nits			
Contaminated Soil (RCI	RA Exemp	t)				20.00	yards			
Cell	pН	CI Co	nd.	%Solids	TDS	PCI/GN	1 MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51	0.00	0.00 0.	00	0						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

____ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D. as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _____ MSDS Information _____ RCRA Hazardous Waste Analysis _____ Process Knowledge _____ Other (Provide description above)

Driver/ Agent Signature R360 Representative Signature tes

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date:

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BACKET STATE ANY PROMIMENTAL SHUTTONS Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	BC OPERATIN CRI1430 FRANK ENĠIL NA 7/1/2017 EL TRAVIEZO JESUS 01	LIANA	IG	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field: Field #: Rig: County		d ATING, IN	C.
Facility: CRI								
Product / Service			Qu	antity U	nits			
Contaminated Soil (RCRA Exemp	t)			20.00	yards			
Cell pH	CI Con	d. %Solids	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51 0.00	0.00 0.0	0 0						

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	MCRA Makardous waste Analysis	Process Knowledge	 Other (Provide description above
Driver/ Agent Signature	V = V	R360 Representative Sig	inature
	(m) X.		~
Customer Approval			()
Ĺ		NOT AN INVOIC	E! V
Approved By:		Date:	

16UJ9A00T3T8

			Custo	mer:	BC OPEF	RATING	G, INC.		Ticket #:	700-81849	99	
· · · · ·			Custo	mer #:	CRI1430				Bid #:	Walk-in B	d	
- 19 - 19 - 2 -			Order	ed by:	FRANK ENGILLIANA				Date:	7/1/2017		
			AFE #	‡ :					Generator:	BC OPER	ATING, IN	IC.
	y .		PO #:						Generator #:			
CALTRONMENT		a A	Manif		NA				Well Ser. #:	37902		
<i>30LUTIO</i>	NS TO	Ser .			7/1/2017				Well Name:	ANGELL		
Permian Basir	n		Haule		DOG TRI	JCKING	G		Well #:	1		
i onnun Buon			Driver		CESAR				Field:			
			Truck		4				Field #:			
			Card						Rig:	NON-DRI	LLING	
			Job R	ef#					County	LEA (NM)		
Facility: CRI												
Product / Serv	/ice						Q	uantity U	nits			
Contaminated	l Soil (R	CRA Exen	npt)					20.00	yards			
	Cell	pН	CI	Conc	. %So	lids	TDS	PCI/GN	1 MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00) 0							
Generator Cer	rtificatio	n Stateme	ent of Wa	iste Sta	tus							
Thought continue							4 (D		d NOR :	. 1.0		

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 _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)

Driver/ Agent Signature	R360 Representative Signature
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Customer Approval	\bigvee

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Approved E	3γ:
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Date: _____

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	Customer:	BC OPERATIN	G, INC.		Ticket #:	700-818500)	
	Customer #:	CRI1430			Bid #:	Walk-in Bid		
SCORA	Ordered by:	FRANK ENGIL	LIANA		Date:	7/1/2017		
	AFE #:				Generator:	BC OPERA	TING. IN	C.
	PO #:				Generator #:			
ENV'RONMENTAL (🖉	Manifest #:	NA			Well Ser. #:	37902		
SOLUTIONS 🏷 🛸	Manif. Date:	7/1/2017			Well Name:	ANGELL		
Permian Basin	Hauler:	4B SERVICES	LLC		Well #:	1		
r ennian Dasin	Driver	PABLO			Field:			
	Truck #	105			Field #:			
	Card #				Rig:	NON-DRIL	LING	
	Job Ref #				County	LEA (NM)		
•								
Facility: CRI								
Product / Service			Qu	antity U	nits			
Contaminated Soil (RCRA Exemp	it)			20.00 y	arde			
	,			20.00 y	alus			
Cell pH	CI Con	id. %Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51 0.00	0.00 0.0	0 0						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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Driver/ Agent Signature **R360 Representative Signature Customer Approval**

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Approved By:

Date:

ISUJ9A00T3TC

Widdle .

Solutions Permian Basin	6	Customer: Customer # Ordered by AFE #: PO #: Manifest #: Manif. Date Hauler: Driver Truck # Card # Job Ref #	: CRI ² FRA NA : 7/1/2	NK ENGILI 2017 SERVICES	-IANA		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field: Field #: Rig: County	37902	d ATING, IN	C.
Facility: CRI										
Product / Service					Qı	uantity U	Inits			
Contaminated Soil (RC	RA Exemp	t)				20.00	yards			
Cell	pН	CI Co	nd.	%Solids	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51	0.00	0.00 0.	00	0						

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Driver/ Agent Signature R360 Representative Signature

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360 Counterstat Solutions Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	FRANK ENGI	LLIANA	Ticket #: Bid #: Date: Generator: Generator # Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	I ATING, IN	C.
Facility: CRI							
Product / Service			Qua	ntity Units			
Contaminated Soil (RCRA Exem	pt)			20.00 yards			
Cell pH	CI Con	d. %Solids	TDS	PCI/GM MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51 0.00	0.00 0.0	0 0					

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 _ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above)

Driver/ Agent Signature R360 Representative Signature

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Customer Approval		-
THIS IS I	NOT AN INVOICE!	
Approved By:	Date:	
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Sinviron Mento Sources Permian Basin	75 NoS	50	Customer: Customer: Ordered by AFE #: PO #: Manifest #: Manif. Date Hauler: Driver Truck # Card # Job Ref #	#: CRI 7: FRA NA 9: 7/1/ P,	OPERATIN 1430 ANK ENGILI 2017 5, R2. T I ROLD	LIANA	مح	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County		I ATING, IN	C.
Facility: CRI											
Product / Serv	ice					Qu	antity U	nits			
Contaminated	Soil (RC	RA Exempt	t)				20.00	yards			
_	Cell	pН		ond.	%Solids	TDS	PCI/GN	1 MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00 (0.00 C	.00	0						

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		itere i nazar dous	waste rularysis	'	Toccas Knowledge	Outer	(1 IOVIUC C
Driver/ Agent Signatu	re			R360	Representative S	ignature	

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ustomer Approval	· .	、

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Date:

800940013TS

		Customer:	BC OPEF	RATING, INC.		Ticket #:	700-818509)	
	1	Customer #:	CRI1430			Bid #:	Walk-in Bid		
- A - A - 		Ordered by:	FRANK E	NGILLIANA		Date:	7/1/2017		
		AFE #:				Generator:	BC OPERA	TING, IN	C.
		PO #:				Generator #:			
-POWPONAIENTAL		Manifest #:	NA			Well Ser. #:	37902		
PRETIONS Å	an a	Manif. Date:	7/1/2017			Well Name:	ANGELL		
Permian Basin		Hauler:	P.J.R.	Thekin	Ś.	Well #:	1		
Periman Dasin		Driver	MARTY		0	Field:			
		Truck #	1			Field #:			
		Card #				Rig:	NON-DRIL	LING	
		Job Ref #				County	LEA (NM)		
Facility: CRI									
Product / Service				Q	uantity l	Jnits			
Contaminated Soil	(RCRA Exemp	ot)			20.00	yards			
Cell	pН	CI Con	id. %Sc	olids TDS	PCI/GI	M MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/5	1 0.00	0.00 0.0)0 C)					

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Driver/ Agent Signature		R360 Representa	tive S	Signature	

	- Cuy
Customer Approval	
THIS IS	NOT AN INVOICE!
Approved By:	Date:

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7/1/2017 11

BARENTAL SOLUTIONS Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	FRANK ENG	LLIANA	Ticket #: Bid #: Date: Generator: Generator # Well Ser. #: Well Name: Well #: Field #: Rig: County	37902	TING, IN	C.
Facility: CRI							
Product / Service			Qua	intity Units			
Contaminated Soil (RCRA Exemp	et)			20.00 yards			
Cell pH	Cl Cor	nd. %Solids	TDS I	PCI/GM MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51 0.00	0.00 0.0	0 0					

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Driver/ Agent Signature	R360 Representative Signature
Jable Monta	· · ·
Customer Approval	

THIS IS NOT AN INVOICE!

Date:

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7/1/2014

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	Customer:	BC OPERATIN	G, INC.		Ticket #:	700-818512	2	
·	Customer #:	CRI1430			Bid #:	Walk-in Bid		
	Ordered by:	FRANK ENGIL	LIANA		Date:	7/1/2017		
	AFE #:				Generator:	BC OPERA	TING, IN	C.
	PO #:				Generator #:			
ENVIRONMENTAL	Manifest #:	NA			Well Ser. #:	37902		
SOLUTIONS SCORES	Manif. Date:	7/1/2017			Well Name:	ANGELL		
Permian Basin	Hauler:	EL TRAVIEZO	TRUCKING	G	Well #:	1		
Permian basin	Driver	JESUS			Field:			
	Truck #	01			Field #:			
	Card #				Rig:	NON-DRIL	LING	
	Job Ref #				County	LEA (NM)		
Facility: CRI								
Product / Service			Qua	antity U	nits			
Contaminated Soil (RCRA Exemp	t)			20.00	yards			
Cell pH	CI Con	d. %Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51 0.00	0.00 0.0	0 0						
-								

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Date:

MSDS InformationRCRA Hazardous	Waste Analysis _ Process Knowledge _ Other (Provide description
Driver/ Agent Signature / /	R360 Representative Signature
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Customer Approva	an the later of the
V V	THIS IS NOT AN INVOICE!
Approved By:	Date:

16U.19A00T3V8

7/1/2017 80

ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: BC OPERATING, INC. Customer #: CRI1430 Ordered by: FRANK ENGILLIANA AFE #: PO #: Manifest #: NA Manif. Date: 7/1/2017 Hauler: DOG TRUCKING Driver CESAR Truck # 4 Card # Job Ref #	Ticket #: 700-818514 Bid #: Walk-in Bid Date: 7/1/2017 Generator: BC OPERATING, INC. Generator #: Well Name: Well Name: ANGELL Well #: 1 Field: Field #: Rig: NON-DRILLING County LEA (NM)								
Facility: CRI										
Product / Service Quantity Units										
Contaminated Soil (RCRA Exemp	t) 20.00	yards								
Cell pH	CI Cond. %Solids TDS PCI/GM	1 MR/HR H2S % Oil Weight								
Generator Certification Statemen I hereby certify that according to the Re 1988 regulatory determination, the abor X RCRA Exempt: Oil Field wastes ge waste. RCRA Non-Exempt: Oil field wast characteristics established in RCRA reg amended. The following documentatio	esource Conservation and Recovery Act (RCRA) and	operations and are not mixed with non-exempt inimum standards for waste hazardous by waste as defined in 40 CFR, part 261, subpart D. as te is non-hazardous. (Check the appropriate items): Other (Provide description above)								

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Approved E	3v:
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Date: _____

16UJ9A00T3VA

7/1/2011 -----

An an anna an	NS NETH	50	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	CRI1 FRAI NA 7/1/2	NK ENGILL 017 ERVICES L	IANA		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	i ATING, IN	C.
Facility: CRI											
Product / Serv	rice					Qu	antity U	nits			
Contaminated	Soil (R	CRA Exemp	t)				20.00	yards			
	Cell	pН	Cl Cor	nd.	%Solids	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00 0.	00	0						

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_ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)
Driver/ Agent Signature R360 Representative Signature

Customer Approval			
		S IS NOT AN INV	OICE!
Approved By:	File Ma	Date	c

16U.19A00T3VE

ANVIRONMENTA SOLUTION Permian Basin	1	50	Customer: Customer # Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	CRI1 FRA NA 7/1/2	NK ENGILLI 2017 UNA TRUCI	ANA	C	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field: Field #: Rig: County	37902	fing, in(C.
Facility: CRI											
Product / Servi	ce					Qu	antity U	inits			
Contaminated	Soil (R	CRA Exemp	t)				20.00	yards			
	Cell	pН	CI Co	nd.	%Solids	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00 0.	00	0						

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Driver/ Agent Signature R360 Representative Signature

Montes 5

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date:

ISUJ9A00T3VG

	Customer:	BC OPERAT	ING, INC.		Ticket #:	700-818524		
•	Customer #:	CRI1430			Bid #:	Walk-in Bio	t	
MARCA	Ordered by:	FRANK ENG	GLILLIANA		Date:	7/1/2017		
	AFE #:				Generator:	BC OPERA	ATING, IN	C.
	PO #:				Generator #:			
ENMIRONMENTAL 🕴 🎵	Manifest #:	NA			Well Ser. #:	37902		
SOLUTIONS Cestific	Manif. Date:	7/1/2017			Well Name:	ANGELL		
Permian Basin	Hauler:	Р			Well #:	1		
Permian Dasin	Driver	MARTY			Field:			
	Truck #	1			Field #:			
	Card #				Rig:	NON-DRIL	LING	
	Job Ref #				County	LEA (NM)		
Facility: CRI								
Product / Service			Q	uantity L	Jnits			
Contaminated Soil (RCRA Exemp	ot)			20.00	yards			
Cell pH	CI Cor	nd. %Solid	s TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51 0.00	0.00 0.0	0 0						

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	Thazardous waste Analysis _ Trocess Knowledg	
Driver/ Agent Signature	R360 Representative	e Signature
Customer Approval	oly	$\mathcal{O}_{\mathcal{X}}^{\mathcal{X}}$
	THIS IS NOT AN INVO	DICE!
Approved By:	Date:	

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7/1/2617-111...

36	Customer: Customer # Ordered by: AFE #: PO #: Manifest #:	CRI		·		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #:				
SOLUTIONS 🧺	Ý	Manif. Date	: 7/1/	2017			Well Name:	ANGELL		
Permian Basin	Hauler:					Well #:	1			
		Driver Truck #	PAE 105				Field: Field #:			
		Card #	105				Rig:	NON-DRIL	LING	
		Job Ref #					County	LEA (NM)		
Facility: CRI										
Product / Service					Q	uantity U	nits			
Contaminated Soil (RCI	RA Exemp	it)				20.00	yards			
Cell	рН	CI Co	nd.	%Solids	TDS	PCI/GN	1 MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51	0.00	0.00 0.	00	0						

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_____ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D. as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): ______ MSDS Information ______ RCRA Hazardous Waste Analysis ______ Process Knowledge ______ Other (Provide description above)

Driver/ Agent Signature mil

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date:

R360 Representative Signature

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ENVIRONATENT SOLUTIO Permian Basin	NS AUS	50	Customer Customer Ordered b AFE #: PO #: Manifest # Manif. Dat Hauler: Driver Truck # Card # Job Ref #	#: CF y: FF : N/ e: 7/ 4E	RANK ENGILL A 1/2017 3 SERVICES I ETE	IANAN		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	700-81853 Walk-in Bic 7/1/2017 BC OPERA 37902 ANGELL 1 NON-DRILL LEA (NM)	TING, IN	C.
Facility: CRI											
Product / Serv	vice					Qu	antity U	nits			
Contaminated Soil (RCRA Exempt)					20.00 yards			yards			
	Cell	рН	CI C	ond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00 0	0.00 (.00	0						<u>_</u>

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

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Driver/ Agent Signature R360 Representative Signature

				N
Customer Approval				() ¹ ¹ ¹ ¹ ¹ ¹ ¹
	Dm.	THIS IS N	IOT AN INVOIC	E!
Approved By:	TNU		Date:	

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BAGE ANVIRONMENTAL SOLUTIONS Permian Basin			Customer: BC OPERATING, INC. Customer #: CRI1430 Ordered by: FRANK ENGILLIANA AFE #: PO #: Manifest #: NA Manif. Date: 7/1/2017 Hauler: EL TRAVIEZO TRUCKING Driver JESUS Truck # 01 Card # Job Ref #					Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field: Field #: Rig: County	37902	TING, IN	C.
Facility: CRI											
Product / Serv	/ice					Q	uantity U	nits			
Contaminated	l Soil (RC	CRA Exemp	ot)				20.00	yards			
	Cell	pH	CI	Cond.	%Solids	TDS	PCI/GN	I MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						
Generator Cel I hereby certify 1988 regulatory X RCRA Exer waste. _ RCRA Non- characteristics e: amended. The f _ MSDS Info Driver/ Agent Cuistomer Apr	that accord determina npt: Oil Fi Exempt: (stablished ollowing c rmation Signatur	ding to the R titon, the abo ield wastes g Oil field was in RCRA re- locumentatio 	esource Co ve describ enerated fi te which is gulations, on is attach	onservatio ed waste i rom oil an s non-haza 40 CFR 20 ied to dem	n and Recove s: d gas explorat rdous that doo 51.21-261.24 onstrate the a llysis Pro	tion and p es not exc or listed l bove-desc ocess Kno	roduction reed the minazardous	operations and nimum standar waste as define te is non-hazar Other (Prov	are not mixed ds for waste h d in 40 CFR, dous. (Check	i with non nazardous part 261, the approp	by subpart D, as priate items):
Customer App	proval	[-]	V					U N	\backslash		

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Approved By:	Date:	

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INVIRONMENT SOLUTIO Permian Basin	NS SUS	50	Order AFE # PO #: Manif	omer #: C red by: Fl est #: N . Date: 7/ or: D r C # 4	RANK ENGIL A	LIANA		Ticket #: Bid #: Date: Generator: Generator: Well Ser. #: Well Name: Well Name: Well Man: Field: Field #: Rig: County	37902	id ATING, IN	IC.
Facility: CRI											
Product / Serv	/ice					Q	uantity U	nits			
Contaminated	l Soil (R	CRA Exer	npt)				20.00	yards			
	Cell	pН	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						
Generator Cen I hereby certify ti 1988 regulatory X RCRA Exen waste. RCRA Non- characteristics et amended. The fi	that accord determin npt: Oil F Exempt: stablished ollowing	rding to the ation, the al field wastes Oil field w d in RCRA documenta	Resource bove descr generated aste which regulations tion is atta	Conservati ibed waste from oil a is non-haz s, 40 CFR 2 ched to der	on and Recover is: nd gas explora cardous that do 261.21-261.24	tion and p es not exc or listed l bove-des	broduction ceed the mi hazardous v cribed wast	operations and nimum standa waste as define te is non-hazar	l are not mix rds for waste ed in 40 CFR dous. (Chec	ed with nor hazardous , part 261, k the appro	h-exempt by subnart D as

_ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)
Driver/ Agent Signature R360 Representative Signature

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Customer Approval

Approved By:

Date:

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ACTOR OF AN EAR SOLUTIO Permian Basir	NS ^S act.	S	Customer: Customer # Ordered by AFE #: PO #: Manifest #: Manif. Date Hauler: Driver Truck # Card # Job Ref #	#: CRI1 1: FRA NA 9: 7/1/2	NK ENGILL 2017 UNA TRUC	IANA	.C	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	d ATING, IN	C.
Facility: CRI											
Product / Serv	vice					Qu	uantity U	nits			
Contaminated	Soil (RO	CRA Exemp	ot)				20.00	/ards			
	Cell	pН	CI Co	nd.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00 0.	.00	0						

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X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

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Driver/ Agent Signature	./	R360 Represe	ntative Signature			
Customer Approval	\mathcal{M}_{-}					
		THIS IS NOT AN I				

Approved By:	
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Date:

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SNVIRONMENT SOLUTION Permian Basir	NS NOT	50	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	CRI14 FRAN NA		LIANA	رم	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County		ating, in	C.
Facility: CRI											
Product / Serv	rice					Qu	antity U	Inits			
Contaminated	Soil (RC	CRA Exempt	t)				20.00	yards			
	Cell	pН	CI Con	d. %	Solids	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00 (0.00 0.0	0	0						

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Driver/ Agent Signature	R360 Representative Signature
Mall	fm
Customer Approval	· · · · ·

THIS IS NOT AN INVOICE!

Approved	By:		

Date: _____

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ENVIRONMENTAL SOLUTIONS	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver	FRANK ENGI NA	LLANA	E [(()))))))))))))))))	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Field:	700-81854 Walk-in Bid 7/1/2017 BC OPERA 37902 ANGELL 1	1	C.
	Truck # Card #	105			Field #:			
	Job Ref #				Rig: County	NON-DRIL LEA (NM)	LING	
Facility: CRI								
Product / Service			Qu	antity Un	its			
Contaminated Soil (RCRA Exemp	t)			20.00 y	ards			
Cell pH	CI Con	d. %Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51 0.00	0.00 0.0	0 0						

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Driver/ Agent Signature	R360 Representative Signature
follo mos	
Customer Approval	
THI	S IS NOT AN INVOICE!

