### SITE INFORMATION

### Report Type: Closure nAB1923556267

T 25 S

R 29 E

General	Site I	nforr	nati	on:

Site:	Cabo wabo 24 Federal #005H Flowline Release
Company:	ConocoPhillips

Section, Township and Range Unit Letter L Sec. 34

Lease Number: Facility ID fAB1923556037

County: Eddy

GPS: 32.08284° -103.97705°

Surface Owner: BLM
Mineral Owner: BLM

Depart from Carlsbad, NM (US Hwy 285 and US Hwy 62). Head south on US Hwy 285 for 27.4 miles. Turn left onto Whitehorn Road. Head east for 2.4 miles. Take a slight left onto Longhorn Road. Continue east for 1.8 miles. Turn left onto Pipeline Road Number 1. Head

northeast for 1.9 miles. Destination is on the left.

#### Release Data:

Date Released:	8/2/2019	
Type Release:	Produced Water	
Source of Contamination:	Flowline rupture	
Fluid Released:	47 bbls	
Fluids Recovered:	35 bbls	
	•	

### Official Communication:

Name:	Ike Tavarez	Clair Gonzalez	Shelly Tucker
Company:	Conoco Phillips - RMR	Tetra Tech	Bureau of Land Management
Address:	600 W. Illinois Avenue	901 West Wall Street	620 E. Greene Street
		Suite 100	
City:	Midland, Texas 79701	Midland, Texas	Carlsbad, NM 88220
Phone number:	432-685-2573	432-687-8123	575-200-0614
Fax:			
Email:	Ike.Tavarez@conocophillips.com	clair.gonzalez@tetratech.com	stucker@blm.gov

# Site Characterization Shallowest Depth to Groundwater: 75' below surface Impact to groundwater or surface water: No Extents within 300 feet of a watercourse: No

Extents within 200 feet of lakebed, sinkhole, or playa lake: No Extents within 300 feet of an occupied structure: No

Extents within 300 feet of an occupied structure:

Extents within 500 horizontal feet of a private water well:

Extents within 1000 feet of any water well or spring:

No

Extents within 1000 feet of any water well or spring:

Extents within incorporated municipal well field:

Extents within 300 feet of a wetland:

Extents overlying a subsurface mine:

No

Karst Potential:

Me

Karst Potential:MediumExtents within a 100-year floodplain:NoImpact to areas not on a production site:No

Recommended Remedial Action Levels (RRALs)

recommended re	Cilicalai Aotion E	evels (ITTALS)		
Benzene	Total BTEX	TPH (GRO+DRO+MRO)	Chlor	ides
10 mg/kg	50 mg/kg	100 mg/kg	600 m	ng/kg
			Reclamation Require	ments
		TPH (G	RO+DRO+MRO)	Chloride
			100 mg/kg	600 mg/kg
			•	·

No



October 28, 2021

District Supervisor
Oil Conservation Division, District 1
1625 North French Drive
Hobbs, New Mexico 88240

Re: Closure Report

ConocoPhillips Heritage Concho

Cabo Wabo 24 Federal #005H Flowline Release

Unit Letter L, Section 34, Township 25 South, Range 29 East

**Eddy County, New Mexico** 

2RP-5602

Incident ID nAB1923556267

### Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips (COP) to assess a release that occurred from the Cabo Wabo 24 Federal #005H flowline (Facility ID fAB1923556037), located in the Public Land Survey System (PLSS) Unit Letter L, Section 34, Township 25 South, Range 29 East, in Eddy County, New Mexico (Site). The Site is located at coordinates 32.08284°, -103.97705°, as shown on Figures 1 and 2.

### **BACKGROUND**

According to the State of New Mexico C-141 Initial Report (Appendix A), the release was discovered on August 2, 2019. According to the C-141, the release was caused by a ruptured flowline. The release consisted of 47 barrels (bbl) of produced water. The New Mexico Oil Conservation District (NMOCD) was notified of the release on August 12, 2019, and the site was subsequently assigned the Remediation Permit (RP) number 2RP-5602 and the Incident ID nAB1923556267. The flowline was repaired and 35 bbls of produced water were recovered during the immediate response actions.