Approved By:

Date: _____

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ENVIRONMENT SOLUTIO Permian Basin	NS AUSS	50	Customer: Customer # Ordered by AFE #: PO #: Manifest #: Manifest #: Manif. Date Hauler: Driver Truck # Card # Job Ref #	#: CRI :: FRA NA 9: 7/1/2	NK ENGILI 2017 SERVICES	LIANA		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Ser. #: Well Name: Well Mame: Well #: Field: Field #: Rig: County	37902	d ATING, IN	IC.
Facility: CRI											
Product / Serv	ice					Q	uantity U	nits			
Contaminated	Soil (R	CRA Exemp	t)				20.00	yards			
	Cell	pН	CI Co	nd.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00 0	.00	0						

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Driver/ Agent Signature R360 Representative Signature

Customer Approval		
() THIS IS N	IOT AN INVOICE
Approved By:	Mi	Date:

A Solutions Permian Basin	50	Custome Custome Ordered AFE #: PO #: Manifest Manif. Da Hauler: Driver Truck # Card # Job Ref #	r#:C by:Fl #:N ate:7/ E JI 0'	A A (1/2017 L TRAVIEZO ⁻ ESUS	LIANA	NG	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County		id ATING, IN LLING	IC.
Facility: CRI										
Product / Service					Q	uantity U	nits			
Contaminated Soil (RC	RA Exem	pt)				20.00	yards			
Cell	рН	CI (Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51	0.00	0.00	0.00	0						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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 _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)

- mobo momation - iccint ingzaydous waste Anal	ysis _ ribcess Kilowledge _ Oth	er (Provide description
Driver/ Agent Signature / //	R360 Representative Signatur	e
My 2	· · · · · · · · · · · · · · · · · · ·	
		<u> </u>
Customer Approval		$\mathcal{O}_{\mathcal{V}}$
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Approved I	By:
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Date:

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Bermian Basin	Customer: BC OPERATING, INC. Customer #: CRI1430 Ordered by: FRANK ENGILLIANA AFE #: PO #: Manifest #: NA Manif. Date: 7/1/2017 Hauler: DOG TRUCKING Driver CESAR Truck # 04 Card # Job Ref #	Bid #: Wa Date: 7/1 Generator: BC Generator #: Well Ser. #: 379 Well Name: AN Well #: 1 Field: Field #: Rig: NC								
Facility: CRI										
Product / Service	Quanti	y Units								
Contaminated Soil (RCRA Exemp	ot) 20	.00 yards								
Cell pH		/GM MR/HR I	H2S % Oil Weight							
Cell pH Cl Cond. % Solids TDS PCI/GM MR/HR H2S % Oil Weight Lab Analysis: 50/51 0.00 0.00 0 0 0 Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.										

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Approved By:	
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Date: _____

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	Customer:	BC OPERATI	NG, INC.	Ticket #:	700-818556	3	
1 (1997) 1 (1997) 1 (1997)	Customer #:			Bid #:	Walk-in Bid		
	Ordered by:	FRANK ENG	ILLIANA	Date:	7/1/2017		
	AFE #:			Generator:	BC OPERA	TING, IN	C.
	PO #:			Generator #			
- NERONMENTAL 🕴 🛒	Manifest #:	NA		Well Ser. #:	37902		
SOLUTIONS * STELE	Manif. Date:	7/1/2017		Well Name:	ANGELL		
Permian Basin	Hauler:	LAGUNA TRU	JCKING LLC	Well #:	1		
Perman basin	Driver	LUIS		Field:			
	Truck #	28		Field #:			
	Card #			Rig:	NON-DRIL	LING	
	Job Ref #			County	LEA (NM)		
					. ,		
Facility: CRI							
Product / Service			Qua	ntity Units			
Contaminated Soil (RCRA Exemp	t)			20.00 yards			
Cell pH	CI Con	d. %Solids	TDS F	PCI/GM MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51 0.00	0.00 0.0	0 0		· · ·			

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Driver/ Agent Signature	R	360 Representative Signature	B ¹ 1
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- Automation			4

Customer Approval

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Approved By:

Date:

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ENVIRONMENT SOLUTION Permian Basin	VS	50	Ordere AFE # PO #: Manife	mer #: CR ed by: FR : Date: 7/3 :: EL JE: # 1	ANK ENGIL	LINA	NG	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	id Rating, in Lling	IC.
Facility: CRI											
Product / Serv	ice		an tina M		er par esta Francia	Qı	antity U	nits	998-1987 - 1984 1985 - 1987 - 1987		
Contaminated	Soil (RC	RA Exem	pt)				20.00	yards			
Lab Analysis;	Cell 50	pH 0.00	CI 0.00	Cond. 0.00	%Solids	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
characteristics es amended. The fo MSDS Infor Driver/ Agent s Customer App	hat accord determina npt: Oil Fi Exempt: (tablished ollowing c mation Signatur	ding to the F tion, the about the function of	Resource (ove descr generated ste which gulations on is aftac	Conservatio ibed waste i from oil an is non-haza , 40 CFR 2(ched to dem ; Waste Ana	on and Recove is: d gas explora ardous that do 61.21-261.24 aonstrate the a alysis Pr	tion and p es not exc or listed h bove-desc ocess Knc Represer	roduction eed the m azardous ribed was wiledge itative Si	operations and inimum standar waste as define te is non-hazar Other (Pro gnature	are not mix ds for waste d in 40 CFF dous. (Chec	ted with non e hazardous k, part 261, k the approp	n-exempt suppart D, as priate items):
Approved By:						Da	ate:			•	

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7/3/2017 8:13 00 -

ENVIRONMENT SOLUTION	vs		Ordere AFE # PO #: Manife	mer #: CF ed by: FF : Date: 7/3 : DC CE # 4	ANK ENGIL	LINA		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	Bid Rating, In Illing	IC.
Facility: CRI											
Product / Serv	lce				AREAN	~~~,Q	uantity U	nits			
Contaminated Soil (RCRA Exempt) 20.00 yards											
	Cell	рН	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50	0.00	0.00	0.00	0						
Generator Cer I hereby certify ti 1988 regulatory of X RCRA Exern waste. RCRA Non- characteristics es amended. The fo MSDS Infor Driver/ Agent S	hat accord determina upt: Oil Fi Exempt: (tablished ollowing c mation Signatur	ling to the tion, the ab eld wastes Dil field wa in RCRA r locumentat RCRA e	Resource (pove descri generated aste which egulations ion is attac Hazardous	Conservation bed waste from oil and is non-haze 40 CFR 2 ched to den	on and Recover is: ad gas explorated ardous that do 61.21-261.24 nonstrate the a alysisP	tion and p res not exc or listed above-des rocess Kn	broduction ceed the mi hazardous cribed wast	operations and nimum standar waste as define te is non-hazar Other (Pro	are not mix rds for wast rd in 40 CFI dous. (Chec	ked with nor e hazardous R, part 261, ck the appro	h-exempt by subpart D, as priate items):
				THIS	IS NOT			E!	-		
Approved By:						D	ate:				

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7/3/2017 8:14

ENVIRONMENT SOLUTION	NS	50	Customer: Customer # Ordered by AFE #: PO #: Manifest #: Manif. Date Hauler: Driver Truck # Card # Job Ref #	#: CRI : FR/ NA e: 7/3/ Lun	ANK ENGIL			Ticket #: Bid #: Date: Generator: Generator # Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	id Ating, in Lling	IC.
Facility: CRI	.						n star e s				
Product / Serv		an e r	elegi betta angla 11 ta Galeriana ang angla baga Angla betta angla baga ang angla baga ang ang ang ang ang ang		fili Pitri	Q	uantity U				
Contaminated	•		• •			TDO	20.00 y				
Lab Analysis:	Cell 50	pH 0.00		nd. .00	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
waste. RCRA Non- characteristics es amended. The fe	hat accor determina npt: Oil F Exempt: stablished ollowing mation Signatu	ding to the ation, the al ield wastes Oil field wa in RCRA r documentat RCRA	Resource Conse pove described v generated from aste which is non regulations, 40 C ion is attached f Hazardous Was	ervatior vaste is oil and n-hazar CFR 26 o demo te Anal	: gas explora dous that do 1.21-261.24 onstrate the a ysis Pr R360 1	tion and p es not exc or listed I above-desc ocess Kno Represer	roduction of eed the min nazardous v cribed wast owledge ntative Sig	operations and nimum standa vaste as dețim e is non-bazai Other (Pro gnature	are not mix ds for waste ed in 40 CFF rdous. (Chec	ed with nor hazardous , part 201, k the a ppro	n-exempt by subpart D, as priate items);
		~	TH	IS I	S NOT	AN IN	IVOIC	E!		V	
Approved By:	[A	PA			Da	ate:				
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7/3/2017 8:16:46/

ENVIRONMENT SOLUTION Permian Basir	Custo Ordera AFE # PO #: Manife Manif. Haule Driver Truck Card #	Customer: BC OPERATING, INC. Customer #: CRI1430 Ordered by: FRANK ENGILLINA AFE #: PO #: Manifest #: NA Manif. Date: 7/3/2017 Hauler: 4B SERVICES LLC Driver PETE Truck # 104 Card # Job Ref #				Ticket #: 700-818833 Bid #: Walk-in Bid Date: 7/3/2017 Generator: BC OPERATING, INC. Generator: #: Well Ser. #: 37902 Well Name: ANGELL Well #: 1 Field:						
Facility: CRI												
Product / Serv	1100004910				en (1997) (n. 1997) Sen friger an an Antaran Sen friger an Antaran	Q		nits				
Contaminated	•		• •					.00 yards				
Lab Analysis:	Cell 50	pH 0.00	CI 0.00	Cond. 0.00	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight	
Generator Cerr I hereby certify tr 1988 regulatory X RCRA Exen waste. RCRA Non- characteristics es amended. The fr MSDS Infor Driver: Agent	hat accordetermin hat: Oil F Exempt: Stablished ollowing mation Signatu	ding to the ation, the ab field wastes Oil field wa t in RCRA r documentat RCRA	Resource bove descr generated aste which regulations ion is atta	Conservation ibed waste from oil ar is non-haz s, 40 CFR 2 ched to den s Waste An	on and Recover is: ad gas explora ardous that do 61.21-261.24 nonstrate the a alysisPr	tion and p es not exe or listed l bove-des ocess Kno Represe	broduction hazardous cribed was owledge htative Si	operations and nimum standa waste as define te is non-hazar Other (Pro gnature	are not mix rds for waste ed in 40 CFR dous. (Chec vide descrip	ed with nor hazardous , part 261, k the ap pro tion above)	n-exempt by subpart D, as pr iate items):	
Approved By:		<u>P</u>	NL	2			ate:				V	

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7/3/2017 9:05:00 .

ENVIRONMENTAL SOLUTIONS	Customer #: C Ordered by: F AFE #: PO #: Manifest #: N Manif. Date: 7/ Hauler: 4	RANK ENGILLINA IA /3/2017 B SERVICES LLC /ABLO	Bid #: Date: Generator: Generator # Well Ser. #:	Bid #:Walk-in BidDate:7/3/2017Generator:BC OPERATING, INC.Generator #:Well Ser. #:Well Ser. #:37902Well Name:ANGELLWell #:1Field:Field #:Field #:Rig:NON-DRILLING								
Facility: CRI												
Product / Service Quantity Units												
Contaminated Soil (RCRA Exemp	ot)		20.00 yards									
Cell pH Lab Analysis: 50 0.00	CI Cond.	%Solids TDS	PCI/GM MR/HR	H2S % C	il Weight							
Generator Certification Statemen I hereby certify that according to the R 1988 regulatory determination, the abo X RCRA Exempt: Oil Field wastes generation 	esource Conservat ve described waste enerated from oil a te which is non-ha gulations, 40 CFR on is attached to de lazardous Waste A	tion and Recovery Act (e is: and gas exploration and azardous that does not e: 261.21-261.24 or listed emonstrate the above-de nalysis Process K R360 Represe	production operations an exceed the minimum stand. I hazardous waste as defin escribed waste is non-haza nowledgeOther (Pr entative Signature	d are not mixed with ards for waste hazard aed in 40 CFR, part 2 ardous. (Check the ap	non-exempt ous uy 61, suppart D, as propriate items):							

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7/3/2017 9.06 517

ENVIRONMENTAL SOLUTIONS	PO #: Manifest #: NA				Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902			
Facility: CRI									
Product / Service			Qı	antity l	Jnits				
Contaminated Soil (RCRA Exemp	ot)			20.00	yards				
Cell pH	CI Cor		TDS	PCI/G	M MR/HR	H2S	% Oil	Weight	
Lab Analysis: 50 0.00	0.00 0.0	0 0							
Generator Certification Statemen I hereby certify that according to the R 1988 regulatory determination, the abo X RCRA Exempt: Oil Field wastes g waste. _ RCRA Non-Exempt: Oil field was characteristics established in RCRA re- amended. The following documentatio _ MSDS Information _ RCRA H Driver! Agent Signature Customer Approval	esource Conser we described w enerated from c te which is non gulations, 40 Cl on js attached to	vation and Recov aste is: bil and gas explore -hazardous that do FR 261.21-261.24 b demonstrate the e Analysis _ P	ation and p bes not exc or listed h above-desc rocess Kno	roduction eed the m azardous cribed wa owledge	i operations and iinimum standa waste as define ste is non-haza	l are not mixe rds for waste ed in 40 CFR dous (Check	ed with non hazardous , part 261, the appro	-exempt by subpart D, as priate items):	
	тн	IS IS NOT	'AN IN	1VOI	CE!				
Approved By:			Da	ate:					

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Permian Basin		Custor Ordere AFE # PO #: Manife Manif. Hauler Driver Truck : Card #	Customer: BC OPERATING, IN Customer #: CRI1430 Ordered by: FRANK ENGILLINA AFE #: PO #: Manifest #: NA Manif. Date: 7/3/2017 Hauler: DOG TRUCKING Driver CESAR Truck # 4 Card # Job Ref #				Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Mame: Well #: Field: Field #: Rig: County	37902			
Facility: CRI											
Product / Serv	ice					Q	uantity U	nits		an a	
Contaminated	Soil (RC	CRA Exen	npt)				20.00	yards			
	Cell	рН	CI	Cond		TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						
Generator Cer I hereby certify ti 1988 regulatory of X RCRA Exem waste. 	hat accord determina upt: Oil Fi Exempt: 0 tablished ollowing of mation Signatur	ding to the attion, the al ield wastes Oil field wastes in RCRA i documenta RCRA	Resource C bove descri generated aste which i regulations, tion is attac	Conserva bed wast from oil is non-ha 40 CFR hed to d	tion and Recove ie is: and gas explora azardous that do 261.21-261.24 emonstrate the a analysis _ Pr	tion and p es not exc or listed h bove-desc ocess Kno	roduction of reed the minazardous v cribed wast	operations and nimum standar waste as define te is non-hazar Other (Pro	are not mix ds for waste d n 40 CFF dous. (Chec	ed with nor e hazardous R, part 201, k the appro	exempt by subpart D, as priate items):
a attention of the		an tao mbi			a de Maria de Chila.			hter for suidel 	ut ana inter-		
				THIS	IS NOT	AN IN	VOIC	E!		V	
Approved By:						Da	ate:			•	

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ENVIRONMENTA SOLUTION Permian Basin	VS	50	Ordere AFE # PO #: Manife	mer #: C ed by: Fl : Date: 7/ r: L O # 28	A A 3/2017 AGUNA TRUG SBALDO	LINA	LC	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	id Ating, in Lling	IC.
Facility: CRI											
Product / Serv	lce				t an	Q	uantity U	nits			
Contaminated	Soil (R	CRA Exen	npt)				20.00	yards			
Lab Analysis:	Cell 16	pH 0.00	CI 0.00	Cond. 0.00	%Solids	TDS	PCI/GN	1 MR/HR	H2S	% Oil	Weight
characteristics es amended. The fo MSDS Infor Driver/ Agent S Customer App	hat acco determir pt: Oil I Exempt: tablishe ollowing mation Signatu	rding to the lation, the al Field wastes Oil field w d in RCRA documenta _ RCRA	Resource (bove descri generated aste which regulations tion is attac	Conservati ibed waste from oil a is non-haz , 40 CFR : ched to de s Waste Ar	ion and Recove is: nd gas explora zardous that do 261.21-261.24 monstrate the a nalysis Pr	tion and p or listed above-des occess Kn Represe	cred the mi hazardous cribed was owledge ntative Si	operations and inimum standau waste as define te is non-hazar Other (Pro gnature	are not mix rds for waste ed in 40 CFR dous. (Checl	ed with nor hazardous 2, part 261, k the appro	n-exempt by subpart D, as priate items):
Approved By:		100	17-			D	ate:				

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Permian Basin		Ordere AFE #: PO #: Manife	ner #: CF d by: FF St #: NA Date: 7/3 : 4E PE # 10	ANK ENGIL 3/2017 3/2017 5 SERVICES	LINA		Ticket #: Bid #: Date: Generator: Generator # Well Ser. #: Well Name: Well #: Field #: Field #: Rig: County	37902			
Facility: CRI											
Product / Serv	ice				REALE	Q	uantity U	nits			
Contaminated	Soil (R	CRA Exer	npt)				20.00 y	vards			
	Cell	pH	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50	0.00	0.00	0.00	0					0	
Generator Cer I hereby certify t 1988 regulatory X RCRA Exen waste. RCRA Non- characteristics es amended. The fo MSDS Infor Driver/ Agent s	hat accord determin apt: Oil F Exempt: tablished bllowing mation	rding to the ation, the a Yield wastes Oil field w l in RCRA documenta RCRA	Resource C bove descril generated f aste which i regulations, tion is attack	Conservation bed waste from oil ar s non-haze 40 CFR 2 hed to den	on and Recover is: ad gas explora ardous that do 61.21-261.24 nonstrate the a alysis Pr	tion and p es not exc or listed l above-desc rocess Kno	broduction of seed the min nazardous w cribed wast	operations and nimum standa vaste as define e is non-hazan Other (Pro	l are not mix rds for waste ed in 40 CFF rdous. (Chec	ed with nor hazardous R, part 261, k the appro	n-exempt s by subpart D, as ppriate items);
Customer App	roval	200 E 1		THIS	IS NOT	AN IN	VOIC	E!	an a		
Approved By:		ſ,	nns			D	ate:				\bigcup

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7/3/2017 11:14 956

PR3600 ENVIRONMENTAL SOLUTIONS	Customer #: Ci Ordered by: Fl AFE #: PO #: Manifest #: N/ Manif. Date: 7/ Hauler: 4E	A 3/2017 3 SERVICES LLC ABLO	:. Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902				
Facility: CRI								
Product / Service			Quantity Units					
Contaminated Soil (RCRA Exempt	t)		20.00 yards					
	CI Cond.	%Solids TDS	PCI/GM MR/HR	H2S	% Oil	Weight		
Generator Certification Statement I hereby certify that according to the Re 1988 regulatory determination, the abov X RCRA Exempt: Oil Field wastes get waste. RCRA Non-Exempt: Oil field waste characteristics established in RCRA regulation MSDS Information RCRA Ha Driver Agent Signature MMMMMMM Customer Approval	source Conservation of described wasted nerated from oil and which is non-haz ulations, 40 CFR 2 n is attached to der	on and Recovery Act (is: nd gas exploration and ardous that does not e: 61.21-261.24 or listed nonstrate the above-de alysis Process K	production operations and xceed the minimum standar I hazardous waste as define scribed waste is non-hazar	are not mix ds for waste d in 40 CFR dous (Checi	ed with/nor e hazardous 3, part 261, k the appro	n-exempt by subpart D, as priate items):		
			n ar sinn a saor na marina an a	data (anti-shakatiya g)	19 ma eta 🚺 -			
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ENVIRONMENTA SOLUTION Permian Basin	IS S	50	Custome Custome Ordered AFE #: PO #: Manifest Manif. D Hauler: Driver Truck # Card # Job Ref	er #: CF by: FF ate: 7/3 EL JE 1	ANK ENGILL	INA	٨G	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Mame: Well #: Field: Field #: Rig: County		d ATING, IN	C.
Facility: CRI											
Product / Serv	ice					Q	uantity L	Inits			
Contaminated	Soil (RC	RA Exemp	ot)				20.00	yards			
	Cell	pН	CI	Cond.	%Solids	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						
Generator Cer I hereby certify t 1988 regulatory X RCRA Exem waste. 	hat accord determina npt: Oil Fi Exempt: (stablished ollowing c mation Signatur	ling to the R tion, the abc eld wastes g Dil field was in RCRA re locumentatio	esource Co ove describe enerated fr te which is gulations, 4 on is attach	onservati ed waste om oil a non-haz 40 CFR 2 ed to dei	on and Recover is: and gas explorat eardous that doe 261.21-261.24 nonstrate the a alysis Pro	ion and p es not exc or listed f bove-desc ocess Kno	roduction eed the m nazardous cribed was owledge	operations and inimum standa waste as define	are not mixe rds for waste ed in 46 CFR dous. (Checl	ed with nor hazardous , part 201, k the appro	n-exempt by subpart D, as priate items):

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Date:

Approved By:

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ENVIRONMENTAL SOLUTIONS	AFE #: PO #:	FRANK ENGIL	LNA	Bid Da Ge Ge We Fie Fie Rig	te: nerator: nerator #: ell Ser. #: ell Name: ell #: eld: ild #:		d ATING, IN	ſĊ.
Facility: CRI								
Product / Service			Qua	ntity Units) 1 1			
Contaminated Soil (RCRA Exemp	ot)			20.00 yaro	ds			
Cell pH	CI Con		TDS I	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50 0.00	0.00 0.0	0 0					0	
Generator Certification Statemen I hereby certify that according to the R 1988 regulatory determination, the abo X RCRA Exempt: Oil Field wastes gr waste. 	esource Conserv ve described wa enerated from oi te which is non-l gulations, 40 CF n is attached to azardous Waste	ation and Recoverse is: 1 and gas explored hazardous that dc R 261.21-261.24 demonstrate the a AnalysisP	ery Act (RCF ation and pro- bes not excee or listed haz above-descri rocess Know Representa	duction oper d the minim zardous wast bed waste is ledge ative Signa	rations and um standar e as define non-hazar Other (Pro- t ure	are not mixe ds for waste d in 40 CFR dous. (Ch ee t	ed with non hazardous , part 261, s	h-exempt by subpart D, as priate items);
Approved By:			Date	9:				۷