### SITE CHARACTERIZATION

A site characterization was performed and no watercourses, lakebeds, sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, springs, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the specified distances. The site is located approximately 225 feet southeast of an ephemeral stream in an area with medium karst potential.

According to the New Mexico Office of the State Engineers (NMOSE) reporting system, there are no water wells within an 800-meter radius, however there are two (2) water wells within 4,000-meter radius of the Site. The average depth to groundwater is 76 ft below ground surface (bgs). The site characterization data is included in Appendix B.

Tetra Tech

Closure Report October 28, 2021

ConocoPhillips

### **REGULATORY FRAMEWORK**

Based upon the release footprint location and in accordance with Subsection E of 19.15.29.12 NMAC, per 19.15.29.11 NMAC, the site characterization data was used to determine recommended remedial action levels (RRALs) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), total petroleum hydrocarbons (TPH), and chlorides in soil.

Based on the site characterization and in accordance with Table I of 19.15.29.12 NMAC, the remediation RRALs for the Site are as follows:

Constituent	Remediation RRAL
Chloride	600 mg/kg
TPH (GRO+DRO+ORO)	100 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

### SITE ASSESSMENT AND SUMMARY OF ANALYTICAL RESULTS

Concho conducted assessment soil sampling at the site on May 12<sup>th</sup> and May 19<sup>th</sup>, 2020. Six (6) hand auger borings (AH-1 through AH-6) were installed within the release extent to depths ranging from 4.5 to 5.5 feet bgs to vertically delineate the release. Eight (8) additional surface samples (North-1 to -3, South-1 to -3, West-1, and East-1) were collected along the perimeter of the release to achieve horizontal delineation of impact. Sampling locations are shown in Figure 3.

A total of thirty-seven (37) samples were collected from the fourteen (14) borings and submitted to Xenco Laboratories in Midland, Texas (Xenco) to be analyzed for chlorides via EPA Method 300.0, TPH via EPA Method 8015M, and BTEX via EPA Method 8021B.

### **REMEDIATION WORK PLAN**

Based on the results of the assessment, Concho submitted a Work Plan dated October 28, 2020 to NMOCD. Concho proposed to excavate soils to a depth of 4 feet bgs in the vicinity of sample locations AH-1, AH-2, and AH-3, and to a depth of 5 to 6 feet bgs in the vicinity of AH-4 to remove chloride above 600 mg/kg. The Work Plan was approved by NMOCD on January 1, 2021 (Appendix A).

### REMEDIATION ACTIVITIES AND CONFIRMATION SAMPLING

From August 23 – September 16, 2021 Tetra Tech personnel were onsite to supervise the remediation activities proposed in the approved Work Plan, including excavation, disposal, and confirmation sampling. Impacted soils were excavated until a representative sample from the walls and bottom of the excavation had a field screening value inferred as lower than the RRALs for the Site. Once field screening was completed, confirmation floor and sidewall samples were collected for laboratory analysis to verify that the impacted materials were properly removed. Each confirmation sample laboratory analytical result was directly compared to the proposed RRALs to demonstrate compliance.

A total of nine (9) floor sample locations and twenty-one (21) sidewall sample locations were collected during the remedial activities. Confirmation sidewall sample locations were labeled with "SW"-#, and confirmation floor sample locations were labeled with "Bottomhole"-#. Excavated areas, depths and confirmation sample locations are shown in Figure 4.

Collected confirmation samples were placed into laboratory-provided sample containers, transferred under chain-of-custody, and analyzed within appropriate holding times by Pace Analytical Services, LLC in Lenexa, Kansas. The soil samples were analyzed for TPH (DRO and ORO) by EPA Method 8015, TPH Low Fraction (GRO) by EPA Method 8015D, BTEX by EPA Method 8260B, and chlorides by EPA Method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C.