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ENVIRONMENTAL SOLUTIONS Permian Basin	Customer #: CRI1 Ordered by: FRAI AFE #: PO #: Manifest #: NA Manif. Date: 7/3/2 Hauler: LAG	NK ENGILLINA	LC	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	ΓING, IN(C.
Facility: CRI							
Product / Service		Q	uantity U	nits			
Contaminated Soil (RCRA Exemp	:)		20.00	yards			
Cell pH		%Solids TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50 0.00	0.00 0.00	0			A destruction		
Generator Certification Statemen I hereby certify that according to the Re 1988 regulatory determination, the abo X RCRA Exempt: Oil Field wastes ge waste. 	source Conservation e described waste is: nerated from oil and g which is non-hazard ulations, 40 CFR 261	gas exploration and p ous that does not exc .21-261.24 or listed h nstrate the above-desc	roduction of eed the min nazardous v cribed wast owledge	operations and nimum standar vaste as define e is non-hazar Other (Prov	are not mixed ds for waste h d in 40 CFR, p dous. (Check t	with non- azardous l part 261, s he approp	-exempt
Customer Approval					n Hangara Tir kangana Langara		K
	THIS IS	S NOT AN IN	VOIC	E!			
Approved By:	WA	D;	ate:				V

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ENVIRONMENT SOLUTION	vs 😽	50	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	CR FR/ NA 7/3/ PJF	ANK ENGILL	INA		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	d ATING, IN	C.
Facility: CRI											
Product / Serv	ice					Q	uantity U	nits			
Contaminated	Soil (R	CRA Exemp	t)				20.00	yards			
	Cell	pН	Cl Cor	nd.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00 0.0	00	0						
Generator Cer I hereby certify t	ふくやくひん	ふうして かいごうう てんしき		5 See 5 S		y Act (R	CRA) and	the US Enviro	onmental Pro	tection Age	ency's July

1988 regulatory determination, the above described waste is: \underline{X} RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

	Hazardous Waste Analysis _ F	rocess Knowledge	Other (Provide description at	ove)
Driver/ Agent Signature	R360	Representative Sign	ature	\sim /
	WAT			\backslash
Customer Approval				X
J	THIS IS NOT	AN INVOICE	:I	
Approved By:		Date:		y

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ENVIRONMENT SOLUTION	NS S	50	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	CR FR/ NA 7/3/ 4B	ANK ENGIL 2017 SERVICES BLO	LINA		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	d ATING, IN	IC.	
Facility: CRI												
Product / Serv	lce					Q	uantity U	nits				
Contaminated	Soil (R	CRA Exem	pt)				20.00	yards				
	Cell	pН	CI Con		%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight	
Lab Analysis:	50	0.00	0.00 0.0	U	0							
I hereby certify t 1988 regulatory X RCRA Exem waste. RCRA Non- characteristics es amended. The fo MSDS Infor	Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous/Waste Analysis _ Process Knowledge Other (Provide description above) Driver/ Agent Signature R360 Representative Signature											
Customer App	roval		\smile									
			THI	S I	S NOT	AN II	VOIC	E!	/			
Approved By:						D	ate:					

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7/3/2017 2.08.4

ENVIRONMENTAL SOLUTIONS Permian Basin			Ordered by: AFE #: PO #: Manifest #:	er #: CRI1430 d by: FRANK ENGILLINA st #: NA Date: 7/3/2017 EL TRAVIEZO TRUCKING JESUS 1			Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902		
Facility: CRI										
Product / Serv	lce				C	uantity U	nits			
Contaminated	Soil (R	CRA Exemp	ot)			20.00	yards			
	Cell	pH	CI Cor		ids TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00 0.0	0 0						
Generator Cert I hereby certify th 1988 regulatory or X RCRA Exem waste. RCRA Non-I characteristics est amended. The fo MSDS Inforn Driver/ Agent S Customer Appp	hat accord determina pt: Oil F Exempt: (tablished illowing of mation	ding to the R tition, the abo ield wastes g Oil field wass in RCRA reg documentation RCRA H	esource Conser ve described w enerated from c te which is non- gulations, 40 Cl n is attached to	vation and R aste is: bil and gas ex bazardous th FR 261.21-26 demonstrate Analysis	ploration and nat does not ex 51.24 or listed	broduction ceed the mi hazardous cribed was owledge	operations and nimum standar waste as define te is non-hazar Other (Prov	are not mixe ds for waste d in 40 CFR, dous (Check	d with non hazardous part 261, s	-exempt
		0 (Тн	S IS NO	OT AN II	VOIC	E!		Â	
Approved By:					_ D	ate:		\sim	J	
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ENVIRONMENT SOLUTION Permian Basir	vs	50	Customer: Customer # Ordered by AFE #: PO #: Manifest #: Manif. Date Hauler: Driver Truck # Card # Job Ref #	E CRI FRA NA 7/3/ LAC	ANK ENGIL	LINA	_C	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	d Ating, in	C.
Facility: CRI		•									
Product / Serv	ice					Q	uantity U	nits	e de la		
Contaminated	Soil (R	CRA Exem	pt)				20.00	yards			
	Cell	рН	CI Co	nd.	%Solids	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00 0	.00	0						
Generator Cer	er san - san	Alter and the state	and the second second	1111010-00	지않아 비행한 것 안 가	m Act (D	(DA) and	the US Enviro	nmantal Dec	tation A~	anovia Iula

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

Maste.
 _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
 _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Previde description above)

	- KCRA Hazardous wasie Analysis		gnature
			/ \
Customer Approval			
	THIS IS I	NOT AN INVOIC	E!
Approved By:	TAND	Date:	

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7/3/2017 3:46 ---

ENVIRONMENT SOLUTIO	NS MS	50	Customer Customer Ordered I AFE #: PO #: Manife Da Hauler: Driver Truck # Card # Job Ref #	r #: CI by: Ff #: N/ tte: 7/: CI CI 4	RANK ENGIL A	LINA		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	id ATING, II	NC.
Facility: CRI											
Product / Service Contaminated						Q	uantity U				
Containinateu	•						20.00 y				
Lab Analysis:	Cell 50	pH 0.00		ond. 0.00	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Generator Cer I hereby certify ti 1988 regulatory X RCRA Exen waste. RCRA Non- characteristics es amended. The for MSDS Infor Driver/ Agent for Customer App Approved By:	that accorr determina npt: Oil F Exempt: stablished ollowing or mation Signatur	ding to the F tition, the abo ield wastes g Oil field was in RCRA re locumentation RCRA F	Resource Composed described generated from ste which is n gulations, 40 on is attached Hazardous Wa	servatio waste n oil an on-haza CFR 2 to den iste Ana	on and Recove is: ad gas explorat ardous that doo 61.21-261.24 nonstrate the al alysis Pro	tion and p es not exc or listed h bove-desc ocess Kno Represen	roduction of eed the min azardous v ribed wast wledge tative Sig	pperations and nimum standar vaste as define e is non-hazar Other (Prov ynature	are not mixe ds for waste d in 40 CFR	ed with nor hazardous , part 261,	n-exempt by suppart D, as

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7/3/2017 3 4.1

		2	Custor	ner: I	BC OPERATIN	IG, INC.		Ticket #:	700-81893	36	
· · ·		1 2	Custor	ner #: (CRI1430			Bid #:	Walk-in B	id	
			Ordere	d by: I	FRANK ENGI	LINA		Date:	7/3/2017		
	517		AFE #:					Generator:	BC OPER	ATING. IN	IC.
			PO #:					Generator #		,	
ENVIRONMENT.	AL		Manife	st#:	NA			Well Ser. #:			
SOLUTIO	VS beg		Manif.	Date:	7/3/2017			Well Name:			
			Hauler	:	PJR TRUCKIN	IG		Well #:	1		
Permian Basin	1		Driver		MARTIN			Field:			
			Truck a		1			Field #:			
			Card #					Rig:	NON-DRI	LLING	
			Job Re	ef#				County	LEA (NM)		
Facility: CRI											
Product / Serv	ice					Q	uantity U	nits			
Contaminated	Soil (R	CRA Exem	ipt)				20.00	yards			
	Cell	pН	CI	Cond	. %Solids	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						
	un ens	und in signature		source.				the second to the	ر د روز میداری دهم		

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

Driver/ Agent Signature		60 Representative Sig		
	\square			A
Customer Approval		na serie de la composición de la compos La composición de la c		
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Approved By:

Date:

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7/3/2017 8:52 4

ENVIRONMENT SOLUTION Permian Basin	VS ME	50	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	CRI14 FRANK NA 7/3/20	K ENGILLI 17 RVICES L	NA		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field #: Rig: County	37902	i Ting, in	C.
Facility: CRI											
Product / Serv	ice					Qu	antity U	nits			
Contaminated	Soil (R	CRA Exemp	t)				20.00	yards			
	Cell	рН	Cl Con	d. %	Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00 0.0	0	0						
Generator Cer I hereby certify the	gazin Neezon	nestino est o color o to			nd Recovery	Act (RO	CRA) and	the US Enviro	onmental Prot	ection Age	ency's July

1988 regulatory determination, the above described waste is: \underline{X} RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR part/261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)

Driver/ Agent Signature R360 Representative Signature **Customer Approval**

THIS IS NOT AN INVOICE!

Approved By:

Date:

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7/3/2017 4.4.

ENVIRONMENT SOLUTION Permian Basir	vs 😽	6 0	Ordere AFE #: PO #: Manife	ner #: C d by: F st #: N Date: 7/ E JI # 1	RANK ENGIL A /5/2017 L TRAVIEZO ESUS	LINA	NG	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	Bid Rating, In Illing	IC.
Facility: CRI											
Product / Serv	lce					Q	uantity U	nits			
Contaminated	Soil (RC	RA Exemp	ot)				20.00 y	ards			
	Cell	pН	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						
Generator Cert I hereby certify th 1988 regulatory of X RCRA Exem waste. RCRA Non-F characteristics est amended. The fo MSDS Inforr Driver/ Agent S	lat accord leterminat pt: Oil Fié Exempt: C lablished i llowing d nation ignature	ing to the R ion, the abo Id wastes go il field wast n RCRA reg ocumentatio _ RCRA H	esource Cove describ enerated fine which is gulations, a p is attach	onservati ed waste com oil an non-haz 40 CFR 2 ed to der	on and Recove is: and gas explorat ardous that dou 261.21-261.24 nonstrate the a alysis Pro	tion and p es not exc or listed h bove-desc ocess Kno	roduction o eed the min azardous w ribed waste	perations and a nimum standard vaste as defined e is non-hazard _ Other (Prov	are not mix ls for waste l in 40 CFF	ed with non hazardous , part 261, s	l-exempt
Customer Appr	oval	JU	9. de 19. de 19. de 19. de		1943년 1981 - Charles Martines (1997)					\neg	
			٦	THIS	IS NOT	AN IN	IVOIC	E!			
Approved By:				<u>.</u>		Da	te:			\bigvee	/

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7/5/2017 8 10 -----

ENVIRONMENT SOLUTIO	INS C	50	Custome Custome Ordered AFE #: PO #: Manifest Manif. D Hauler: Driver Truck # Card # Job Ref	er #: CI by: FF b	RANK ENGIL A	LINA.		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field: Field #: Rig: County	37902	d ATING, II	NC.
Facility: CRI											
Product / Serv							uantity U	nits			
Contaminated	l Soil (R	CRA Exen	npt)				20.00	/ards			
Lab Analysis:	Cell	pH 0.00		Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Las Allalysis.	50	0.00	0.00	0.00	0				-		
Generator Cer I hereby certify f 1988 regulatory X RCRA Exen waste. 	that accord determin mpt: Oil F Exempt: stablished ollowing mation Signatu	ding to the ation, the ab ield wastes Oil field wa in RCRA r documentat RCRA re	Resource Co pove describe generated fro iste which is i egulations, 40 ion is attache Hazardous W	nservatio d waste om oil an non-haze 0 CFR 2 d to den /aste Ana	n and Recove is: d gas explora ardous that do 61.21-261.24 ionstrate the a ulysis Pr R360 F	tion and p es not exc or listed h bove-desc ocess Kno Represer	roduction of eed the min nazardous v cribed wast owledge ntative Sig	pperations and nimum standar vaste as define e is non-hazaro Other (Prov	are not mixe ds for waste d in 40 CFR,	d with nor hazardous part 201,	n-exempt s by subpart D, as
oustoinei App	NUVAI							na staf El	\smile		
								L .:			/
Approved By:						Da	ate:			•	

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7/5/2017 8000

Solution Permian Basir	vs N _e s	50	Custon Custon Ordere AFE #: PO #: Manife Hauler: Driver Truck # Card # Job Re	ner #: d by: st #: Date:	CRI FRA NA 7/5/2	NK ENGAI 2017 GUNA TRUC	LINA	LC	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	ATING, IN	C.
Facility: CRI												
Product / Serv	ice						Q	uantity U	nits			
Contaminated	Soil (R	CRA Exem	pt)					20.00	yards			
	Cell	рН	CI	Con	d.	%Solids	TDS	PCI/GN	1 MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.0	0	0		1				
Generator Cer I hereby certify t 1988 regulatory X RCRA Exen waste.	hat acco determir 1pt: Oil I	rding to the F ation, the abo Field wastes g	esource C ove descril generated f	conserv bed wa from oi	ation ste is l and	: gas explora	tion and p	roduction		are not mixe	d with nor	-exempt

_____ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): ______ MSDS Information ______ RCRA Hazardous Waste Analysis ______ Process Knowledge ______ Other (Provide description above)

Driver/ Agent Signature	R360 Representative Signature
Hural	, N
Customer Approval	

THIS IS NOT AN INVOICE!

Approved By:

Date:

16UJ9A09TSTF

7/6/264 - E

Customer: BC OPERATING, INC. Ticket #: 700-819253 Customer #: CR11430 Bid #: Walk-in Bid Ordered by: FRANK ENGILLINA Date: 715/2017 AFE #: Pomerator: BC OPERATING, Generator: BC OPERATING, Generator: BC OPERATING, Generator: Po #: Generator: BC OPERATING, Methods Well Ser. #: 37902 Manifest #: NA Well Ser. #: 37902 Manif. Date: 7/5/2017 Well Name: ANGELL Manif. Date: 7/5/2017 Well Name: ANGELL Hauler: 4B SERVICES LLC Well #: 1 Driver PABLO Field: Truck # 105 Truck # 105 Field #: County LEA (NM) Facility: CRI Product / Service Quantity Units County LEA (NM) Facility: CRI 20.00 yards 20.00 yards 20.00 yards Cell pH Cl Cond. % Solids TDS PCI/GM MR/HR H2S % Oil Lab Analysis: 50/51 0.00 0.00 <th>d ATING, IN</th> <th>VC.</th>	d ATING, IN	VC.									
Facility: CRI											
Product / Ser	vice					Q	uantity U	nits			
Contaminated	I Soil (RO	CRA Exem	pt)				20.00	/ards			
		<u> </u>			%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						
I hereby certify t 1988 regulatory X RCRA Exen waste.	that accord determina npt: Oil Fi Exempt: (stablished ollowing c rmation Signatur	ting to the R tion, the abo eld wastes g Dil field was in RCRA re locumentatio RCRA H	esource Con ove described enerated fror te which is n gulations, 40 on is attached	servation waste is n oil and on-hazan CFR 26 to demo	n and Recove s: I gas explora rdous that do 1.21-261.24 onstrate the a lysis Pr	tion and p es not exc or listed h bove-desc ocess Kno	roduction of eed the min azardous v cribed wast	operations and nimum standar vaste as defined e is non-hazaro Other (Prov	are not mixe ds for waste d in 40 CFR lous (Check	d with non hazardous part 261, the approx	exempt by subpart D, as
			TI		C NOT			∨、			

THIS IS NOT AN INVOICE!

Approved By:

Date:

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ENVIRONMENTAL SOLUTIONS	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	FRANK ENGILI	_INA	NG	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	I ATING, IN	C.
Facility: CRI								
Product / Service		建的建筑中心	Q	uantity L				
Contaminated Soil (RCRA Exem	npt)			20.00				
Cell pH Lab Analysis: 50 0.00	CI Cor 0.00 0.1	nd. %Solids	TDS	PCI/G	MR/HR	H2S	% Oil	Weight
Generator Certification Statemer I hereby certify that according to the 1988 regulatory determination, the at X RCRA Exempt: Oil Field wastes waste. _ RCRA Non-Exempt: Oil field wastes characteristics established in RCRA from amended. The following documental _ MSDS Information _ RCRA Driver/ Agent Signature Customer Approval	Resource Conserved described was generated from a stee which is non egulations, 40 C Son is attached to Hazardous Wast	rvation and Recover vaste is: oil and gas explora h-hazardous that do FR 261.21-261.24 o demonstrate the a e Analysis Pr	tion and p es not exc or listed libove-des occess Km. Represe	production hazardous cribed wa owledge ntative S	operations and inimum standa waste as defind ste is non-haza Other (Pro ignature	l are not mixe rds for waste ed in 40 CFR dous. (Check	hazardous , part 261, < the appro	by by bpart D, as priate items):
Аррголеа ву:			U	ale.				

t6UJ9A00T621

7/5/2017 10 6.1 -

BOLUTIONS Permian Basin	Customer: BC OPERATING, INC. Customer#: CRI1430 Ordered by: FRANK ENGILLIANA AFE #: PO #: Manifest #: NA Manif. Date: 7/5/2017 Hauler: DOG TRUCKING Driver CESAR Truck # 4 Card # Job Ref #	Ticket #:700-819280Bid #:Walk-in BidDate:7/5/2017Generator:BC OPERATING, INC.Generator #:Well Ser. #:Well Ser. #:37902Well Name:ANGELLWell #:1Field:Field!Field #:Rig:NON-DRILLINGCountyLEA (NM)
Facility: CRI		
Product / Service	Quantity L	nits
Contaminated Soil (RCRA Exempt	t) 20.00	yards
	CI Cond. %Solids TDS PCI/GN	1 MR/HR H2S % Oil Weight
Lab Analysis: 50/51 0.00 (0.00 0.00 0	
1988 regulatory determination, the abov X RCRA Exempt: Oil Field wastes get waste. RCRA Non-Exempt: Oil field waste characteristics established in RCRA reg	source Conservation and Recovery Act (RCRA) and re described waste is: nerated from oil and gas exploration and production e which is non-hazardous that does not exceed the m ulations, 40 CFR 261.21-261.24 or listed hazardous n is attached to demonstrate the above-described was	operations and are not mixed with non-exempt inimum standards for waste hazardous by waste as defined in 40 CFR, part 261, subpart D, as te is non-hazardous. (Check the appropriate items): Other (Provide description above) gnature

Date: _____

16UJ9A00T622

Approved By: _____

7/5/2017 (-)

ENVIRONMENT SOLUTIO	NS S	50	Customer: Customer Ordered by AFE #: PO #: Manifest # Manif. Date Hauler: Driver Truck # Card # Job Ref #	#: C /: FI : N. e: 7/ L/	A 5/2017 AGUNA TRUC UGO	LINA	LC	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	id Rating, in Lling	IC.
Facility: CRI											
Product / Serv	vice					Q	uantity U	nits			
Contaminated	Soil (RC	RA Exemp	t)				20.00	yards			
	Cell	pН	CI Co	ond.	%Solids	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00 0	.00	0					•	
Generator Cer I hereby certify t 1988 regulatory X RCRA Exen waste. RCRA Non- characteristics es amended. The f MSDS Infor Driver/ Agent 3 Customer App Approved By:	hat accord determina apt: Oil Fi Exempt: (stablished bllowing d mation Signatur	ling to the Ret tion, the above eld wastes ge Dil field wast in RCRA reg ocumentation RCRA Ha	esource Conse ve described of nerated from e which is no ulations, 40 (n is attached nazardous Was	ervati waste oil an n-haz CFR 2 to der te An	on and Recove is: and gas explorat ardous that doo 261.21-261.24 nonstrate the a alysis Pro	tion and p es not exc or listed l bove-des ocess Kn Represer	roduction eed the mi azardous cribed was owledge stative Si	operations and nimum standar waste as define te is non-hazard Other (Proy gnature	are not mixed ds for waste d in 40 CFR	ed with non hazardous , part 261, k the approx	n-exempt by subpart D, as

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7/5/2017 11:25

ANVIRONMENTAL SOLUTIONS Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	FRANK ENGI	LLIANA		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County		I ATING, IN	IC.
Facility: CRI								
Product / Service			Qı	uantity U	nits			
Contaminated Soil (RCRA Exer	npt)			20.00 y	yards			
Cell pH	CI Cor	id. %Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51 0.00	0.00 0.0	0 0						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

____ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D. as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _____ MSDS Information _____ RCRA Hazardous Waste Analysis _____ Process Knowledge ______ Other (Provide description above)

Driver/ Agent Signature R360 Representative Signature Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date:

16UJ9A00T63E

7/5/2: -----

Well Name: Well #: Field: Field #: Rig: County	37902 ANGELL 1 NON-DRIL LEA (NM)	LING	
	LIDE	% Oil	Weight
	112.5	76 Oli	weight
n operations and ninimum standa s waste as define aste is non-hazar	l are not mixe rds for waste ed in 40 CFR rdous. (Check	ed with nor hazardous , part 261, < the appro	n-exempt by subpart D, as priate items):
	Field #: Rig: County Units Dyards M MR/HR d the US Envire n operations and ninimum standa s waste as define aste is non-hazar Other (Pro Signature	Field #: Rig: NON-DRIL County LEA (NM) Units D yards M MR/HR H2S d the US Environmental Pro n operations and are not mixed ninimum standards for waste s waste as defined in 40 CFR aste is non-hazardous. (Checl Other (Provide descript Signature	Field #: Rig: NON-DRILLING County LEA (NM) Units D yards M MR/HR H2S % Oil d the US Environmental Protection Ag n operations and are not mixed with nor ninimum standards for waste hazardous s waste as defined in 40 CFR, part 261, aste is non-hazardous. (Check the appro _ Other (Provide description above) Signature

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7/5/2017 1 B

BASIC CONTRACTOR			Ordere AFE # PO #: Manife Manif. Hauler Driver Truck : Card #	Customer #: CRI1430 Ordered by: FRANK ENGILLINA AFE #: PO #: Manifest #: NA Manif. Date: 7/5/2017 Hauler: DOG TRUCKING						700-819306 Walk-in Bid 7/5/2017 r: BC OPERATING, INC. r#: #: 37902 e: ANGELL 1 NON-DRILLING LEA (NM)				
Facility: CRI														
Product / Serv	/ice						Q	uantity U	nits					
Contaminated	l Soil (RC	RA Exen	npt)	pt)				20.00 y	20.00 yards					
	Cell	pН	CI	Cond		%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight		
Lab Analysis:	50/51	0.00	0.00	0.0	0	0								
Generator Cei I hereby certify ti 1988 regulatory X RCRA Exen waste. 	that accord determina npt: Oil Fi Exempt: O stablished ollowing d rmation Signatur	ling to the tion, the al- eld wastes Dil field wa in RCRA r locumentat RCRA	Resource C oove descri generated aste which egulations, ion is attac	Conserv bed wa from oi is non-l 40 CF hed to	vation ste is: il and hazard R 261 demor	gas explorations that do .21-261.24 https://www.commons.com/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/actions/ac	ation and p bes not exc or listed l above-des rocess Kn	roduction of seed the min nazardous v cribed wast	operations and nimum standau waste as define e is non-hazar Other (Pro	are not mixe rds for waste ed in 40 CFR dous. (Check	ed with nor hazardous , part 261, c the appro	n-exempt s by subpart D, as opriate items):		
Customer App	oroval								1 h					

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Approved By:

Date:

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ENVIRONMENTAL SOLUTIONS	Customer: BC OPERATING, INC. Customer #: CRI1430 Ordered by: FRANK ENGILLINA AFE #: PO #: Manifest #: NA Manif. Date: 7/5/2017 Hauler: 4B SERVICES LLC Driver PETE Truck # 104 Card # Job Ref #				Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Ser. #: Well #: Field #: Field #: Rig: County	37902				
Facility: CRI										
Product / Service		•			Qu		nits			
Contaminated Soil (RC	RA Exemp				700	20.00	•	H2S	% Oil	Weight
Cell Lab Analysis: 50	pH 0.00		ond.	%Solids	TDS	PCI/GN		H23	76 011	weight
Generator Certification I hereby certify that accord 1988 regulatory determina X RCRA Exempt: Oil F waste. RCRA Non-Exempt: characteristics established amended. The following MSDS Information Driver/ Agent Signatu	ding to the R tition, the abo ield wastes g Oil field was in RCRA re documentatio RCRA F re	esource Cons we described enerated from te which is no gulations, 40	ervati waste on-ha: CFR to de ste An	on and Recove is: nd gas explora zardous that do 261.21-261.24 monstrate the a nalysis Pr R360 F	tion and p es not exc or listed h bove-desc cocess Kno	roduction eed the m nazardous cribed was owledge	operations and inimum standa waste as defin ste is non-haza	d are not mixe ards for waste ed in 40 CFR rdous. (Chec	ed with nor hazardous , part 261, k/the appro	n-exempt subpart D, as priate tems):
Customer Approval							~ = 1			V
Approved By:	0		HIS	IS NOT		ate:	CE!		-	Ţ

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7/5/2017 143 -

BOLUTIONS ENVIRONMENTAL SOLUTIONS	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	FRANK ENGLILLIAN	Bid #: A Date: Generator: Generator #:	37902
Facility: CRI				
Product / Service			Quantity Units	
Contaminated Soil (RCRA Exemp	t)		20.00 yards	
Cell pH	CI Con		PCI/GM MR/HR	H2S % Oil Weight
Lab Analysis: 50/51 0.00	0.00 0.0	0 0		

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

 \underline{X} RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

____ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _____ MSDS Information ____ RCRA Hazardous Waste Analysis _____ Process Knowledge _____ Other (Provide description above)

	outer (i to the description
Driver/ Agent Signature	R360 Representative Signature
Scho met	\sim
1000 FOR	[] []
Customer Approval	\sim 1

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Approved By:

Date:

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7/5/201

ENVIRONMENTAL SOLUTIONS			Ordere AFE #: PO #: Manifes	ner#: C d by: F st#: N Date: 7 C e 4	SC OPERATIN SRI1430 RANK ENGIL IA /5/2017 DOG TRUCKIN SESAR	LINA		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902			
Facility: CRI												
Product / Serv	lce					Q	uantity U	nits				
Contaminated	Soil (RC	RA Exem	pt)				20.00	/ards				
	Cell	рН	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight	
Lab Analysis:	50	0.00	0.00	0.00	N/A					0		
Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt												
			-	THIS	IS NOT	AN IN	IVOIC	E!		N		
Approved By: Data								Date:				

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7/5/2017 01-1

3	50	Customer: Customer # Ordered by: AFE #: PO #:	: CRI FRA		,		Ticket #: Bid #: Date: Generator: Generator #:	700-819334 Walk-in Bid 7/5/2017 BC OPERATING, INC. t:			
CENTROMMENT SOLUTION	~. L	G ^{ar}	Manifest #: Manif. Date		NA 7/5/2017			Well Ser. #: 37902 Well Name: ANGELL			
Permian Basin	ermian Basin Hauler: Driver Truck #				TRAVIEZO 1 US	FRUCKIN	IG	Well #: 1 Field: Field #:			
			Card # Job Ref #					Rig: County	NON-DRIL LEA (NM)	LING	
Facility: CRI											
Product / Servi	ice					Qu	antity U	nits			
Contaminated Soil (RCRA Exempt)							20.00	yards			
1 - 6 . 6	Cell		CI Co		%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00 (0.00 0.	00	0						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

____ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D. as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
 ____ MSDS Information _____ RCRA Hazardous Waste Analysis _____ Process Knowledge _____ Other (Provide description above)

MSDS InformationKRA Hazardous waste Analysi	s Process Knowledge Other (Provide description a
Driver/ Agent Signature //	R360 Representative Signature
KUNAK	
Customer Approval	
U THIS IS	NOT AN INVOICE!

Approved By:

Date: _____

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ENVIRONMENTAL SOLUTIONS			Customer: Customer Ordered b AFE #: PO #: Manifest # Manif. Dat Hauler: Driver Truck # Card # Job Ref #	#: CR y: FR : NA e: 7/5 4B	ANK ENGIL 5/2017 SERVICES	LINA		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902				
Facility: CRI													
Product / Servi	ice		с. С. 194			Q	uantity U	nits					
Contaminated	Soil (RC	RA Exem	pt)				20.00 y	/ards					
	Cell	pН		ond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight		
Lab Analysis:	50	0.00	0.00 0	0.00	0								
Generator Cert I hereby certify th 1988 regulatory or X RCRA Exem waste. RCRA Non-L characteristics est amended. The fo MSDS Inform Driver/ Agent S	nat accord letermina pt: Oil Fi Exempt: (tablished llowing c mation	ling to the l tion, the ab eld wastes Dil field wa in RCRA r locumentat RCRA	Resource Cons ove described generated from ste which is no egulations, 40 ion is attached	ervatio waste i o oil an on-haza CFR 20 to derr	on and Recove is: d gas explora ardous that do 61.21-261.24 nonstrate the a alysis _ Pr	tion and p es not exc or listed I bove-deso ocess Kno	roduction of seed the minazardous v cribed wast	operations and nimum standa vaste as define e is non-hazar Other (Pro	are not mix ds for waste d in 40 CFF dous. (Chec	ed with nor hazardous , part 261, k the appro	n-exempt s by subpart D, as ppriate (tdms);		
Customer App	roval												
Approved By: _	A	M	TH	HIS	IS NOT		NVOIC	E!			V		
	V		- 8										

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7/5/2017 (3.4

ENVIRONMENTAL SOLUTIONS			Ordere AFE #: PO #: Manifes	ner #: C d by: Fl st #: N Date: 7/ 4l P/ t 1(RANK ENGIL A	LINA		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field #: Field #: Rig: County	37902		
Facility: CRI											
Product / Serv	ice					Q	uantity U	nits			
Contaminated	Soil (R	CRA Exem	ipt)				20.00	yards			
	Cell	pH	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0					0	
Generator Certification Statement of Waste Status 1 hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 201 subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above) Driver/ Agent Signature R360 Representative Signature R360 Representative Signature											
Customer App	oroval	신방영상에서							4.2.1.4	tali an	Y
				THIS	IS NOT	AN IN		E!		\smile	~ V
Approved By:						Da	ate:				

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7/5/2017 4 🖓

ANURANE AVTA SOLUTIONS Permian Basin		50		er #: by: t #: ate:	BC OPERA CRI1430 FRANK EN NA 7/6/2017 EL TRAVIE JESUS 1	GILLIANA		Bic Da Ge Ge We Ve Fie Ric	enerator: enerator #: ell Ser. #: ell Name: ell #: eld: eld #:	700-81944 Walk-in Bid 7/6/2017 BC OPERA 37902 ANGELL 1 NON-DRILL LEA (NM)	ATING, IN	C.
Facility: CRI												
Product / Servic	e						Quantity	Units	6			
Contaminated Soil (RCRA Exempt)							20.0	0 yaro	ds			
(Cell	pН	CI	Cond	. %Solic	s TDS	PCI/G	М	MR/HR	H2S	% Oil	Weight
Lab Analysis: 5	0/51	0.00 (0.00	0.00	0							<u> </u>

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

____ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D. as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _____ MSDS Information _____ RCRA Hazardous Waste Analysis _____ Process Knowledge _____ Other (Provide description above)

Driver/ Agent Signatu		R360 Representative Sig	inature
Customer Approval			$-\bigcup_{n}$
		NOT AN INVOIC	E!
Approved By:	·	Date:	

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7/6/1501

360 Solutions Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	FRANK ENG	GLILLIANA		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	ating, in	IC.
Facility: CRI								
Product / Service			Q	luantity U	nits			
Contaminated Soil (RCRA Exemp	ot)			20.00 y	/ards			
Cell pH	CI Con		s TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51 0.00	0.00 0.0	0 0						

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Customer Approval	l h	
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Approved By:	Date:	

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ANN ROMMENTA SOLUTION Permian Basin		50	Customer: Customer Ordered by AFE #: PO #: Manifest # Manif. Date Hauler: Driver Truck # Card # Job Ref #	#: CI r: FF N/ e: 7/0 T\	RANK ENGILLI			Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	TING, IN	IC.
Facility: CRI											
Product / Servic	e					Qu	antity U	nits			
Contaminated S	Soil (RC	RA Exemp	t)				12.00	yards			
_	Cell	pН	CI Co	ond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis: 5	0/51	0.00	0.00 C	.00	0						

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Driver Agent Signature	R360 Representative Signature
Customer Approval	() Warden (
	THIS IS NOT AN INVOICE! \checkmark

Approved By:

Date:

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7/6/2017 - 1

BOLUTIONS Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	FRANK ENGIL	LIANA		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	d ATING, IN	IC.
Facility: CRI								
Product / Service			Qı	uantity U	nits			
Contaminated Soil (RCRA Exer	npt)			12.00 y	/ards			
Cell pH	CI Cor	d. %Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51 0.00	0.00 0.0	0 0						

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Driver/ Agent Signature	R360 Representativ	
Him Gword		
Customer Approval		- Q

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Approved By:

Date: _____

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7/6/2013

Berning March 1997	50	Customer: Customer # Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	CRI14 FRAN NA 7/6/20	IK ENGILLIA 017 ERVICES LL	NA		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	TING, IN	C.
Facility: CRI										
Product / Service					Qu	antity U	nits			
Contaminated Soil (R	CRA Exemp	ot)				20.00	yards			
Cell	pН	CI Cor	nd. %	6Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51	0.00	0.00 0.0	00	0						

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Driver/ Agent Signature R360 Representative Signature 0

Customer Approval

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Approved By:

Date:

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7/6/2510

CHARLES CHARLES CONTROL CONTRO	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	FRANK ENGILL	IANA	Ticket #: Bid #: Date: Generator #: Well Ser. #: Well Name: Well Name: Field: Field #: Rig: County		I ATING, IN	C.
Facility: CRI							
Product / Service			Quan	tity Units			
Contaminated Soil (RCRA Exemp	t)		:	20.00 yards			
Cell pH	Cl Con	d. %Solids	TDS P	CI/GM MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51 0.00	0.00 0.0	0 0					

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Driver/ Agent Signature R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date:

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7/612/01

A Solutions Solutions Permian Basin	50	Customer: Customer # Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	: CRI14 FRAN NA 7/6/20	UK ENGILLI 017 TRUCKING	ANA		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County		d Ating, in	C.
Facility: CRI										
Product / Service					Qu	antity U	nits			
Contaminated Soil (RC	RA Exemp	t)				12.00	yards			
Cell	pН	Cl Cor		%Solids	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51	0.00	0.00 0.0	00	0						

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____MSDS Information ____RCRA Hazardous Waste Analysis ____Process Knowledge ___Other (Provide description above)
Driver/ Agent Signature R360 Representative Signature

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Customer Approval		\bigcirc
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Approved By:		Date:

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SOLUTIONS Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	FRANK ENGILLI	ANA	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field #: Field #: Rig: County	37902	TING, IN	C.
Facility: CRI							
Product / Service			Quantity	Units			
Contaminated Soil (RCRA Exemp	t)		12.0	0 yards			
Cell pH	Cl Con		TDS PCI/G	M MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51 0.00	0.00 0.0	0 0					

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Driver/ Agent Signature/	- 	R360 Repres	entative Sig	gnature N	
Jem Word				(N)	
Customer Approval		· · · · ·			

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Approved By:

Date: _____

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7/6/2010 - 5.

BOLUTIONS Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	FRANK ENGILLIANA	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	NC.
Facility: CRI					
Product / Service			Quantity Units		
Contaminated Soil (RCRA Ex	(empt)		20.00 yards		
Cell pH	CI Con	d. %Solids TDS	PCI/GM MR/HR	H2S % Oil	Weight
Lab Analysis: 50/51 0.00	0.00 0.0	0 0			

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Driver/ Agent Signatur	6		R360 F	Representat	ive Signature	M
Customer Approval			њ			$\mathbf{X}_{\mathbf{x}}$
	THIS IS NOT AN INVOICE!					
Approved By:	T //	S		Date:		

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ENVIRONMENTAL SOLUTIONS Permian Basin	C A P M M H D T I C	ustomer: ustomer #: rdered by: FE #: O #: anifest #: anifest #: anif. Date: auler: river ruck # ard # ob Ref #	CRI1430 FRANK EN NA			Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	I ATING, IN	IC.
Facility: CRI									
Product / Service				G	uantity Ur	nits			
Contaminated Soil (RCRA Exempt)					12.00 yards				
Cell p	H CI	Con	d. %Soli	ds TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51	0.00 0.0	0.0	0 0						

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MSDS Information KCRA Hazardous waste Analys	is _ Process Knowledge _ Other (Provide descri
Driver/ Agent Signature	R360 Representative Signature
Julian Johnson	
Customer Approval	
THIS IS	NOT AN INVOICE!

Approved By: _____

Date: _____

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7/8/2017-11
ENVIRONMENT SOLUTION Permian Basir	NS WEE	50	Ordered AFE #: PO #: Manifes	er #: I by: t #: Date:	BC OPERATIN CRI1430 FRANK ENGIL NA 7/6/2017 EL TRAVIEZO JESUS 1	LIANA	٧G	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field #: Rig: County	700-81947 Walk-in Bic 7/6/2017 BC OPER/ 37902 ANGELL 1 NON-DRIL LEA (NM)	1 Ating, in	C.
Facility: CRI											
Product / Serv	vice					Q	uantity U	nits			
Contaminated	l Soil (R	CRA Exemp	ot)				20.00	yards			
	Cell	pН	CI	Cond	d. %Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.0	0 0						
Generator Cer	rtificatio	n Statemen	t of Was	te Sta	itus						

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 __ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above)

Driver/ Agent Signature,	R360 Representative Signature
Customer Approval	
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Approved By:	
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Date:

SUUSACCTOUZ

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ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: BC OPERATING, INC. Customer #: CRI1430 Ordered by: FRANK ENGILLINA AFE #: PO #: Manifest #: NFA Manif. Date: 7/6/2017 Hauler: LAGUNA TRUCKING LLC Driver HUGO Truck # 28 Card # Job Ref #	Ticket #:700-819478Bid #:Walk-in BidDate:7/6/2017Generator:BC OPERATING, INC.Generator #:Well Ser. #:Well Ser. #:37902Well Name:ANGELLWell #:1Field:FieldField #:Rig:NON-DRILLINGCountyLEA (NM)
Facility: CRI		
Product / Service	Quantity	Units and a second second
Contaminated Soil (RCRA Exemp	20.00) yards
Cell pH	CI Cond. %Solids TDS PCI/G	M MR/HR H2S % Oil Weight
Lab Analysis: 50 0.00	0.00 0.00 0	
1988 regulatory determination, the abo X RCRA Exempt: Oil Field wastes gr waste. _ RCRA Non-Exempt: Oil field wast characteristics established in RCRA reg amended. The following documentation	esource Conservation and Recovery Act (RCRA) an	n operations and are not mixed with non-exempt ninimum standards for waste hazartous by s waste as defined in 40 CFR, part 201, subpart D, as iste is non-hazardous. (Check the appropriate items): Other (Provide description above) Signature

Approved By: _____ Date: _____

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7/8/2017 10 of the

360 ENVIRONALENTAL SOLUTIONS Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	FRANK ENGI	LLIANA		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field #: Rig: County	37902	I ATING, IN	C.
Facility: CRI								
Product / Service		Qı	uantity U	Units				
Contaminated Soil (RCRA Exemp			20.00 y	yards				
Cell pH	Cl Con		TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51 0.00	0.00 0.0	0 0						

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Driver/Agent Signature	R360 Representative Signature
Jablo Meet	
Customer Approval	

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Approved By:

Date: _____

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7/6/2511

ENVIRONMENT SOLUTIO Permian Basir	VS No.3	6	Order AFE # PO #: Manife	mer #: CF ed by: FF : Date: 7/0 r: PF JE # 01 #	RANK ENGIL A 6/2017 RO TRUCKIN ESUS	LIANA		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well Mame: Field: Field #: Rig: County		IC.	
Facility: CRI											
Product / Serv	vice					Q	uantity U	nits			
Contaminated Soil (RCRA Exempt)			npt)				12.00	yards			
	Cell	pН	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

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Driver/ Agent Signature		R360 Representative Signature	

Customer Approval	
THIS IS	NOT AN INVOICE!
Approved By:	Date:

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ENVIGONMENT Solution Permian Basir	VS North	50	Customer: Customer Ordered b AFE #: PO #: Manifest # Manif. Dat Hauler: Driver Truck # Card # Job Ref #	#: CR y: FR/ te: 7/6, SW JIM 760	ANK ENGILI /2017 /ORDS TRU I	_IANA		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County		I ATING, IN	C.	
Facility: CRI												
Product / Serv	ice				Quantity Units							
Contaminated Soil (RCRA Exempt)							12.00	yards				
	Cell	pН	CI C	ond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight	
Lab Analysis:	50/51	0.00	0.00	0.00	0							
Generator Certification Statement of Waste Status												

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Driver/ Agent Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved	By:
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Date:

R360 Representative Signature

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BACK SOLUTIONS	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif, Date: Hauler: Driver Truck # Card # Job Ref #	FRANK ENGII NA		E C C V V V F F F	icket #: bid #: Senerator: Senerator #: Vell Ser. #: Vell Name: Vell #: Field: Sig: County	37902	d ATING, IN	C.
Facility: CRI								
Product / Service			Qı	uantity Un	its			
Contaminated Soil (RCRA E			12.00 ya	ards				
Cell pH	CI Co	nd. %Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51 0.00	0.00 0.	00 0						

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MSDS Information KCKA Hazardous waste Analysis	_ Flocess Kilowledge _ Other (110vide deseri
Driver/ Agent Signature	R360 Representative Signature
UUUUM [[111] [11] Customer Approval	, V
THIS IS	
Approved By:	Date:

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ENVIRONMENTAL SOLUTIONS	Customer #:	FRANK ENGIL	_INA	G	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field : Field #: Rig: County	37902	TING, IN	С.	
Facility: CRI									
Product / Service			Qu	antity U	Inits				
Contaminated Soil (RCRA Exem	pt)			20.00	yards				
Cell pH			TDS	PCI/GN	MR/HR	H2S	% Oil	Weight	
Cell pH Cl Cond. % Solids TDS PCI/GM MR/HR H2S % Oil Weight Lab Analysis: 50 0.00 0.00 0.00 0 0 Generator Certification Statement of Waste Status Interest entities Interest entities Interest entities MR/HR H2S % Oil Weight 1988 regulatory determination, the above described waste is: X X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.									