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ConocoPhillips

Per the NMOCD-approved Work Plan, the impacted area was excavated to 4 feet below existing grade in the areas around samples Bottomhole-2 through Bottomhole-9, and to 5 feet bgs in the area around Bottomhole-1. All final confirmation soil samples (floor and sidewall) were below the respective RRALs for chloride, BTEX, and TPH. The results of the August and September 2021 confirmation sampling events are summarized in Table 1.

All the excavated material was transported offsite for proper disposal. Approximately 1,116 cubic yards of material were transported to the R360 Red Bluff Facility in Orla, Texas. Photographs from the excavated areas prior to backfill are provided in Appendix D. Once confirmation sampling activities were completed and associated analytical results were below the RRALs, the excavated areas were backfilled with clean material to surface grade. The reclaimed areas contain soil backfill consisting of suitable material to establish vegetation at the site. Copies of the waste manifests are included in Appendix E.

The backfilled areas were contoured to match the surrounding terrain and seeded with a BLM seed mixture in September 2021 to aid in revegetation. Site inspections will be performed to assess the revegetation progress and evaluate the site for the presence of primary or secondary noxious weeds. If noxious weeds are identified, the NMSLO will be contacted to determine an effective method for eradication. If the site does not show revegetation after one growing season, the area will be reseeded as appropriate.

### **CONCLUSION**

ConocoPhillips respectfully requests closure of this release based on the confirmation sampling results and remediation activities performed. The final C-141 forms are enclosed in Appendix A. If you have any questions concerning the remediation activities for the Site, please call me at 432-687-8123, or email at <a href="mailto:clair.gonzales@tetratech.com">clair.gonzales@tetratech.com</a>.

Sincerely,

Tetra Tech, Inc.

Clair Gonzales Project Manager

CC:

Mr. Ike Tavarez - ConocoPhillips

Closure Report
October 28, 2021
ConocoPhillips

### **LIST OF ATTACHMENTS**

### Figures:

Figure 1 – Site Location Map

Figure 2 – Topographic Map

Figure 3 – Approximate Release Extent Assessment Map

Figure 4 – Remediation Extents and Confirmation Sampling Locations

### Tables:

Table 1 – Summary of Analytical Results – Confirmation Sampling

### Appendices:

Appendix A – C-141 Forms

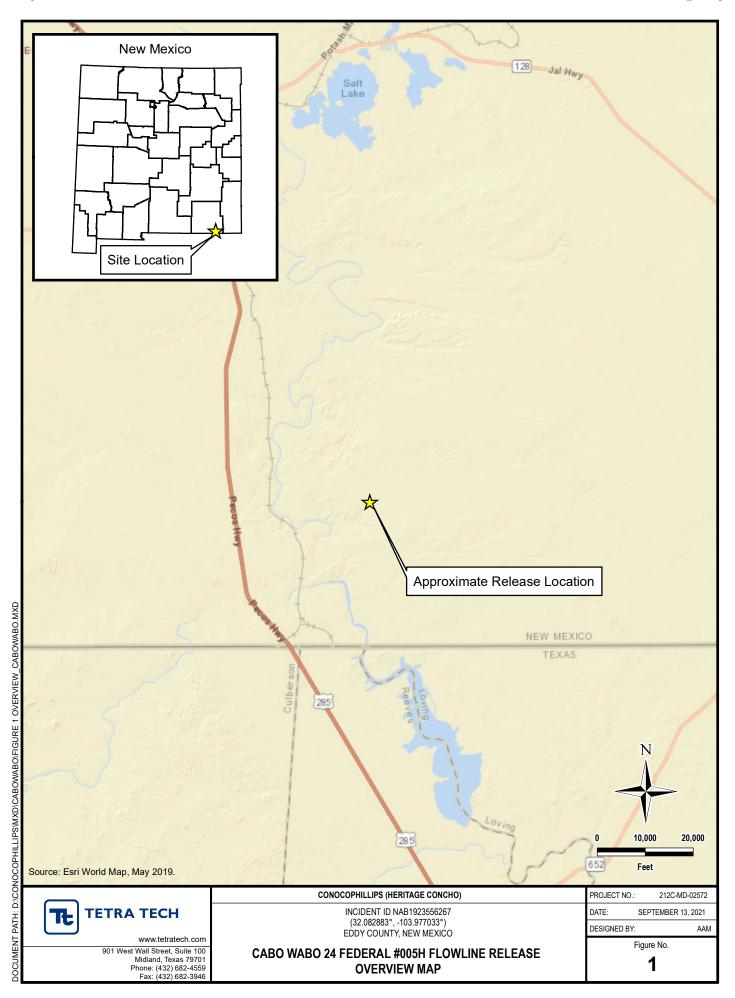
Appendix B - Site Characterization Data

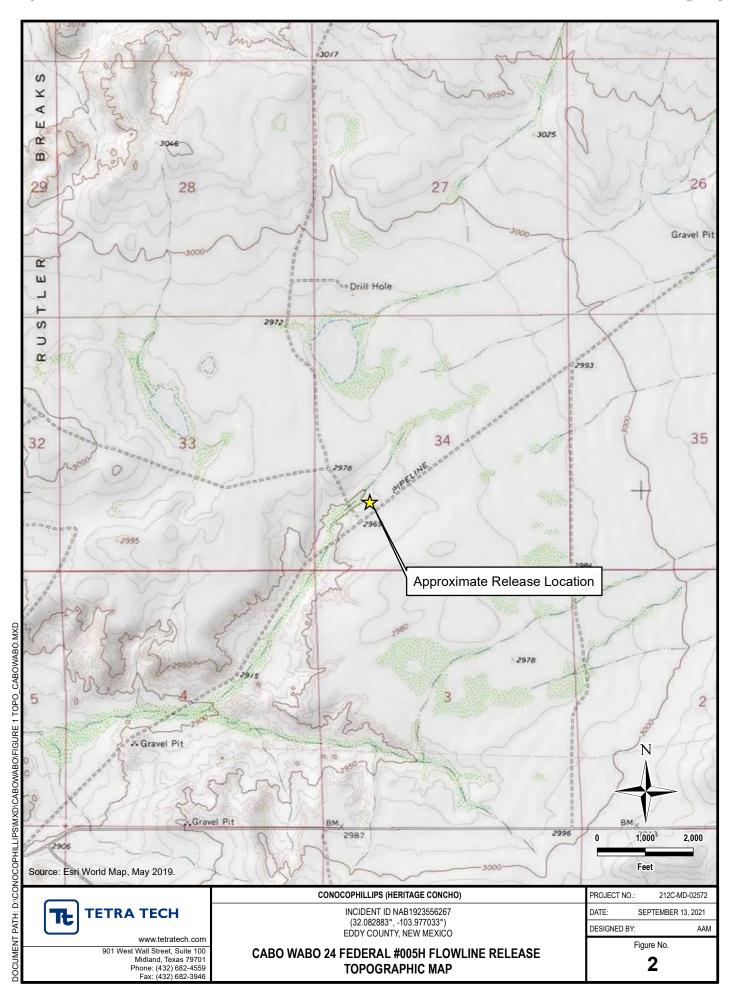
Appendix C - Laboratory Analytical Data

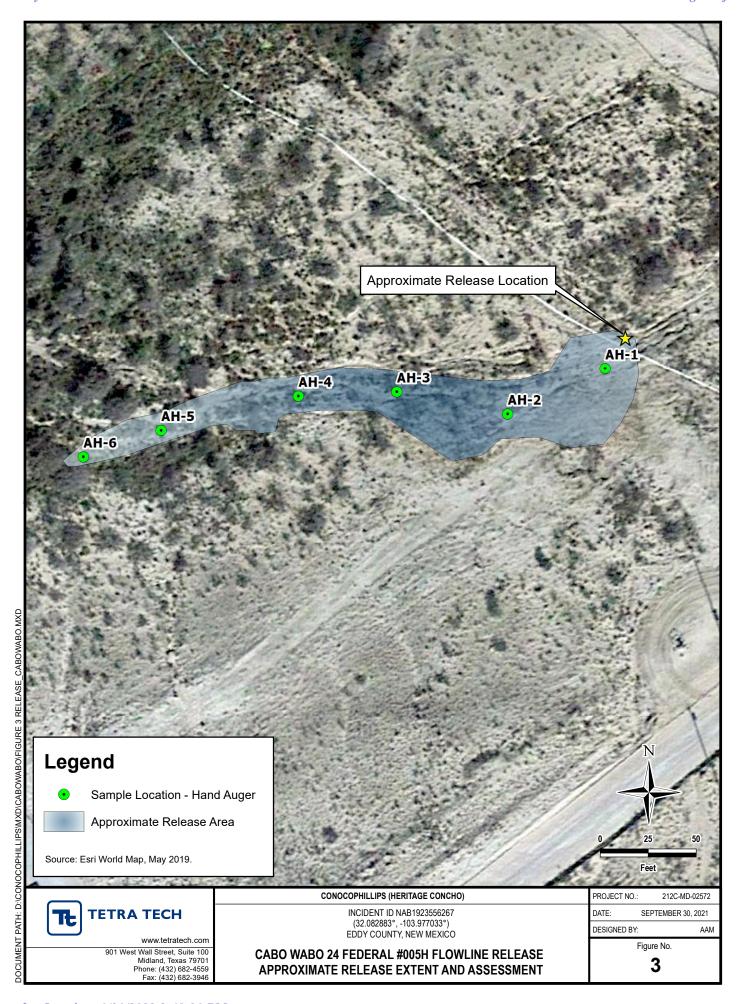
Appendix D – Photographic Documentation

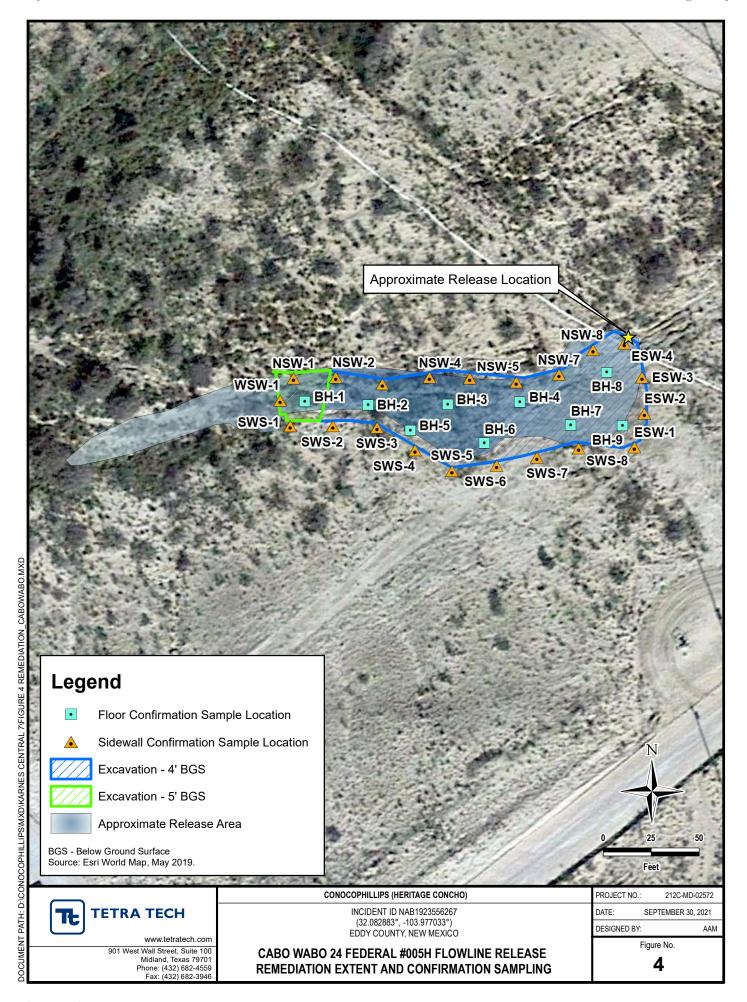
Appendix E - Waste Manifests

## **FIGURES**









## **TABLES**

Table 1 ConocoPhillips Cabo Wabo 24 Federal #005H Eddy County, NM

Sample ID	Sample Date	Sample	Soil	Status		TPH (ı	mg/kg)		Benzene	Toluene	Ethlybenzen	Xylene	Total BTEX	Chloride
		Depth (ft)	In-Situ	Removed	GRO	DRO	ORO	Total	(mg/kg)	(mg/kg)	e (mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
WSW-1	9/1/2021	5	X	-	<11.7	<21.0	<21.0	<21.0	<5.8	<5.8	<5.8	<17.5	<17.5	<111