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7/6/2017 12 32 .

envinonment solution Permian Basir	NS কৈবুট	6	Customer: Customer # Ordered by: AFE #: PO #: Manifest #: Manif. Date Hauler: Driver Truck # Card # Job Ref #	: CRI1 FRAI NA : 7/6/2	NK ENGILLI 017 ERVICES L	IANA		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field: Field #: Rig: County	700-81950 Walk-in Bid 7/6/2017 BC OPER/ 37902 ANGELL 1 NON-DRIL LEA (NM)	ATING, IN	C.
Facility: CRI											
Product / Serv	rice					Qu	antity U	nits			
Contaminated Soil (RCRA Exempt)							20.00	yards			
	Cell	pН	CI Co	nd.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00 0.	00	0						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D. as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): ______ MSDS Information _____ RCRA Hazardous Waste Analysis ______ Process Knowledge ______ Other (Provide description above) Driver/ Agent Signature ______ R360 Representative Signature

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Customer Approval			\mathcal{N}
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Approved By:	4MG	Date:	

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ENVIRONMENT SOLUTION Permian Basin	vs 😽	50	Custom Custom Ordered AFE #: PO #: Manifes Manif. D Hauler: Driver Truck # Card # Job Ref	er#:CI Iby:FF t#:N/ Date:7/(4E P/ 10	RANK ENGIL 6/2017 3 SERVICES ABLO	LINA		Ticket #: Bid #: Date: Generator: Generator #: Well Ser, #: Well Name: Well #: Field: Field #: Rig: County	37902	id Ating, in Lling	IC.
Facility: CRI											
Product / Serv	ice					Q	uantity U	nits			
Contaminated	Soil (R	CRA Exen	npt)				20.00	yards			
	Cell	рН	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						
Generator Cer I hereby certify ti 1988 regulatory of X RCRA Exem- waste. RCRA Non- characteristics es amended. The fo MSDS Infor Driver/Agent S Customer App Approved By:	hat acco determin npt: Oil I Exempt: tablished ollowing mation Signatu	rding to the lation, the ab Field wastes Oil field wa d in RCRA r documentat RCRA	Resource Cc bove describe generated fr aste which is egulations, 4 ion is attach Hazardous V	onservati ed waste om oil ar non-haz 10 CFR 2 ed to der Vaste An	on and Recover is: and gas explora ardous that do 261.21-261.24 nonstrate the a alysis Pr	tion and p es not exc or listed l bove-des occess Knn Represen	broduction ceed the mi hazardous v cribed wast owledge ntative Sig	operations and nimum standar waste as define te is non-hazar Other (Pro gnature	are not mixed rds for waste rd in 40 CFR døus. (Check	ed with nor hazardous , part 261, k the appro	n-exempt s by subpart D, as priate items):

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ENVIRONMENTAL SOLUTIONS	Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver	FRANK ENGIL	LINA	_C	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	d ATING, IN	IC.
Facility: CRI								
Product / Service			Q	uantity U	nits			
Contaminated Soil (RCRA Exemp	pt)			20.00	yards			
Cell pH Lab Analysis: 50 0.00	CI Conc 0.00 0.00		TDS	PCI/GM	MR/HR 3.00	H2S	% Oil	Weight
Generator Certification Statemer I hereby certify that according to the R 1988 regulatory determination, the abo X RCRA Exempt: Oil Field wastes g waste RCRA Non-Exempt: Oil Field waste characteristics established in RCRA re amended. The following documentatio _ MSDS Information _ RCRA H Driver/ Agent Signature	Resource Conserv ove described was generated from oil ste which is non-h gulations, 40 CFJ on is attached to o Hazardous Waste	ation and Recoversite is: I and gas explora nazardous that do R 261.21-261.24 demonstrate the a Analysis _ Pr	tion and p es not exc or listed H ibove-desc occess Knn Represer	roduction eed the mi azardous v cribed wast owledge itative Sig	operations and nimum standar waste as define te is non-hazar Other (Pro gnature	are not mixe ds for waste d in 40 CFR dous. (Check	ed with nor hazardous , part 261, < the appro	n-exempt by subpart D as

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7/6/2017

Permian Basin		Customer: BC OPERATING, INC. Customer #: CRI1430 Ordered by: FRANK ENGILLINA AFE #: PO #: Manifest #: NA Manif. Date: 7/6/2017 Hauler: PRO TRUCKING Driver JESUS Truck # 01 Card # Job Ref #					Bid #: Date: Generator: Generator # Well Ser. #:	Walk-in Bid 7/6/2017 BC OPERATING, INC. : 37902			
Facility: CRI											
Product / Service					Q	• • •					
Contaminated Soil (RCRA Exem	pt)					•	_			
Cell	pН			%Solids	TDS	PCI/GN	MR/HR	H2S		Weight	
Lab Analysis: 50	0.00	0.00	0.00	U							
I hereby certify that acc 1988 regulatory determ X RCRA Exempt: Oi waste. _ RCRA Non-Exempt characteristics establish amended. The followin _ MSDS Information	ording to the l ination, the ab l Field wastes ot: Oil field wa aed in RCRA r ng documentat n RCRA	Resource Cor pove described generated fro aste which is r regulations, 40 ion is attache	nservation d waste om oil an non-haza 0 CFR 2 d to den	n and Recover is: d gas explora ardous that do 61.21-261.24 nonstrate the a alysisP	tion and p oes not exe or listed above-des rocess Kn	production ceed the m hazardous cribed was owledge	operations an inimum stand waste as pefir ste is non-haza Other (Pr	d are not may ards for waste hed in 40 CFI ardous. (Chec	ed with nor e hazardous 3, part 261, k th y appro	n-exempt s by subpart D, as opriate items):	
Constant for the constant of th											
		Т	HIS	IS NOT	AN I	NVOI	CE!		۱	•	
Approved By:					۵	ate:			-		

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36 Societados Permian Basin	Customer: Customer # Ordered by: AFE #: PO #: Manifest #: Manif. Date Hauler: Driver Truck # Card # Job Ref #	FRANK ENGI NA	LLIANA	E C C V V I I I I	Ficket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County		I ATING, IN	C.
Facility: CRI								
Product / Service			Q	uantity Ur	nits			
Contaminated Soil (RCRA E			12.00 y	ards				
Cell pH	CI Co	nd. %Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51 0.00	0.00 0.	00 0						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D. as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above)

NODS Information KCKA nazardous	wase Analysis _ ribeess knowledge _ onler (ribride description
Driver/ Agent Signature	R360 Representative Signature
An huh	
Customer Approval	

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Approved By:	Date:	

7/6/2014 - 1

BOLUTION BOLUTIONS Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	FRANK ENGI	·		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field : Field #: Rig: County	37902	d ATING, IN LLING	C.
Facility: CRI								
Product / Service			Qı	uantity U	nits			
Contaminated Soil (RCRA E	xempt)			12.00 y	ards			
Cell pH	CI Cor	nd. %Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51 0.00	0.00 0.0	0 0						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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_____MSDS Information _____RCRA Hazardous Waste Analysis _____Process Knowledge ____Other (Provide description above)
Driver/ Agent Signature ______RCRA Hazardous Waste Analysis _____Process Knowledge ____Other (Provide description above)

nDD/ UlioN Customer Approval

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Approved By:

Date:

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7/6/201

BINING MALENTAL ENVINGENTIAL SOLUTIONS Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	FRANK ENGILL	IANA	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field #: Field #: Rig: County			2.
Facility: CRI							
Product / Service			Quant	tity Units			
Contaminated Soil (RCRA Exemp	t)		2	0.00 yards			
Cell pH	CI Con	d. %Solids	TDS PC	CI/GM MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51 0.00	0.00 0.0	0 0					

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

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Date:

MSDS Information	RCRA mazaryoys waste Analysis	_ Process Knowledge	_ Other (Provide description
Driver/ Agent Signature	V	R360 Representative Si	gnature
	filly		- Al
Customer Approval			X
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Approved By:

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CHV-SOMMENTAL SOLUTIONS Permian Basin	6	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	CRI14 FRAN NA 7/6/20	IK ENGILLI 017 ERVICES L	ANA		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	TING, IN	C.
Facility: CRI										
Product / Service					Qu	antity U	Inits			
Contaminated Soil (RCRA Exempt)						20.00	yards			
Cell	pН	CI Coi	nd.	%Solids	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51	0.00	0.00 0.	00	0						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

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Driver/ Agent Signature			R360 Repre	esentative S	ignature	1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 19	

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Customer Approval	
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Solution Permian Basir	VS Nord	50	Customer: Customer # Ordered by AFE #: PO #: Manifest #: Manif. Date Hauler: Driver Truck # Card # Job Ref #	: CRI ² FRA NA : 7/6/2	NK ENGILL 2017 SERVICES I	IANA		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County		I ATING, IN	C.
Facility: CRI											
Product / Serv	vice					Qu	uantity L	Units			
Contaminated Soil (RCRA Exempt)							20.00	yards			
	Cell	pН	CI Co	nd.	%Solids	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00 0	00	0						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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Driven/Agent Signature

Customer Approval

R360 Representative Signature

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Approved By: Dat	e:
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ENVIRONMENT SOLUTION Permian Basir	VS 2015	6	Customer: Customer # Ordered by: AFE #: PO #: Manifest #: Manif. Date Hauler: Driver Truck # Card # Job Ref #	: CRI FRA NA : 7/6/	ANK ENGLIL /2017 GUNA TRUC	LANA	c	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field #: Field #: Rig: County		d ATING, IN	C.
Facility: CRI											
Product / Serv	ice					Q	uantity L	Inits			
Contaminated Soil (RCRA Exempt)			ot)				20.00	yards			
	Cell	pН	CI Co	nd.	%Solids	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00 0.	00	0						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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Driver/ Agent Signature R360 Representative Signature

4 **Customer Approval**

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Approved By:

Date:

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7/6/2017 - -

Customer:				BC OF	PERATING	G, INC.		Ticket #:	700-819546			
· ·		v ¹	Custor	mer #:	CRI1430			Bid #:	Walk-in Bid			
- 20 - 20 - 6 -			Ordere	ordered by: FRANK ENGILLIANA					Date:	7/6/2017		
			AFE #	:					Generator:	BC OPER	ATING, IN	C.
彩 刻 🕒			PO #:						Generator #:			
ENVIRONMENT	ML =	S.	Manife	est#:	NA				Well Ser. #:	37902		
SOUTIO	NS 1823	P	Manif.	Date:	7/6/20	17			Well Name:	ANGELL		
Dennie Basis	_		Haule	r:	PRO 1	FRUCKIN	G		Well #:	1		
Permian Basir	1		Driver	Driver JESUS					Field:			
			Truck		01				Field #:			
			Card #						Rig:	NON-DRI	LING	
			Job R	ef#					County	LEA (NM)		
Facility: CRI												
Product / Serv	vice						Q	uantity U	nits			
Contaminated	l Soil (R	CRA Exem	pt)					12.00	yards			
	Cell	pН	Cl	Cond	d. %	6Solids	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.0	0	0						
Generator Ce	rtificatio	n Stateme	nt of Wa	ste Sta	itus							
									the LIC Envir	annontal Dro	tootion A a	anavia Iulu

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

_____RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D. as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _____MSDS Information _____RCRA Hazardous Waste Analysis _____Process Knowledge _____Other (Provide description above)

Driver/Agent Signature	R360 Representative Signa	ture
A		+
Customer Approval		
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Approved By:	

Date:

16日15月10日7月イ

7/6/30 +

BACK ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	FRANK ENGILI		Bid Da Ge We We Fie Fie	enerator: enerator #: ell Ser. #: ell Name: ell #: eld: eld #:	37902	i Ating, in	C.
Facility: CRI								
Product / Service			Qua	ntity Unite	5			
Contaminated Soil (RCRA Exemp	t)			12.00 yar	ds			
Cell pH	CI Con		TDS F	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51 0.00	0.00 0.0	0 0						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

_____RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D. as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _____MSDS Information _____RCRA Hazardous Waste Analysis _____Process Knowledge _____Other (Provide description above)

Driver/ Agent Signature	=	60 Representative S	Signature
Jun Johnson			N
Customer Approval		e e e e e e e e e e e e e e e e e e e	
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Approved By:	Date:
Appioved by.	Date.

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7/6/20

ENVIRONMENT SOLUTION Permian Basir	NS S	50	Customer: BC OPERATING, INC. Customer #: CRI1430 Ordered by: FRANK ENGILLINA AFE #: PO #: Manifest #: NA Manif. Date: 7/7/2017 Hauler: SWORDS TRUCKING Driver JIM Truck # 760 Card # Job Ref #					Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	d ATING, IN	C.
Facility: CRI											
Product / Serv	1977 7 8 P. 1997					Q		nits			
Contaminated	•		• •				12.00	•			
Lab Analysis:	Cell 50	pH 0.00		ond. 0.00	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Generator Cer I hereby certify the 1988 regulatory X RCRA Exenvaste. RCRA Non- characteristics estates amended. The for MSDS Infor Driver/ Agent Customer App Approved By:	that accor determinin npt: Oil F Exempt: stablished ollowing rmation Signatu	ding to the I ation, the ab ield wastes Oil field wa in RCRA re documentati RCRA I	Resource Cons ove described generated from ste which is ne gulations, 40 on is attached Hazardous Wa	servatic waste n oil an on-haza CFR 2 to den ste Ana	on and Recover is: ad gas explora ardous that do 61.21-261.24 nonstrate the a alysis Pr	tion and p es not exc or listed l ibove-des occess Knn Represen	roduction action action active diversion cribed was owledge stative Si	operations and nimum standa waste as define te is non-hazar Other (Pro gnature	l are not mixe rds for waste ed in 40 CFR rdous. (Chech	ed with nor hazardous , part 261, < the appro	n-exempt by subpart D, as priate items);

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environmental solutions Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	FRANK ENGILLI	NA	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	I ATING, IN	C.
Facility: CRI							
Product / Service			Quantity I	Units			
Contaminated Soil (RCRA Exemp	ot)		12.00) yards			
Cell pH Lab Analysis: 50 0.00	Cl Con 0.00 0.0		TDS PCI/GI	M MR/HR	H2S	% Oil	Weight
Generator Certification Statemer I hereby certify that according to the R 1988 regulatory determination, the abo X RCRA Exempt: Oil Field wastes g waste. 	esource Conser- ove described was generated from o the which is non- gulations, 40 CF on is attached to	vation and Recovery aste is: il and gas exploration hazardous that does FR 261.21-261.24 on demonstrate the above Analysis Proc	on and production not exceed the n listed hazardous ove-described wa	n operations and ninimum standa s waste as defini iste is non-haza Other (Po	l are not mixe rds før waste ed in 40 CFR dous. (Check	ed with nor hazardous , part 261, c the appro	n-exempt by subpart D, as priate items):
Customer Approval					\checkmark		N
	TH	IS IS NOT A	N INVOI	CE!			V
Approved By:			Date:				

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7/7/2017 6th diff.

			Custor	ner: B	C OPERATIN	IG. INC.	Т	icket #:	700-81964	7		
•		1		ner #: C	RI1430	- 1 -	E	Bid #:	Walk-in Bid			
			Ordere	d by: F	RANK ENGIL	LINA	INA Date:			7/7/2017		
			AFE #				G	Generator:	BC OPER	ATING, IN	C.	
			PO #:				G	Senerator #				
ENVIRONMENT	AL	J.	Manife	st#: N	IA		٧	Vell Ser. #:	37902			
SOLUTION	SOLUTIONS				/7/2017		V	Vell Name:	ANGELL			
Dormion Desir	Solutions				WIN PEAK		V	Vell #:	1			
Perman basin	SOLUTIONS				ULIAN		F	ield:				
		Truck					ield #:					
		Card #					Rig:	NON-DRILLING				
			Job Re	ef#			C	County	LEA (NM)			
Facility: CRI												
Product / Serv	ice					Q	uantity Un	its				
Contaminated	Soil (E		(nt)				20.00 ya	ards				
Containmateu	•		• •									
	Cell	рН	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight	
Lab Analysis:	50	0.00	0.00	0.00	N/A							
Generator Cer	tificatio	on Stateme	nt of Wa	ste Stati	us							

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July

1988 regulatory determination, the above described waste is: \underline{X} RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)

_ ,		_ 0.	_ Other (Provide description above)	- / /
		360 Representative Sig	jnature	\bigvee
Customer Approval		n an <mark>an an a</mark>		
	THIS IS N	OT AN INVOIC	E! ↓	
Approved By:		Date:		

t6UJ9A00T7FW

7/7/2017 8:11:11

ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: Customer # Ordered by: AFE #: PO #: Manifest #: Manif. Date Hauler: Driver Truck # Card # Job Ref #	FRANK ENGALI NA	INA		#: Walk-in Bid te: 7/7/2017 nerator: BC OPERATING, INC. nerator #:				
Facility: CRI									
Product / Service	$\sum_{i=1}^{N-1} \left\{ (x_i) \in \sum_{i=1}^{N-1} \left\{ (x$		Quantity U	nits					
Contaminated Soil (RCRA Exe	mpt)		20.00 y	yards					
Cell pH		nd. %Solids	TDS PCI/GM	MR/HR	H2S	% Oil	Weight		
Lab Analysis: 50 0.00	0.00 0.	00 0							
Lab Analysis: 50 0.00 0.00 0 Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with waste.									