SWS-1	9/1/2021	5	Х	-	<11.3	<10.6	<10.6	<11.3	<5.7	<5.7	<5.7	<17.0	<17.0	<111
SWS-2	9/1/2021	4	Х	-	<12.3	<10.8	<10.8	<12.3	<6.2	<6.2	<6.2	<18.5	<18.5	<111
SWS-3	9/1/2021	4	Х	-	<12.0	<10.7	<10.7	<12.0	<6.0	<6.0	<6.0	<18.0	<18.0	<111
SWS-4	9/1/2021	4	X	-	<13.2	<11.4	<11.4	<13.2	<6.6	<6.6	<6.6	<19.8	<19.8	<111
SWS-5	9/1/2021	4	X	-	<14.9	<37.2	<37.2	<37.2	<7.5	<7.5	<7.5	<22.4	<22.4	<126
SWS-6	9/1/2021	4	Х	-	<11.7	<11.0	<11.0	<11.7	<5.9	<5.9	<5.9	<17.6	<17.6	<108
SWS-7	9/1/2021	4	Х	-	<13.0	<11.8	<11.8	<13.0	<6.5	<6.5	<6.5	<19.5	<19.5	<115
SWS-8	9/1/2021	4	Х	-	<11.4	<10.8	13.0	13.0	<5.7	<5.7	<5.7	<17.2	<17.2	<105
NSW-1	9/1/2021	5	Х	-	<13.3	<11.5	<11.5	<13.3	<6.7	<6.7	<6.7	<20.0	<20.0	185
NSW-2	9/1/2021	4	Х	-	<13.0	<11.8	<11.8	<13.0	<6.5	<6.5	<6.5	<19.5	<19.5	<116
NSW-3	9/1/2021	4	Х	-	<11.4	<10.9	<10.9	<11.4	<5.7	<5.7	<5.7	<17.1	<17.1	112
NSW-4	9/1/2021	4	Х	-	<11.6	<11.0	<11.0	<11.6	<5.8	<5.8	<5.8	<17.4	<17.4	124
NSW-5	9/1/2021	4	Х	-	<11.8	<10.9	<10.9	<11.8	<5.9	<5.9	<5.9	<17.7	<17.7	218
NSW-6	9/1/2021	4	Х	-	<12.7	12.8	14.8	27.6	<6.3	<6.3	<6.3	<19.0	<19.0	<111
NSW-7	9/1/2021	4	Х	-	<12.5	<10.9	<10.9	<12.5	<6.3	<6.3	<6.3	<18.8	<18.8	163
NSW-8	9/1/2021	4	Х	-	<11.7	<10.6	<10.6	<11.7	<5.8	<5.8	<5.8	<17.5	<17.5	<110
ESW-1	9/1/2021	4	Х	-	<12.3	<11.2	<11.2	<12.3	<6.1	<6.1	<6.1	<18.4	<18.4	<111
ESW-2	9/1/2021	4	Х	-	<12.3	<10.9	<10.9	<12.3	<6.1	<6.1	<6.1	<18.4	<18.4	426
ESW-3	9/1/2021	4	Х	-	<12.0	<10.7	<10.7	<12.0	<6.0	<6.0	<6.0	<18.0	<18.0	216
ESW-4	9/1/2021	4	Х	-	<12.3	<20.4	<20.4	<20.4	<6.2	<6.2	<6.2	<18.5	<18.5	<114
Bottomhole-1	9/1/2021	5	Х	-	<12.7	<11.2	<11.2	<12.7	<6.4	<6.4	<6.4	<19.1	<19.1	246
Bottomhole-2	9/1/2021	4	Х	-	<11.8	<11.2	<11.2	<11.8	<5.9	<5.9	<5.9	<17.8	<17.8	<109
Bottomhole-3	9/1/2021	4	Х	-	<11.2	<10.8	<10.8	<11.2	<5.6	<5.6	<5.6	<16.7	<16.7	<110
Bottomhole-4	9/1/2021	4	Х	-	<12.8	<11.5	<11.5	<12.8	<6.4	<6.4	<6.4	<19.2	<19.2	339
Bottomhole-5	9/1/2021	4	Х	-	<11.7	<10.6	<10.6	<11.7	<5.8	<5.8	<5.8	<17.5	<17.5	<105
Bottomhole-6	9/1/2021	4	Х	-	<11.0	<10.2	<10.2	<11.0	<5.5	<5.5	<5.5	<16.4	<16.4	273
Bottomhole-7	9/1/2021	4	Х	-	<12.0	<10.7	<10.7	<12.0	<6.0	<6.0	<6.0	<18.0	<18.0	<109
Bottomhole-8	9/1/2021	4	Х	-	<11.6	<10.6	<10.6	<11.6	<5.8	<5.8	<5.8	<17.4	<17.4	281
Bottomhole-9	9/1/2021	4	Х	-	<12.0	<10.3	<10.3	<12.0	<6.0	<6.0	<6.0	<18.0	<18.0	235

(-)

Excavated Not Analyzed

# **APPENDIX A C-141 Forms**

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

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

Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

## **Release Notification**

### **Responsible Party**

Responsible Party				OGRID	OGRID		
Contact Name					Contact Telephone		
Contact email					Incident # (assigned by OCD)		
Contact mail	ing address			<u> </u>			
			Location	of Release S	Source		
Latitude				Longitude			
			(NAD 83 in dec	cimal degrees to 5 deci	imal places)		
Site Name				Site Type			
Date Release	Discovered			API# (if ap	pplicable)		
Unit Letter	Section	Township	Range	Cou	nty	_	
Surface Owner	r: State	☐ Federal ☐ Tr	ribal Drivata ()	Nama		,	
Surface Owner	i. State	rederar 11	ibai 🔲 Fiivate (1	vame		)	
			Nature and	d Volume of	Release		
	Materia	l(s) Released (Select al	ll that annly and attach	calculations or specifi	e justification for th	ne volumes provided below)	
Crude Oil		Volume Release		curculations of specifi	Volume Recovered (bbls)		
Produced	Water	Volume Release	ed (bbls)		Volume Recovered (bbls)		
			tion of dissolved c	hloride in the	☐ Yes ☐ No		
Пол	4.	produced water			V.I. D. 1411)		
Condensa		Volume Release			Volume Recovered (bbls)		
Natural G		Volume Release				overed (Mcf)	
Other (describe) Volume/Weight Released (provide unit			e units)	Volume/We	ight Recovered (provide units)		
- an I							
Cause of Rele	ease						

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Was this a major If release as defined by	YES, for what reason(s) does the responsible party consider this a major release?
19.15.29.7(A) NMAC?	
☐ Yes ☐ No	
If VES was immediate notice	the given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
ii 125, was ininectate notice	to given to the GCD. By whom: To whom: When and by what means (phone, chian, etc):
	Initial Response
The responsible party	ty must undertake the following actions immediately unless they could create a safety hazard that would result in injury
☐ The source of the release	e has been stopped.
☐ The impacted area has be	een secured to protect human health and the environment.
Released materials have	been contained via the use of berms or dikes, absorbent pads, or other containment devices.
All free liquids and recov	verable materials have been removed and managed appropriately.
If all the actions described ab	bove have <u>not</u> been undertaken, explain why:
has begun, please attach a na	It the responsible party may commence remediation immediately after discovery of a release. If remediation arrative of actions to date. If remedial efforts have been successfully completed or if the release occurred rea (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
	ation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and
public health or the environment	uired to report and/or file certain release notifications and perform corrective actions for releases which may endanger it. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have
addition, OCD acceptance of a C	and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
and/or regulations.	
Printed Name:	Title:
Signature: Delun Or	Date:
email:	
-	
OCD Only	
Received by:	Date:

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### Site Assessment/Characterization

 $This information \ must \ be \ provided \ to \ the \ appropriate \ district \ of fice \ no \ later \ than \ 90 \ days \ after \ the \ release \ discovery \ date.$ 

What is the shallowest depth to groundwater beneath the area affected by the release?	(ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☐ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☐ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☐ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☐ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☐ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☐ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☐ No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	☐ Yes ☐ No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
Characterization Report Checklist: Each of the following items must be included in the report.	
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well Field data  □ Data table of soil contaminant concentration data □ Depth to water determination □ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release □ Boring or excavation logs □ Photographs including date and GIS information □ Topographic/Aerial maps □ Laboratory data including chain of custody	ls.

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

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I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a thr addition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	occupifications and perform corrective actions for releases which may endanger occuping does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In
Printed Name:	_ Title:
Printed Name:  Signature: Jacqui Thous	
email:	Telephone:
OCD Only	
	D .
Received by:	Date:
Received by:	Date:

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State of New Mexico
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## **Remediation Plan**

Remediation Plan Checklist: Each of the following items must b	e included in the plan.
<ul> <li>□ Detailed description of proposed remediation technique</li> <li>□ Scaled sitemap with GPS coordinates showing delineation poin</li> <li>□ Estimated volume of material to be remediated</li> <li>□ Closure criteria is to Table 1 specifications subject to 19.15.29.</li> <li>□ Proposed schedule for remediation (note if remediation plan tin</li> </ul>	ts 12(C)(4) NMAC
Deferral Requests Only: Each of the following items must be con	nfirmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around p deconstruction.	roduction equipment where remediation could cause a major facility
Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human healt	n, the environment, or groundwater.
	e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of
Printed Name:	Title:
Signature:	Date:
email:	Telephone:
OCD Only	
Received by:	Date:
☐ Approved	Approval
Signature: Authorities Signature:	Date: 01/21/2021

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Application ID	

## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

A scaled site and sampling diagram as described in 19.15.29.	11 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate OD	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rehuman health or the environment. In addition, OCD acceptance of	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in
Printed Name	Title:
Signature: _ /4 7/5	Date:
email:	Telephone:
OCD Only	
Received by:	Date:
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations.
Closure Approved by:	Date:
Printed Name:	Title:

# **APPENDIX B Site Characterization Data**



# New Mexico Office of the State Engineer Water Column/Average Depth to Water

No records found.

**UTMNAD83 Radius Search (in meters):** 

**Easting (X):** 596539.97 **Northing (Y):** 3550080.47 **Radius:** 800

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



# New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW#### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is

closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

	POD Sub-		Q	Q C	)						Denth	Depth	Water
POD Number	Code basin	County			•	Tws	Rng	Х	Υ	Distance	•	-	Column
C 04473 POD1	CUB	ED	3	4 3	3 33	25S	29E	595018	3549768 🎒	1553	110		
C 03508 POD1	С	ED	1	3 3	3 05	26S	29E	593063	3548361 🌍	3878	140	75	65
C 03507 POD1	С	ED	1	3 3	3 05	26S	29E	593064	3548313 🌍	3899	140	78	62

76 feet Average Depth to Water:

> Minimum Depth: 75 feet