7/7/2017 8.62000

ENVIRONMENTA SOLUTION	IS 🗺	50	Customer: Customer: Ordered by AFE #: PO #: Manifest # Manif. Dat Hauler: Driver Truck # Card # Job Ref #	#: CI y: FF :: N, e: 7/ 4{ PI	RANK ENGAI	LINA.		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field: Field #: Rig: County	37902	fing, ing	2.
Facility: CRI											
Product / Serv	ice					Q	uantity L	Inits			
Contaminated	Soil (RC	CRA Exemp	it)				20.00	yards			
_	Cell	pН		ond.	%Solids	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00 (0.00	N/A						
Generator Cert I hereby certify ti 1988 regulatory of X RCRA Exem waste. RCRA Non- characteristics es amended. The fo MSDS Infor Driver/ Agent S	hat accord determina apt: Oil F Exempt: 0 tablished ollowing 0 mation	ding to the R tition, the abo ield wastes g Oil field was in RCRA reg documentatio RCRA H	esource Cons ve described enerated fron te which is no gulations, 40 on is attached azardous Wa	servat waste n oil a on-ha CFR to de ste Ai	ion and Recove is: and gas explora zardous that do 261.21-261.24 monstrate the a	ery Act (R tion and p es not exc or listed h above-desc rocess Kno	roduction eed the m nazardous cribed was owledge	operations and inimum standa waste as define ste is non-hazau Other (Pro	l are not mixed rds for waste h ed in 40 CFR, rdous. (Check)	l with non nazardons part 261, s the approp	-exempt
Customer App	roval	PY		HIS	IS NOT		NVOIC	CE!			1

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7/7/2017 8:38

ENVIRONMENTA SOLUTION	vs 嫣		Custome Custome Ordered AFE #: PO #: Manifest Manif. Da Hauler: Driver Truck # Card # Job Ref ;	er#:C by:F #:N ate:7 J J	RANK ENGAL IA 1/7/2017 WIN PEAK ULIAN			Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County		ATING, IN	C.
Facility: CRI											
Product / Serv	ice					Q	antity U	nits			
Contaminated	Soil (RC	RA Exemp	t)				12.00	yards			
	Cell	pН	CI	Cond.	%Solids	TDS	PCI/GN	I MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00 (0.00	0.00	0						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

_____ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous (Check the appropriate items): MSDS Information RCRA Hazardous Waste Analysis Process Knowledge _____ Other (Provide description above)

Driver/Agent Signature	R360 Representative Signature
Customer Approval	eres de traduce de la complete d'Alt
THIS	IS NOT AN INVOICE!
Approved By:	Date:

t6UJ9A00T7NQ

7/7/2017 10:55 1

ENVIRONMENTAL SOLUTIONS	Customer: BC OPERATING Customer #: CRI1430 Ordered by: FRANK ENGALL AFE #: PO #: Manifest #: NA Manif. Date: 7/7/2017 Hauler: SWORDS TRUC Driver JIM Truck # 760 Card # Job Ref #	Bid #: NA Date: Generator: Generator # Well Ser. #: Well Name:	37902
Facility: CRI			
Product / Service		Quantity Units	
Contaminated Soil (RCRA Exemp	t)	12.00 yards	
Cell pH Lab Analysis: 50 0.00	Cl Cond. %Solids 0.00 0.00 0	TDS PCI/GM MR/HR	H2S % Oil Weight
Generator Certification Statemen I hereby certify that according to the Re 1988 regulatory determination, the abo X RCRA Exempt: Oil Field wastes go waste. 	esource Conservation and Recover ve described waste is: enerated from oil and gas explorati e which is non-hazardous that doe gulations, 40 CFR 261.21-261.24 c n is attached to demonstrate the ab azardous Waste Analysis Pro	n and production operations an not exceed the minimum stand listed hazardous waste as defin ve-described waste is non-haza ess Knowledge Other (Pr presentative Signature	nd are not mixed with non-exempt ards for waste hazardous by ned in 40 CFR, part 261, subpart D, as ardous. (Check the appropriate/items):

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ENVIRONMENT/ SOLUTION		6	Customer Customer Ordered I AFE #: PO #: Manifest : Manif. Da Hauler: Driver Truck # Card # Job Ref #	r #: (oy: 1 #: ate: 1	FRANK ENGA	LLINA		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County		i Ating, ing	2
Facility: CRI											
Product / Serv	ice					Qu	antity U	Inits			
Contaminated	Soil (RC	RA Exemp	ot)				12.00	yards			
	Cell	pН		Conc		TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.0	0						
characteristics es amended. The fo	hat accord determina apt: Oil Fi Exempt: (tablished bllowing c mation	ding to the R tion, the abc eld wastes g Dil field was in RCRA re documentatio RCRA F	esource Con ove describe enerated fro te which is gulations, 4 on is attache lazardous W	nserv d was om oi non-h 0 CF ed to Vaste	ation and Recov ste is: I and gas explor nazardous that de R 261,21-261.24	ation and p oes not exc 4 or listed h above-desc Process Kno	roduction eed the m azardous cribed was owledge	operations and inimum standa waste as defin ste is non-haza Other (Pro	l are not mixe rds for waste ed in 40 CFR rdous. (Checl	ed with non hazardous , part 261, the appro	n-exempt by subpart D, as priate itoms):
Customer App	roval										1
			Т	HI	S IS NOT		10010	CE!			
Approved By:		4-74-				D	ate:				V

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7/7/2017 10:4

ENVIRONMENT SOLUTION	NS C	50	Ordered by AFE #: PO #: Manifest #	omer #: CRI1430 bred by: FRANK ENGALLINA #:				Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field #: Rig: County	r6 d ATING, IN LLING	C.	
Facility: CRI											
Product / Serv	/ice					Qı	lantity U				
Contaminated	l Soil (R	CRA Exem	pt)				20.00	•			
Lab Analysis:	Cell 50	рН 0.00		ond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
characteristics e amended. The f	that acco determir npt: Oil 1 -Exempt stablishe following rmation Signatu	rding to the R hation, the abo Field wastes g Oil field was d in RCRA re documentati RCRA H	tesource Cons ove described generated from ste which is no gulations, 40 on is attached Hazardous Wa	ervati waste i oil a on-haz CFR 2 to dei ste Ar	ion and Recove is: nd gas explora zardous that do 261.21-261.24 monstrate the a nalysis Pr	tion and p es not exc or listed h bove-desc occess Knn Represer	roduction eed the mi azardous pribed was pwledge ntative Si	operations and inimum standa waste as define te is non-hazat Other (Pro gnature	l are not mix rds for waste ed in 40 CPR dous. (Onec	ed with nor hazardous , part 261, k the appro	n-exempt by ubpart D, as priate items):

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7/7/2017 11 21 20

ENVIRONMENTAL SOLUTIONS	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	Bia Da Ge Ge Wu Wu Fia Fia Ri	te: enerator: enerator #: ell Ser. #: ell Name: ell #: eld: eld #:					
Facility: CRI					ene et co			
Product / Service			QL	antity Unit 20.00 yar				
Contaminated Soil (RCRA Exemp	•		-			100	% Oil	Moight
Cell pH Lab Analysis: 50 0.00	Cl Con 0.00 0.0		TDS	PCI/GM	MR/HR	H2S	76 OI	Weight
Generator Certification Statement I hereby certify that according to the R 1988 regulatory determination, the abox X RCRA Exempt: Oil Field wastes g waste.	esource Conser- ove described wa enerated from o dite which is non- gulations, 40 CF on is attached to Jazardous Waste	vation and Recove aste is: il and gas explora hazardous that do R 261.21-261.24 demonstrate the c AnalysisP	tion and p es not exc or listed h above-desc rocess Kno Represer	roduction op eed the minin azardous wa rribed waste wwledge ttative Sigr	erations an num standa ste as defir is non-haza Other (Pr iature	d are not mixe ards for waste and in 40 CFR ardouy. (Check	ed with nor hazardous , part 261, k the appro	n-exempt- s by suppart D, as opriate items):

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7/7/2017 12 14

ENVIRONMENTA SOLUTION Permian Basin	S BEE	50	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	CRI14 FRAN NA 7/7/20	IK ENGILLIN)17 I PEAK			Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	700-819709 Walk-in Bid 7/7/2017 BC OPERA 37902 ANGELL 1 NON-DRILI LEA (NM)	ting, ind	2.
Facility: CRI											
Product / Serv	ice					Qu	antity U	nits			
Contaminated	Soil (R	CRA Exemp	ot)				12.00	yards			
	Cell	pН	CI Co	nd. (%Solids	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50	0.00	0.00 0.	00	0						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

______RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the above-regulations): _______MSDS Information _______RCRA Hazardous Waste Analysis ______Process Knowledge ______Other (Provide description above)

Driver/ Agent Signature R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date:

t6UJ9A00T7VO

7/7/2017 2:142

ENVIRONMENTAL SOLUTIONS	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	FRANK ENGILLII		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County			2.
Facility: CRI			•	11			
Product / Service			Quantity	Units			
Contaminated Soil (RCRA Exemp	ot)		12.0	0 yards			
Cell pH	CI Co	nd. %Solids	TDS PCI/G	M MR/HR	H2S	% Oil	Weight
Lab Analysis: 50 0.00	0.00 0.	00 0					

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as characteristics established in KCKA regulations, 40 CFR 201.21-201.24 of instea nazardous waste is defined in the CFR participation of the participation of

MSDS Information/RCRA Hazardous waste AlialysisHocess Ritowicego Driver Agent SignatureR360 Representative Signature	e 🦳
Driver Agent Signature R360 Representative Signatur	
Allen Del	-/ \ /
Customer Approval	
THIS IS NOT AN INVOICE!	
Approved By: Date:	\
	N

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7/7/2017 4:100



R360 Environmental Solutions, LLC Permian Basin Region

P.O. Box 3452 Hobbs, NM 88241

Bill To BC OPERATING, INC. P.O. Box 50820 Midland, TX 79710

Invoice

Date:7/31/2017Invoice #:C157664

Terms: Generator: Lease: Well: Rig: PO: Memo: Due Upon Receipt BC OPERATING, INC. ANGELL 1 NON-DRILLING



ltem	Qty	Desc	Price	Amount	Ticket	Date	Manifest #	3rd Party #	Co. Man	Trucking Co
Contaminated Soil (RCRA Exempt)	12.00	en de la contra de la	\$22.00	\$264.00	821202	7/15/2017	NA		FRANK ENGALLINA	TWIN PEAK
Contaminated Soil (RCRA Exempt)	12.00		\$22.00	\$264.00	821203	7/15/2017	NA		FRANK	TWIN PEAK
Contaminated Soil (RCRA Exempt)	12.00		\$22.00	\$264.00	821212	7/15/2017	NA		FRANK ENGALLINA	SWORDS TRUCKING
Contaminated Soll (RCRA Exempt)	20.00		\$22.00	\$440.00	821217	7/15/2017	NA	······································	FRANK	4B SERVICES
Contaminated Soll (RCRA Exempt)	20.00		\$22.00	\$440.00	821227	7/15/2017	NA		FRANK ENGALLINA	4B SERVICES
Contaminated Soil (RCRA Exempt)	12.00		\$22.00	\$264.00	821231	7/15/2017	NA	····	FRANK	TWIN PEAK
Contaminated Soil (RCRA Exempt)	12.00		\$22.00	\$264.00	821233	7/15/2017	NA		ENGALLINA FRANK ENGALLINA	TWIN PEAK
Contaminated Soll (RCRA Exempt)	20.00		\$22.00	\$440.00	821234	7/15/2017	NA	···	FRANK ENGILLANA	SWORDS TRUCKING
ontaminated Soil (RCRA xempt)	20.00		\$22.00	\$440.00	821244	7/15/2017	NA		FRANK	4B SERVICES
Contaminated Soil (RCRA Exempt)	12.00	······	\$22.00	\$264.00	821257	7/15/2017	NA		FRANK ENGALLINA	TWIN PEAK
contaminated Soil (RCRA (xempt)	20.00		\$22.00	\$440.00	821258	7/15/2017	NA		FRANK	4B SERVICES
ontaminated Soil (RCRA xempt)	12.00	·	\$22.00	\$264.00	821259	7/15/2017	NA		ENGALLINA FRANK	TWIN PEAK
ontaminated Soil (RCRA xempt)	12.00		\$22.00	\$264.00	821266	7/15/2017	NA		ENGALLINA FRANK ENGALLINA	SWORDS TRUCKING

TO AVOID DISRUPTION IN SERVICE, PLEASE PAY IMMEDIATELY. For wire instructions, contact your Account Executive.



R360 Environmental Solutions, LLC Permian Basin Region

P.O. Box 3452 Hobbs, NM 88241

Bill To

Invoice

 Date:
 7/31/2017

 Invoice #:
 C157664

Terms: Generator: Lease: Well: Rig: PO: Memo: Due Upon Receipt BC OPERATING, INC. ANGELL 1 NON-DRILLING

Originalizated Sol (RCRA 12.00 \$22.00 \$26.00 \$21383 7/16/2017 NA PRANK_INN	BIII IU							
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Jamph) Jamph Jack Jack <thjack< th=""> Jack Jack <</thjack<>								
Grafminnels Gol (RCRA 2010 \$22.00 \$440,00 \$21275 7/15/2017 NA IPRAIR M NATA Constrained Second Seco		20.00	\$22.00	\$440.00 821274	7/15/2017	NA		
Name Status Find Allink TELOCING LLC Arrannined Sol (RCRA 12.00 \$22.00 \$224.00 \$21376 716/2017 NA FRANK SWORDS Samanined Sol (RCRA 20.00 \$22.00 \$244.00 \$21380 716/2017 NA FRANK TELOCING LLC Samanined Sol (RCRA 12.00 \$22.00 \$244.00 \$21382 716/2017 NA FRANK TELOCING LLC Samanined Sol (RCRA 12.00 \$22.00 \$244.00 \$21382 716/2017 NA FRANK TELOCING LLC Grammined Sol (RCRA 12.00 \$22.00 \$244.00 \$21387 716/2017 NA FRANK TENAL INNA FRANK </td <td></td> <td>20.00</td> <td>-#25.63</td> <td><u> </u></td> <td></td> <td></td> <td></td> <td></td>		20.00	-#25.63	<u> </u>				
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josenne) invaatLunk LC seminglio S24.00 S21382 7/14/2017 NA FRANK PERAZA seminglio Sizel.00 S21382 7/14/2017 NA FRANK PERAZA seminglio Sizel.00 Sizel.00 Sizel.00 Sizel.00 PERANK PERAZA comminicate Sol (RCRA 12.00 Sizel.00 Sizel.00 PERANK TWINPEAK comminicate Sol (RCRA 12.00 Sizel.00 Sizel.00 PERANK SWORDS comminicate Sol (RCRA 12.00 Sizel.00 Sizel.00 PERANK SWORDS comminicate Sol (RCRA 12.00 Sizel.00 Sizel.00 PERANK SWORDS comminicate Sol (RCRA 12.00 Sizel.00 Sizel.00 Sizel.00 PERAVK SWORDS comminicate Sol (RCRA 12.00 Sizel.00 Sizel.00 Sizel.00 PERAZK PERAZK comminicate Sol (RCRA 12.00 Sizel.00 Sizel.00 Sizel.00 PERAZK PERAZK PERAXK		20.00	#00.00	#440.00 004000	7/40/0047			
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Contaminated Soil (RCRA 12.00 \$22.00 \$264.00 823280 7/26/2017 NA FRANK TWIN PEAK	Exempt)							
		12.00	\$22.00	\$264.00 823280	7/26/2017	ŇA		
	Exempt)							



R360 Environmental Solutions, LLC Permian Basin Region

P.O. Box 3452 Hobbs, NM 88241

Bill To

575-393-1079 (O); 575-393-3615(F)

Invoice

Date:7/31/2017Invoice #:C157664

Terms: Generator: Lease: Well: Rig: PO: Memo: Due Upon Receipt BC OPERATING, INC. ANGELL 1 NON-DRILLING

BC OPERAT P.O. Box 508							
Midland, TX							
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00 8233	06 7/26/2017	' NA	FRANK ENGALLINA	TWIN PEAK
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00 8233	29 7/26/2017	NA NA	FRANK ENGALLINA	TWIN PEAK
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00 8233	34 7/26/2017	NA	FRANK ENGALLINA	PERAZA TRANSPORT
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00 8233	35 7/26/2017	NA	FRANK ENGALLINA	PERAZA TRANSPORT
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00 8233	38 7/26/2017	NA	FRANK ENGALLINA	TWIN PEAK
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00 8233	69 7/26/2017	NA NA	FRANK ENGALLINA	TWIN PEAK
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00 8233	89 7/26/2017	/ NA	FRANK ENGALLINA	PERAZA TRANSPORT
Please Remit To:	Desian					Subtotal:	\$15,400.00
R360-Permian Basin P.O.Box 671798	Region				NM Sales Ta	x (6.8125%):	\$1,049.12
Dallas, TX 75267-17						Total:	\$16,449.12

Summary of Products & Services

Product	Price	Quantity	Unit	Extended Price
Contaminated Soil (RCRA Exempt)		700.00		\$15,400.00
Sales Tax (NM)	\$1,049.12	1.00	each	\$1,049.12

360	Customer: Customer #: Ordered by: AFE #: PO #:	BC OPERATING, INC. CRI1430 FRANK ENGALLINA	Ticket #: Bid #: Date: Generator: Generator #:	700-821202 Walk-in Bid 7/15/2017 BC OPERATING, INC.
ENVIRONMENTAL SOLUTIONS	Manifest #: Manif. Date:	NA 7/15/2017	Well Ser. #: Well Name:	
Permian Basin	Hauler: Driver Truck #	TWIN PEAK JULIAN 203	Well #: Field: Field #:	1
	Card # Job Ref #		Rig: County	NON-DRILLING LEA (NM)

Facility: CRI

Product / Serv	lice					Q	uantity Uni	ts			
Contaminated	mpt)		12.00 yards								
	Cell	pН	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0					- · ·	

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

 \underline{X} RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

____RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous hy characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above)
Driver Agent Signature
R360 Representative Signature

Cystomer Apprøval

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Approved By:

Date:

Containinated OC	mpy											
C	ell	pН	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight	
Lab Analysis: 50/	/51	0.00	0.00	0.00	0							

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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	I	CKA nazaruous	waste Analysis	Proce.	ss Knowledge	Other	(Proviae d	description abo
Driver/ Agent Signatu	ire			R360 Rep	resentative S	Signature		

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

C. Drw-y

Date:
يندو الأستين. والألاف	Customer:	BC OPERATING, INC.	Ticket #:	700 901010
5-3 6-3		-		700-821212
	Customer #:		Bid #:	Walk-in Bid
	•	FRANK ENGALLINA	Date:	7/15/2017
	AFE #:		Generator:	BC OPERATING, INC.
	PO #:		Generator #:	
ENVIRONMENTAL	Manifest #:	NA	Well Ser. #:	37902
SOLUTIONS	Manif. Date:	7/15/2017	Well Name:	ANGELL
Dermion Decin	Hauler:	SWORDS TRUCKING	Well #:	1
Permian Basin	Driver	JIM	Field:	
	Truck #	760	Field #:	
	Card #		Rig:	NON-DRILLING
	Job Ref #		County	LEA (NM)
Facility: CRI				
Product / Service		Quantity	Inite	

Contaminated Soil (RCRA Exempt)					12.00 yards							
	Cell	нq	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight	
Lab Analysis:	50/51	0.00	0.00	0.00	0						·····	

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X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

____ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _____ MSDS Information _____ RCRA Hazardous Waste Analysis _____ Process Knowledge _____ Other (Provide description above)

Driver/ Agent Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

F360	Customer: Customer #; Ordered by: AFE #: PO #:	BC OPERATING, INC. CRI1430 FRANK ENGALLIANA	Ticket #: Bid #: Date: Generator: Generator #:	700-821217 Walk-in Bid 7/15/2017 BC OPERATING, INC.			
ENVIRONMENTAL	Manifest #:	NA	Well Ser. #:	37902			
SOLUTIONS	Manif. Date:		Well Name:	ANGELL			
Permian Basin	Hauler: Driver Truck #	4B SERVICES LLC JORGE 104	Well #: Field: Field #:	1			
	Card #		Rig:	NON-DRILLING			
	Job Ref #		County	LEA (NM)			
Facility: CRI							
Product / Service							

Contaminated Soil (RCRA Exempt)					20.00 yards						
	Celi	pН	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50/51	0.00	0.00	0.00	0						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

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_____MSDS Information _____RCRA Hazardous Waste Analysis _____Process Knowledge ___Other (Provide description above) Driver/ Agent Signature R360 Representative Signature

Melay

Customer Approval

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Approved By:

Lab Analysis:		0.00	0.00	0.00	0						·	
	Cell	рН	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight	
Contaminated	l Soil (R	CRA Exem	npt)				20.00 ر	/ards				
Product / Serv	/ice		nane) (Liko) Strandin (Li			Q	uantity U	nits		e de la composición d Composición de la composición de la comp		
Facility: CRI												
			Truck Card i Job R	#	5			Fieid #: Rig: County	NON-DRI LEA (NM)			
Permian Basi	n			Driver PABLO				Well #: 1 Field:				
SOLUTIO	NS NEW	a dise		Manif. Date: 7/15/2017 Hauler: 4B SERVICES LLC				Well Name:	ANGELL			
NVIBONMENT	월 .		PO #: Manife		A.			Generator #: Well Ser, #:				
	УC	DV ⊿	AFE#	! :				Generator:	BC OPEF	RATING, ÌN	IC.	
				mer#:CF ed by:FF	RI1430 RANK ENGAI	Bid #: LLINA Date:			7/15/2017	Walk-in Bid 7/15/2017		
		AND S	Custo					Ticket #:	700-8212			

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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____ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

____MSDS Information ____RCRA Hazardous Waste Analysis ____Process Knowledge ____Other (Provide description above) Driver/ Agent Signature R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	FRANK ENGAL	,	Ticket #: Bid #: Date: Generator: Generator # Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	d ATING, IN	IC.
Facility: CRI		s					
Product / Service			Quant	ity Units			
Contaminated Soil (RCRA Exemp	t)		1:	2.00 yards			
Cell pH	Cl Con		TDS PC	J/GM MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51 0.00	0.00 0.0	0 0				<u></u>	
Generator Certification Statemen I hereby certify that according to the Re 1988 regulatory determination, the abo X RCRA Exempt: Oil Field wastes go waste. RCRA Non-Exempt: Oil field wast characteristics established in RCRA reg amended. The following documentatio MSDS Information RCRA H	esource Conserv ve described wa enerated from of e which is non-l gulations, 40 CF n is attached to	vation and Recover iste is: il and gas explorati hazardous that doe R 261.21-261.24 c demonstrate the ab	on and produces not exceed the state of the second	ction operations and he minimum standar dous waste as define l waste is non-hazar	are not mixed ds for waste h d in 40 CFR, dous. (Check	d with non hazardous part 261, s the approp	-exempt by subpart D, as

Driver/ Agent Signature R360 Representative Signature

Customer Approval	
THIS IS NO	DT AN INVOICE!
Approved By: C. Dtw-1	Date:

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ENVIRONMEN SOLUTIO Permian Basi	INS S	50	AFE #: PO #: Manifest	r #: (by: F #: N ate: 7 2	BC OPERATIN CRI1430 FRANK ENGAL 7/15/2017 TWIN PEAK JULIAN 203			Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field: Field #: Rig: County		d Ating, In	IC.
Facility: CRI											
Product / Ser	vice		NH COL			Q	uantity U	nits			
Contaminated	d Soil (R	CRA Exem	ipt)		12.00 yards						
	Cell	рН		Cond.		TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50/51	0.00	0.00	0.00	0						. –
1988 regulatory X RCRA Exe waste. RCRA Non characteristics e	that accord determine mpt: Oil F -Exempt: established	rding to the ation, the ab Field wastes Oil field wa I in RCRA r	Resource Cor ove described generated fro uste which is r egulations, 40	nserva d wast m oil non-ha	tion and Recove	ry Act (R ion and p es not exc or listed h	CRA) and roduction of reed the min nazardous v	operations and nimum standar vaste as define	nmental Pro are not mixe ds for waste d in 40 CFR,	ed with nor hazardous , part 261,	b-exempt by subpart D, as

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Approved By:

Date: _____

ENVIRONMENT SOLUTION Permian Basin	vs 🍇	50	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	CRI14 FRAN NA 7/15/2	IK ENGIL	LANA		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County		Bid 7 RATING, IN ILLING	IC.
Facility: CRI											
Product / Serv	ice				n an an Maria an Raistana an Anglasan Raistana an Anglasan	Q	uantity U	nits			
Contaminated	Soil (R	CRA Exemp	ot)				20.00 y	/ards			
_	Cell	рН	CI Cor	1d. %	6Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00 0.0	10	0						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

 \underline{X} RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

____ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

____MSDS Information ____RCRA Hazardous Waste Analysis ____ Process Knowledge ____ Other (Provide description above)

Driver/ Agent Signature	R360 Representative Signature
Customer	

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Approved By:

ENVIRONMENTAL SOLUTIONS Permian Basin	AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card #	FRANK ENGILLIANA	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field: Field #: Rig: County	37902 ANGELL 1 NON-DRILLING
Facility: CRI	Job Ref #		County	LEA (NM)
Deceluted Deceletary States and	un dina se di fi stare.		92∉¥entonon to st	n Merende versionen er

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	20.00 yards

Cell	pН	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51	0.00	0.00	0.00	0						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

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____MSDS Information ____RCRA Hazardous Waste Analysis ____Process Knowledge ___Other (Provide description above) Driver/Agent Signature

Customer Approval

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Approved By:

Facility: CRI Product / Service	
Product / Constants and the first state of the state of t	
Product / Service	
Contaminated Soil (RCRA Exempt) 12.00 yards	
Cell pH CI Cond. %Solids TDS PCI/GM MR/HR H2S % Oil Weig	ght
Lab Analysis: 50/51 0.00 0.00 0.00 0	
Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's Jul 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.	ipt rt D, as

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Approved By: Chark Dang Date:

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R360	Customer: Customer #: Ordered by: AFE #: PO #:	BC OPERATING, INC. CRI1430 FRANK ENGALLIANA	Ticket #: Bid #: Date: Generator: Generator #:	700-821258 Walk-in Bid 7/15/2017 BC OPERATING, INC.
ENVIRONMENTAL SOLUTIONS	Manifest #: Manif. Date:	NA 7/15/2017	Well Ser. #:	
Permian Basin	Hauler: Driver Truck #	4B SERVICES LLC PABLO 104	Well Name: Well #: Field: Field #:	ANGELL 1
	Card # Job Ref #		Rig: County	NON-DRILLING LEA (NM)
Facility: CRI				

Froduct/Servic	се	1969 - E. S. F.	ert de Malerie	신지원원값		ିର୍ବିଷ	uantity Uni	ts.			
Contaminated S	Soil (R	CRA Exe	mpt)				20.00 ya	rds			
	Cell	pН	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis. 🗄	50/51	0,00	0.00	0.00	0					<u> </u>	

Bendunt / Company States and a sub-construction of the second states of the Astronomy States and the second states and

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
 __ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above)

R360 Representative Signature

Driver/Agent Signature

Customer Approval

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Approved By:

AFE #: Generator: BC OPERATING, INC. PO #: Generator: BC OPERATING, INC. SOLUTIONS Manifest #: NA Well Ser. #: 37902 Manif. Date: 7/15/2017 Well Name: ANGELL Hauler: TWIN PEAK Well #: 1 Driver JULIAN Field: 1 Truck # 203 Field #: 203 Card # Job Ref # County LEA (NM)
Facility: CRI
Product / Service
Contaminated Soil (RCRA Exempt) 12.00 yards
Cell pH CI Cond. %Solids TDS PCI/GM MR/HR H2S % Oil Weight
Lab Analysis: 50/51 0.00 0.00 0.00 0

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

 \underline{X} RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

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____MSDS Information ____RCRA Hazardous Waste Analysis ____Process Knowledge ___Other (Provide description above) Driver/ Agent Signature

Sustomer Approval

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Approved By:

	Customer:	BC OPERATING, INC.	Ticket	700 924266
and the second		,	Ticket #:	700-821266
6.23.8949.2004s	Customer #:	CRI1430	Bid #:	Walk-in Bid
	Ordered by:	FRANK ENGALLIANA	Date;	7/15/2017
	AFE #:		Generator:	BC OPERATING, INC.
	PO #:		Generator #:	
ENVIRONMENTAL	Manifest #:	NA	Well Ser. #:	37902
SOLUTIONS	Manif. Date:	7/15/2017	Well Name:	ANGELL
Permian Basin	Hauler:	SWORDS TRUCKING	Well #:	1
remian dasin	Driver	JIM	Field:	
	Truck #	760	Field #:	
	Card #		Rig:	NON-DRILLING
	Job Ref #		County	LEA (NM)

Product / Service	Quantity Units

Contaminated Soil (RCRA Exe	mpt)				12.00 ya	rds				
Cell	pН	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight	
Lab Analysis: 50/51	0.00	0.00	0.00	0							

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

 \underline{X} RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

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MSDS Information _____ RCRA Hazardous Waste Analysis _____ Process Knowledge _____ Other (Provide description above) Driver/ Agent Signature

Customer Approval

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Approved By:

	Customer:	BC OPERATING, INC.	Ticket #:	700-821274
	Customer #:		Bid #:	Walk-in Bid
Den		FRANK ENGALLIANA	Date:	7/15/2017
	AFE #:		Generator:	BC OPERATING, INC.
	PO #:		Generator #:	
ENVIRONMENTAL	Manifest #:	NA	Well Ser. #:	37902
SOLUTIONS	Manif. Date:	7/15/2017	Well Name:	ANGELL
Permian Basin	Hauler:	M MATA TRUCKING LLC	Well #:	1
	Driver	ADRIAN	Field:	
	Truck #	151	Field #:	
	Card #		Rig:	NON-DRILLING
	Job Ref#		County	LEA (NM)

Though the state of the second state and the second state of the state of the second state of the second state second state of the	Product / Service	이상한 것 같은 감독에 가운 것 같다.	Quantity Units	1 E.
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Contaminated	d Soil (R	CRA Exe	mpt)				20.00 ya	rds			
	Cell	рН	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50/51	0.00	0.00	0.00	0				· · · · · · · · · · · · · · · · · · ·		

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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____MSDS Information _____RCRA Hazardous Waste Analysis _____Process Knowledge ____Other (Provide description above)

Driver/ Agent Signature

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Customer Approval

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Approved By:

· ·	Customer:	BC OPERATING, INC.	Ticket #:	700-821275
internet and the second s	Customer #:	CRI1430	Bid #:	Walk-in Bid
	Ordered by:	FRANK ENGALL;IANA	Date:	7/15/2017
561	AFE #:		Generator:	BC OPERATING, INC.
	PO #:		Generator #	
ENVIRONMENTAL	Manifest #:	NA	Well Ser. #:	37902
SOLUTIONS	Manif. Date:	7/15/2017	Well Name:	ANGELL
Permian Basin	Hauler:	M MATA TRUCKING LLC	Well #:	1
i ennian Dashi	Driver	HECTOR	Field:	
	Truck #	150	Field #:	
	Card #		Rig:	NON-DRILLING
	Job Ref#		County	LEA (NM)

Product / Service	우리 수영물 위에 가지 않는 것을 수 있다.		antity Units	
	그는 것 같은 것 같은 정말을 받았다. 소리를	이 같이 아니었다. 아이들은 것이 가지?	 Januty Utits	문화 영국 방법은 감독을 수 있는 것이 있는 것이 같아.

Contaminated	mpt)	20.00 yards									
Cell pH CI Cor					%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): ____MSDS Information ____RCRA Hazardous Waste Analysis ____Process Knowledge ___Other (Provide description above)
Driver/ Agent Signature
R360 Representative Signature

<u>Customer Approval</u>

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Approved By:

ENVIRONMENT SOLUTION Permian Basir	VS 🐙	50	Order AFE # PO #: Manif	mer #: C ed by: F t: est #: N . Date: 7/ r: S - Ji # 7/ # 7/	RANK ENGA A	LLINA		Ticket #: Bid #: Date: Generator: Generator #. Well Ser. #: Well Name: Well Name: Well #: Field: Field #: Rig: County	700-8213 Walk-in B 7/16/2017 BC OPER 37902 ANGELL 1 NON-DRI LEA (NM)	id ATING, IN	IC.
Facility: CRI											
Product// Serv	ice					Q	uantity U	nits			
Contaminated	Soil (R	CRA Exer	npt)				12.00	yards			
	Cell	рН	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0				· · · · · · · · · · · · · · · · · · ·		
Generator Cer I hereby certify t 1988 regulatory X RCRA Exem waste.	hat acco determin	rding to the ation, the a	Resource bove descr	Conservat	ion and Recove is:					_	

____ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _____ MSDS Information _____ RCRA Hazardous Waste Analysis _____ Process Knowledge _____ Other (Provide description above)

Driver/ Agent Signature

Customer Approva THIS IS NOT AN INVOICE! Approved By: Date:

SOLUTIO	ENVIRONMENTAL SOLUTIONS Permian Basin		Customer: BC OPERATING, INC Customer #: CRI1430 Ordered by: FRANK ENGALLINA AFE #: PO #: Manifest #: NA Manif. Date: 7/16/2017 Hauler: 4B SERVICES LLC Driver PABLO Truck # 105 Card # Job Ref #			_INA	Ticket #:700-821380Bid #:Walk-in BidDate:7/16/2017Generator:BC OPERATING, INC.Generator #:Well Ser. #:Well Ser. #:37902Well Name:ANGELLWell #:1Field:Field:Field #:Rig:NON-DRILLINGCountyLEA (NM)				
Facility: CRI											
Product / Serv	ice.					Qu	antity Ur	nits			i.
Contaminated	t)				20.00 y	ards					
_	Cell	рН	CI Con	d. %	Solids	TDS	PCI/GM	MR/HR	H2S	% Oìl	Weight
Lab Analysis.	50	0.00	0.00 0.0	0	0						<u> </u>

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

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MSDS Information	_ RCRA Hazardous Waste Analysis	Process Knowledge	$_$ Other (Provide description above) \bigvee	
Driver/ Agent Signatur	eR	360 Representative S	Ignature	

Jriver/ Agent Signature

Customer Approval

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Approved By:

Date:

a and the second se	Customer:	BC OPERATING, INC.	Ticket #:	700-821382
Konton Martin	Customer #:	CRI1430	Bid #:	Walk-in Bid
DDCA	Ordered by:	FRANK ENGALLINA	Date:	7/16/2017
	AFE #:		Generator:	BC OPERATING, INC.
	PO #:		Generator #:	
ENVIRONMENTAL	Manifest #:	NA	Well Ser, #:	37902
SOLUTIONS	Manif. Date:	7/16/2017	Well Name:	ANGELL
Permian Basin	Hauler:	PERAZA TRANSPORT	Well #:	1
Ferniari Dasiri	Driver	ANGEL	Field:	
	Truck #	10	Field #:	
	Card #		Rig:	NON-DRILLING
	Job Ref #		County	LEA (NM)

Product / Service											
Contaminated	Soil (R	CRA Exe	mpt)				12.00 ya	rds			
	Cell	pН	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0,00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

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 MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge Other (Provide description above).

Driver/ Agent Signatu	re R36		ature	
Jon A	Peron_			X
Customer Approval				
	THIS IS NO	T AN INVOICE	!	
Approved By:		Date:		V

F360	Customer: Customer #: Ordered by: AFE #: PO #:	BC OPERATING, INC. CRI1430 FRANK ENGALLINA	Ticket #: Bid #: Date: Generator: Generator #:	700-821383 Walk-in Bid 7/16/2017 BC OPERATING, INC.
ENVIRONMENTAL SOLUTIONS Permian Basin	Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	NA 7/16/2017 PERAZA TRANSPORT ANGEL 11	Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	

Product / Serv	vice					Q	uantity Uni	ts			
Contaminated	l Soil (R	CRA Exe	mpt)				12.00 ya	rds			
	Cell	pН	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0,00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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Driver Agent Signature R360 Representative Signature

Customer Approval

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Approved By:

ENVIRONMENT. SOLUTION	50	Ordere AFE #: PO #: Manife	ner #: d by: st #: Date: : #	BC OPERATING CRI1430 FRANK ENGAL NA 7/16/2017 TWIN PEAK CLINTON 103			Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	700-82138 Walk-in Bi 7/16/2017 BC OPER 37902 ANGELL 1 NON-DRII LEA (NM)	id ATING, IN	IC.	
Facility: CRI											
Product / Serv	ice					Q	uantity U	nits		elan (M. C. S. Sector	
Contaminated	Soil (F	RCRA Exem	pt)				ر 12.00 ر	/ards			
	Cell	pН	CI	Con		TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50 0.00 0.00 0 Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.											
Approved By:		Clim	ta D) cr	-7	Da	ate:				

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ENVIRONMENTA SOLUTION		50	Customer: Customer Ordered by AFE #: PO #: Manifest # Manif. Date Hauler: Driver Truck # Card # Job Ref #	#:C /:F :N e:7. J	RANK ENGAL	LINA		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field: Field #: Rig: County	37902	id ATING, IN	IC.
Facility: CRI											
Product / Servi	Ce	na na san san Ng Kasaran Ng Kasaran	n an tha	202		Qı	antity U	nits			
Contaminated	Soil (RC	CRA Exemp	ot)				12.00 <u>y</u>	yards			
	Cell	pH			%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Cell pH Cl Cond. % Solids TDS PCI/GM MR/HR H2S % Oil Weight Lab Analysis: 50 0.00 0.00 0.00 0 0 Generator Certification Statement of Waste Status Intereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.											

Approved By:

Date:

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36 0		BC OPERATING, INC. CRI1430 FRANK ENGALLINA	Ticket #: Bid #: Date:	700-821396 Walk-in Bid 7/16/2017
	AFE #: PO #:		Generator: Generator #:	
SOLUTIONS	Manifest #: Manif. Date:		Well Ser. #: Well Name:	
Permian Basin	Hauler: Driver	4B SERVICES LLC PABLO	Well #: Field:	1
	Truck # Card #	105	Field #: Ríg:	NON-DRILLING
	Job Ref #		County	LEA (NM)

Product / Service											
Contaminated Soil (RCRA Exempt) 20.00 yards											
Cell pH CI Cond. %Solids TDS PCI/GM MR/HR H2S % Oil									Weight		
Lab Analysis;	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

 \underline{X} RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

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_	mobb momunou		waste Anarysis		55	Omer	(LIOAIRC)	uesont	you abo	٧¢,
Dri	Ver/ Agent Signatu	re		R360 Representativ	e Sian	ature		1		1

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

ENVIRONMEN SOLUTI	ons 🔪	50	Customer Ordered k AFE #: PO #: Manifest s Manif. Da Hauler: Driver Truck # Card #	PO #: Manifest #: NA Manif. Date: 7/16/2017 Hauler: SWORDS TRUCKING Driver JIM Truck # 760 Card #			Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	: 37902			
Facility: CRI											
Prøduct / Se	rvice					ି୍ତ୍ତି	uantity U	nits			
Contaminate	ed Soil (F	RCRA Exem	pt)				12.00	yards			
	Cell	pН		Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis	s : 50	0.00	0.00	0.00	0						
Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for vaste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 26 , subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) _ MSOS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ _ Other (Provide description above) _ MS60 Representative Signature _ MS60 Representative Signature											
		×				A KI IN		ngan an da kasar ng bergesit di 177	a alian a dage da f		
			E I	119	IS NOT	AN IN	IVUIC		\sim	-	
Approved By						Da	ate:]

Approved By:

Date: _____

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R360	Customer #:	BC OPERATING, INC. CRI1430 FRANK ENGALLINA	Ticket #: Bid #: Date: Generator:	700-821416 Walk-in Bid 7/16/2017 BC OPERATING, INC.
ENVIRONMENTAL SOLUTIONS Permian Basin		NA 7/16/2017 PERAZA TRANSPORT ANGEL SR	Generator #: Well Ser. #: Well Name: Well #: Field:	37902
	Truck # Card # Job Ref #	10	Field #: Rig: County	NON-DRILLING LEA (NM)
Facility: CRI Product / Service		Bilantity	Inits	

Contaminated Soil (RCRA Exempt) 12.00 yards											
	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight				
Lab Analysis:	50	0.00	0.00	0.00	0						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

 \underline{X} RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

____RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CER, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

____MSDS Information ____RCRA Hazardous Waste Analysis ___ Process Knowledge ___ Other (Provide description above)/

Driver/ Agent Signature /

Customer Approval

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Approved By:

Date:

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ENVIRONMENTA SOLUTION	IS Mart	50	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	CRI143 FRANK NA 7/16/20	(ENGALL)17 ZA TRANS	.INA		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County		d Ating, in	IC.
Facility: CRI											
Product / Serv	ice					Qu	antity U	nits			
Contaminated	Soil (R	CRA Exemp	t)				12.00	yards			
_	Cell	рН	CI Con	d. %	Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight

0.00

0.00

0,00

Lab Analysis: 50

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

0

 \underline{X} RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous (Check the appropriate items):
 MSDS Information _____ RCRA Hazardous Waste Analysis _____ Process Knowledge ______ Other (Provide description above)

Driver/ Agent Signature	R360 Representative Signature	
Ur Horn	· //	
Customer Approval	s an	ti ini Ti
ТН	HIS IS NOT AN INVOICE!	
Approved By:	Date;	

SOLUTION	ENVIRONMENTAL SOLUTIONS Permian Basin		Custon Ordere AFE #: PO #: Manife Manif. Hauler: Driver Truck # Card #	Manifest #: NA Manif. Date: 7/16/2017 Hauler: SWORDS TRUCKING			Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902			
Facility: CRI											
Product / Servi	lce					Q	uantity U	nits			
Contaminated	Soil (R	CRA Exem	npt)				12.00	yards			
	Cell	pН	Cl	Con		TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.0	0 0						
1988 regulatory of <u>X</u> RCRA Exem waste. RCRA Non-J characteristics est	nat acco letermin pt: Oil I Exempt: tablished	rding to the action, the ab Field wastes Oil field wa d in RCRA r	Resource C oove descril generated i aste which i egulations,	Conserv bed wa from oi s non-l 40 CF	vation and Recove	tion and p es not exc or listed f	production of the minimum of the min	operations and nimum standar waste as define	are not mixed ds for waste l d in 40 CPK,	d with non nazardous part 26	-exempt by subpart D, as

MSDS Information	RCRA Hazardous Waste Analysis	Process Knowledge	Other (Provide description)	on above) V
Driver/ Agent Signatur	e an	360 Representative Sig	jnature /	stand Million
Jinland				
Customer Approval				
	THIS IS N	OT AN INVOIC	E!	V

THIS IS NOT AN INVOICE!

Approved By:

Date: _____

P360	Customer #: Ordered by: AFE #:	BC OPERATING, INC. CRI1430 FRANK ENGALLINA	Ticket #: Bid #: Date: Generator:	700-821428 Walk-in Bid 7/16/2017 BC OPERATING, INC.
ENVIRONMENTAL SOLUTIONS Permian Basin	PO #: Manifest #: Manif. Date: Hauler: Driver Truck #		Generator #: Well Ser. #: Well Name: Well #: Field: Field #:	37902 ANGELL 1
	Card # Job Ref #		Rig: County	NON-DRILLING LEA (NM)

Product / Service											
Contaminated	Soil (R	CRA Exe	mpt)				12.00 ya	rds			
	Cell	pН	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

 \underline{X} RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)

Driver/ Agent Signature R360 Representative Signature

Customer Approval

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Approved By:

ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	FRANK ENGALLINA	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Field: Field #: Rig: County	37902	INC.
Facility: CRI					
Product / Service		a	uantity Units		
Contaminated Soil (RCRA Exemp	t)		12.00 yards		
Cell pH	CI Con		PCI/GM MR/HR	H2S % O	il Weight
Lab Analysis; 50 0.00	0.00 0.0	0 00			

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

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Customer Approval

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Approved By:

a in	Customer:	BC OPERATING, INC.	Ticket #:	700-821445
APPRILING THE PROPERTY AND A STATE OF A	Customer #:	CRI1430	Bid #:	Walk-in Bid
	Ordered by:	FRANK ENGALLINA	Date:	7/16/2017
	AFE #:		Generator:	BC OPERATING, INC.
	PO #:		Generator #:	
ENVIRONMENTAL	Manifest #:	NA	Well Ser. #:	37902
SOLUTIONS	Manif. Date:	7/16/2017	Well Name:	ANGELL
Permian Basin	Hauler:	PERAZA TRANSPORT	Well #:	1
Fermian Dasin	Driver	ANGEL SR	Field:	
	Truck #	10	Field #:	
	Card #		Rig:	NON-DRILLING
	Job Ref #		County	LEA (NM)

Product / Service											
Contaminated Soil (RCRA Exempt) 12.00 yards											
	Cell	pН	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0,00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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_____ MSDS Information _____ RCRA Hazardous Waste Analysis _____ Process Knowledge _____ Other (Provide description above)

Driver/ Agent Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

ENVIRONMENTAL SOLUTIONS	Customer #: Ordered by: AFE #: PO #:	FRANK ENGALLINA NA	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	· · · ·
Facility: CRI		un sin an un composition and an	. ,		

Product / Service											
Contaminated Soil (RCRA Exempt) 12.00 yards											
	Cell	pН	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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 _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)

Driver/ Agent Signature Signature/

and a Ø.C.

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

ENVIRONMENTAL SOLUTIONS Permian Basin	Customer #: Cf Ordered by: FF AFE #: PO #: Manifest #: NA Manif. Date: 7/2 Hauler: TV	RANK ENGALI A 21/2017 WIN PEAK LINTON			Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field: Field #: Rig: County	37902	d ATING, IN	IC.	
Facility: CRI									
Product / Service			Q	uantity U	nits			n n Na se	
Contaminated Soil (RCRA Exemp	ot)			12.00	yards				
Cell pH	Cl Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight	
Lab Analysis: 50 0.00	0.00 0.00	0							
Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) Driver/ Agent Signature R360 Representative Signature									
Customer Approval								\sim	
Approved By:	THIS the Dr-				E			$\left(\right)$	

Approved By: _____ Date: _____

ENVIRONMENTA SOLUTION	DNS Manif. Date: 7/21/2017					-		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field: Field #: Rig: County	37902	id ATING, IN	IC.
Facility: CRI											
Product / Service											•
Contaminated	Soil (R	CRA Exem	pt)			nin Administrative division	12.00	yards	n de la d	Angeles and Control for the	
	Cell	pН	CI	Conc	. %Solids	TDS	PCI/GM	I MR/HR	H2S	% Oil	Weight
Lab Analysis;	50	0.00	0.00	0.00	0						######################################
Lab Analysis: 50 0.00 0.00 0 Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart I), as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) Driver Agent Signature R360 Representative Signature _ MUtany for the Approval THIS IS NOT AN INVOICE!											

THIS IS NOT AN INVOICE!

Approved By:

ENVIRONMENT SOLUTION Permian Basir	NS S	50	Customer: BC OPERATING, INC. Customer #: CRI1430 Ordered by: FRANK ENGALLINA AFE #: PO #: Manifest #: NA Manif. Date: 7/21/2017 Hauler: SWORDS TRUCKING Driver JIM Truck # 980 Card # Job Ref #					Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field: Field #: Rig: County		d ATING, IN	IC.
Facility: CRI											
Product / Service											
Contaminated	Soil (RC	CRA Exemp	et)				12.00 y	/ards			
Into Augurate	Cell	pH	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis: Cent Cont Cont </td											
Approved By:	proved By: Date:										

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ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: BC OPERAT Customer #: CRI1430 Ordered by: FRANK ENG AFE #: PO #: Manifest #: NA Manif. Date: 7/21/2017 Hauler: TWIN PEAK Driver CLINTON Truck # 102 Card # Job Ref #	Bid #: Date: Generator: Generator # Well Ser. #: Well Name:	37902						
Facility: CRI									
Product / Service		Quantity Units							
Contaminated Soil (RCRA Exer	npt)	12.00 yards							
Cell pH		TDS PCI/GM MR/HR	H2S % Oil Weight						
Cell pH Cl Cond. %Solids TDS PCI/GM MR/HR H2S % Oil Weight Lab Analysis: 50 0.00 0.00 0.00 0 0 0 Generator Certification Statement of Waste Status Ihereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.									

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ENVIRONMENTAL SOLUTIONS		Ordere AFE # PO #: Manife	mer #: ed by: :: Date: r: #	BC OPI CRI143 FRANK NA 7/21/20 SWORI JIM 980	0 ENGAI 17	·		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902			
Facility: CRI												
Product / Serv	ice						Q	uantity U	nits			A
Contaminated	Soil (R	CRA Exem	ipt)					12.00	yards			
	Cell	pН	CI	Cond		Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.0	0	0						
Generator Cer I hereby certify t 1988 regulatory X RCRA Exem waste. RCRA Non- characteristics es amended. The fo MSDS Infor Driver/ Agent s Customer App	hat accor determina npt: Oil F Exempt: stablished ollowing mation Signatu	ding to the ation, the ab ield wastes Oil field wa in RCRA r documentat RCRA	Resource (ove descrigenerated uste which egulations ion is attac	Conserv ibed was from oi is non-h , 40 CF ched to	ation and ste is: 1 and gas nazardou: R 261.21 demonstr	explorates that do -261.24 ate the a	tion and p es not exc or listed h bove-desc ocess Kno	roduction of eed the min azardous v cribed wast	operations and nimum standar waste as define te is non-hazar Other (Prov	are not mixe ds for waste d in 40 CFR løus. (Check	ed with nor hazardous , part 261, c the appro	n-exempt by subpart D, as priate items):
a avoint at the	U	o do Rex (11) - 1			nina fili-	na tanàn T	1993년 - 영	27487 (요구한) 	in a hypother age a			\mathbf{V}
				THI	S IS I	NOT		IVOIC	E!			V
Approved By:							Da	ate:				

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A BARANTAL SOLUTIONS Permian Basin	Customer: BC OPERATING Customer #: CRI1430 Ordered by: FRANK ENGAL AFE #: PO #: Manifest #: NA Manif. Date: 7/21/2017 Hauler: TWIN PEAK Driver JULIAN Truck # 203 Card # Job Ref #	Bid #: NA Date: Generator: Generator : Well Ser. #	#:
Facility: CRI			
Product / Service		Quantity Units	
Contaminated Soil (RCRA Exemp	ot)	12.00 y ards	
Cell pH Lab Analysis; 50 0.00	Cl Cond. %Solids	TDS PCI/GM MR/HR	H2S % Oil Weight
Generator Certification Statement I hereby certify that according to the R 1988 regulatory determination, the abo X RCRA Exempt: Oil Field wastes g waste. RCRA Non-Exempt: Oil field wastes characteristics established in RCRA reg amended. The following documentation MSDS Information RCRA H Driver/ Agent Signature Customer Approval Approved By:	esource Conservation and Recover we described waste is: enerated from oil and gas explorati te which is non-hazardous that does gulations, 40 CFR 261.21-261.24 of on is attached to demonstrate the ab (azardous Waste Analysis Pro R360 R4	n and production operations an not exceed the minimum stand listed hazardous waste as defin ve-described waste is non-haza ss Knowledge Other (Pr presentative Signature	ad are not mixed with non-exempt ards for waste hazardous by ned in 40 CER, part 261, subpart D, as ardous. (Cleck the appropriate items): ovide description above)

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ENVIRONMEN SOLUTIC	INS 🗞	50	Customer: Customer # Ordered by AFE #: PO #: Manifest #: Manif. Date Hauler: Driver Truck # Card # Job Ref #	CRI14 FRAN NA : 7/21/2 EL TR	FRANK ENGALLINA NA 7/21/2017 EL TRAVIEZO TRUCKING JESUS			Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	700-82248 Walk-in Bi 7/21/2017 BC OPER 37902 ANGELL 1 NON-DRIE LEA (NM)	d ATING, IN	IC.
Facility: CRI											
Product / Ser	vice					Qu	antity U	nits			
Contaminate	d Soil ((RCRA Exem	pt)				20.00	yards			
	Cell	pН	Cl Co	nd. %	6Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis	50	0.00	0.00 0.	00	0						
Generator Ce	rtifica	tion Stateme	nt of Waste S	tatus							· · ·

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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MSDS Information			Other (Provide description above) /
Driver/ Agent Signatur	r∉/ // ∕//₩/	360 Representative Sig	gnature
Customer Approval	W.		
	THIS IS NO	OT AN INVOIC	E!
Approved By:		Date:	\/

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ENVIRONMENTA SOLUTION	IS Sal	50	Order AFE # PO #: Manife	mer #: C ed by: F t: Date: 7, r: T f f # 1 #	C OPERATIN RI1430 RANK ENGAI /21/2017 WIN PEAK LINTON 02			Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902	id RATING, IN	NC.
Facility: CRI											
Product / Serv	ice					Q	uantity U	nits			/
Contaminated	Soil (R	CRA Exen	npt)				12.00	yards			
Lab Analysis:	Cell	рН 0.00	CI 0.00	Cond. 0.00	%Solids 0	TDS	PCI/GM	MR/HR	H2S	% 9/i	Weight
Generator Cerr I hereby certify th 1988 regulatory of X RCRA Exem waste. RCRA Non- characteristics es amended. The for MSDS Infor. Driver/ Agent S Customer App Approved By:	hat accord determin apt: Oil F Exempt: tablished bilowing mation Signatu	rding to the ation, the al Field wastes Oil field wa d in RCRA i documenta RCRA re	Resource 4 pove descr generated aste which regulations tion is atta Hazardou	Conservat ibed waste from oil a is non-ha s, 40 CFR ched to de s Waste A	ion and Recove e is: and gas explora zardous that do 261.21-261.24 monstrate the a nalysis Pr R360 F	tion and p es not exc or listed l bove-des ocess Kno Represer	eed the mi nazardous v cribed wast owledge ntative Si	operations and nimum standar waste as define te is non-hazar Other (Pro gnature	ds for waste d in 40 CFR dous. (Chec.	ed with nor hazardous , part 261/ k the appro	h-exempt by subpart D, as
Approved By: .				7		Da	ate:				

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ENVIRONMENT SOLUTIO	NS CE	500	Custome Custome Ordered AFE #: PO #: Manifest Manif. Da Hauler: Driver Truck # Card # Job Ref s	er#:C by:F #:N ate:7, J J 2	RANK ENGAL A	·		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County		d ATING, IN	IC.
Facility: CRI											
Product / Ser	vice					Q	uantity U	nits	$ \begin{array}{c} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n$		н. 1911 - Маланан Аланан (1914) 1914 - Маланан Аланан (1914)
Contaminated	l Soil (RC	CRA Exemp	ot)	12.00 y	yards						
Lab Analysis:	Cell	рН 0.00	Cl 0.00	Cond. 0.00	%Solids 0	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
waste.	that accord determina mpt: Oil Fi -Exempt: (established following o rmation Signatur	ding to the R ttion, the abo ield wastes g Oil field was in RCRA re documentatio	esource Co ve describe enerated fro te which is gulations, 4 on is attache (azardous V	nservat ed waste om oil a non-ha 0 CFR ed to de vaste A	ion and Recove e is: and gas explorat zardous that doe 261.21-261.24 emonstrate the a nalysis Pro	tion and p es not exc or listed H bove-desc occess Kar Represer	roduction of eed the min azardous v cribed wast wledge tative Sig	operations and nimum standar vaste as define e is non-hazaro Other (Prov phature	are not mixe ds for waste d in 40 CFR, dous. (Check vide descripti	ed with non hazardous , part 261, the approj	i-exempt by subpart D, as priate items):
Approved By:		. <u></u>				Da	ate:				

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ENVIRONMENTA SOLUTION	vs 🍆	50	Order AFE # PO #; Manif	mer #: CF ed by: FF f: est #: N/ . Date: 7/2 r: TV - JU # 20	RANK ENGA A 26/2017 VIN PEAK JLIAN			Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County		id RATING, IN	NC.
Facility: CRI											
Product / Servi	ice					୍କ	uantity U	nits			
Contaminated	Soil (R	CRA Exe	mpt)				12.00 y	/ards			
	Cell	pН	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis: ¯	50	0.00	0.00	0.00	0			3,00		·····	

 \underline{X} RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

_____RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subhart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

THIS IS NOT AN INVOICE!

Approved By:

Date: _____

ENVIRONMENTAL SOLUTIONS	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	FRANK ENGA NA	LLINA			ATING, IN	IC.
Facility: CRI							
Product / Service	an a		Qua	ntity Units			. 1:
Contaminated Soil (RCRA Exem	pt)			20.00 yards			
Cell pH	Cl Cor	nd. %Solids	TDS F	PCI/GM MR/H	R H2S	% Oil	Weight

0.00

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

____ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
_____ MSDS Information _____ RCRA Hazardous Waste Analysis _____ Process Knowledge _____ Other (Provide description above)

Driver/ Agent Signature R360 Representative Signature

50

0.00

0.00

Customer Approval

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Approved By:

Lab Analysis:

ENVIRONMENTAL SOLUTIONS	Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver	FRANK ENGALI			Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field: Field #: Rig: County		d Ating, in	IC.
Facility: CRI								
Product / Service			Qu	antity U	nits			
Contaminated Soil (RCRA Exemp	ot)			12.00 <u>y</u>	yards			
Cell pH	Cl Conc		TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50 0.00	0.00 0.00	0 0						
Generator Certification Statemer I hereby certify that according to the R 1988 regulatory determination, the abo X RCRA Exempt: Oil Field wastes g waste. 	esource Conserv we described was enerated from oi te which is non-H gulations, 40 CFI on is attached to o lazardous Waste	ation and Recovery ste is: I and gas exploration nazardous that does R 261.21-261.24 o demonstrate the ab Analysis Pro	on and pro- s not exce r listed ha ove-descri cess Know	oduction of red the min azardous v ribed wast wiedge tative Sig	operations and nimum standar- waste as define- te is non-hazaro Other (Prov gnature	are not mixe ds for waste d in 40 CFR, lous. (Check	d with nor hazardous part 261, the approp	by subpart D as priate itents
			Dat					V

Approved By:

Date: _____

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Facility: CRI Quantity Units Product / Service Quantity Units Contaminated Soil (RCRA Exempt) 12.00 yards Lab Analysis: 50 0.00 0.00 0 Generator Certification Statement of Waste Status Intereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US E 1988 regulatory determination, the above described waste is: X X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations waste.	
Contaminated Soil (RCRA Exempt) 12.00 yards <u>Cell pH Cl Cond. %Solids TDS PCI/GM MR/</u> <u>Lab Analysis: 50 0.00 0.00 0.00 0.00 0</u> Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US E 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations waste. _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum state characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as d amended. The following documentation is attached to demonstrate the above-described waste is non-here. _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Othere	
Cell pH Cl Cond. %Solids TDS PCI/GM MR/ Lab Analysis: 50 0.00 0.00 0.00 0 0 Generator Certification Statement of Waste Status I I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US E 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations waste. RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum stat characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as d amended. The following documentation is attached to demonstrate the above-described waste is non-h	
Lab Analysis: 50 0.00 0.00 0.00 0 Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US E 1988 regulatory determination, the above described waste is: X X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations waste.	
Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US E 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations waste.	HR H2S % Oil Weight
Customer Approval THIS IS NOT AN INVOICE! Approved By: Date:	and are not mixed with non-exempt ndards for waste hazardous by efined in 40 CFR, part 261, subpart D, as azardous. (Check the appropriate items):

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ENVIRONMENT/ SOLUTION	vs 😽	50		er #: CI d by: FF ot #: N/ Date: 7// CI CI 10	RANK ENGAL 4 26/2017 WIN PEAK LINTON			Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County		d ATING, IN	IC.
Facility: CRI											
Product / Serv	ice					Qi	uantity U	n its			
Contaminated	Soil (R	CRA Exem	pt)				ر 12.00 <u>)</u>	/ards			
Lab Analysis:	Cell 50	pH 0.00	CI 0.00	Cond. 0.00	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Generator Cert I hereby certify th 1988 regulatory of X RCRA Exem waste. RCRA Non-l characteristics es amended. The fo MSDS Inform Driver/ Agent \$ Customer App	hat accon determin upt: Oil F Exempt: tablished bllowing mation Signatu	ding to the F ation, the abo field wastes g Oil field wastes in RCRA re documentati _ RCRA F re	Resource Co ove describ generated fr ste which is egulations, 4 on is attach Hazardous	onservati ed waste com oil ar non-haz 40 CFR 2 led to der Waste An	on and Recove is: nd gas explorat ardous that doe 261.21-261.24 nonstrate the al alysis Pro	tion and p es not exc or listed h bove-desc ocess Kno	roduction of eed the min nazardous w cribed wast	operations and nimum standard vaste as defined e is non-hazard Other (Prov	are not mixe ds for waste d in 40 CFR lous. (Check	ed with non hazardous , part 261, s	-exempt by subpart D, as diate items):
			-	THIS	IS NOT	AN IN	ivoic	E!	/		!
Approved By:	6	1. De	2-7	,		Da	ate:			Í	

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ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: BC OPERATING Customer #: CRI1430 Ordered by: FRANK ENGALI AFE #: PO #: Manifest #: NA Manif. Date: 7/26/2017 Hauler: PERAZA TRANS Driver ANGEL Truck # 7 Card # Job Ref #	Bid #: _INA Date: Generator: Generator #: Well Ser. #: Well Name:	37902
Facility: CRI			
Product / Service		Quantity Units	
Contaminated Soil (RCRA Exem	pt)	20.00 yards	an an the second second and the Breach and an an Article Second
Cell pH	Cl Cond. %Solids	TDS PCI/GM MR/HR	H2S % Oil Weight
Lab Analysis: 50 0.00 Generator Certification Statemer I hereby certify that according to the R 1988 regulatory determination, the abo X RCRA Exempt: Oil Field wastes g waste. RCRA Non-Exempt: Oil field wastes characteristics established in RCRA re amended. The following documentation MSDS Information RCRA H Driver/ Agent Signature Total Advantage Customer Approval	tesource Conservation and Recovery ove described waste is: generated from oil and gas explorations ate which is non-hazardous that does gulations, 40 CFR 261.21-261.24 o on is attached to demonstrate the ab lazardous Waste Analysis Prov R360 Re	on and production operations and s not exceed the minimum standar r listed hazardous waste as define ove-described waste is non-hazar cess Knowledge Other (Pro presentative Signature	l are not mixed with non-exempt rds for waste hazardous by ed in 40 CFR, part 261, subpart D, as rdous, (Check the appropriate items):
Gustomer Approval	THIS IS NOT A		

Approved By:

Date:

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n i , i i	Customer:	BC OPERATING, INC.	Ticket #:	700-823335
	Customer #:	CRI1430	Bid #:	Walk-in Bid
	Ordered by:	FRANK ENGALLINA	Date:	7/26/2017
	AFE #:		Generator:	BC OPERATING, INC.
	PO #:		Generator #:	
ENVIRONMENTAL	Manifest #:	NA	Well Ser. #:	37902
SOLUTIONS	Manif. Date:	7/26/2017	Well Name:	ANGELL
Permian Basin	Hauler:	PERAZA TRANSPORT	Well #:	1
reinnan Dasin	Driver	ANGEL JR	Field:	
	Truck #	2	Field #:	
	Card #		Rig:	NON-DRILLING
	Job Ref #		County	LEA (NM)

Product / Service Quantity Units											
Contaminated	CRA Exe	npt)				20.00 ya	rds				
	Cell	pН	CI	Cond,	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

 \underline{X} RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

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MSDS Information	RCRA Hazardous Waste Ana	lysis _ Process Knowledge	Other (Provide description above)	\
Driver/ Agent Signature	2 . The second secon	R360 Representative	Signature	· \

a Debatora de Cara de C <u> Alexan</u> Customer Approval THIS IS NOT AN INVOICE!

Approved By:

ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: BC OPERATING, INC. Customer #: CRI1430 Ordered by: FRANK ENGALLINA AFE #: PO #: Manifest #: NA Manif. Date: 7/26/2017 Hauler: TWIN PEAK Driver JULIAN Truck # 203 Card # Job Ref #				Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County					
Facility: CRI										
Product // Service										
Contaminated Soil (RCRA Exemp	it)			12.00 ya rds						
Cell pH Lab Analysis: 50 0.00	Cl Con(TDS	PCI/GM	MR/HR	H2S	% Oil	Weight		
Generator Certification Statement of Waste Status Ihereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFP, part 261 stoppart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above) Miner Agent Signature R360 Representative Signature Mucon Matter Approval THIS IS NOT AN INVOICE!										
Approved By: Date:										

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ENVIRONMENTAL SOLUTIONS	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	FRANK ENGA	·		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	37902				
Facility: CRI										
Product / Service										
Contaminated Soil (RCRA Exemp		12.00 yards								
Cell pH Lab Analysis: 50/51 0.00	CI Con 0.00 0.0		TDS	PCI/GM	MR/HR	H2S	% Oil	Weight		
Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July										

1988 regulatory determination, the above described waste is:

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_____MSDS Information _____RCRA Hazardous Waste Analysis _____Process Knowledge _____Other (Provide description above)
Driver/ Agent Signature

Qustomer Approval

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Approved By:

ENVIRONMENTA SOLUTION	IS Sof	50	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	CRI143 FRANK NA 7/26/20 PERAZ	FRANK ENGALLINA NA 7/26/2017 PERAZA TRANSPORT ANGEL JR			Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County			
Facility: CRI											
Product / Service											
Contaminated Soil (RCRA Exempt)				20.00				yards			
	Cell	рH	CI Con	d. %	Solids	TDS	PCI/GN	I MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00 0.0	0	0						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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____MSDS Information ____RCRA Hazardous Waste Analysis ____Process Knowledge ____Other (Provide description above)
Driver/ Agent Signature ______R360 Representative Signature

Customer Approval

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Approved By: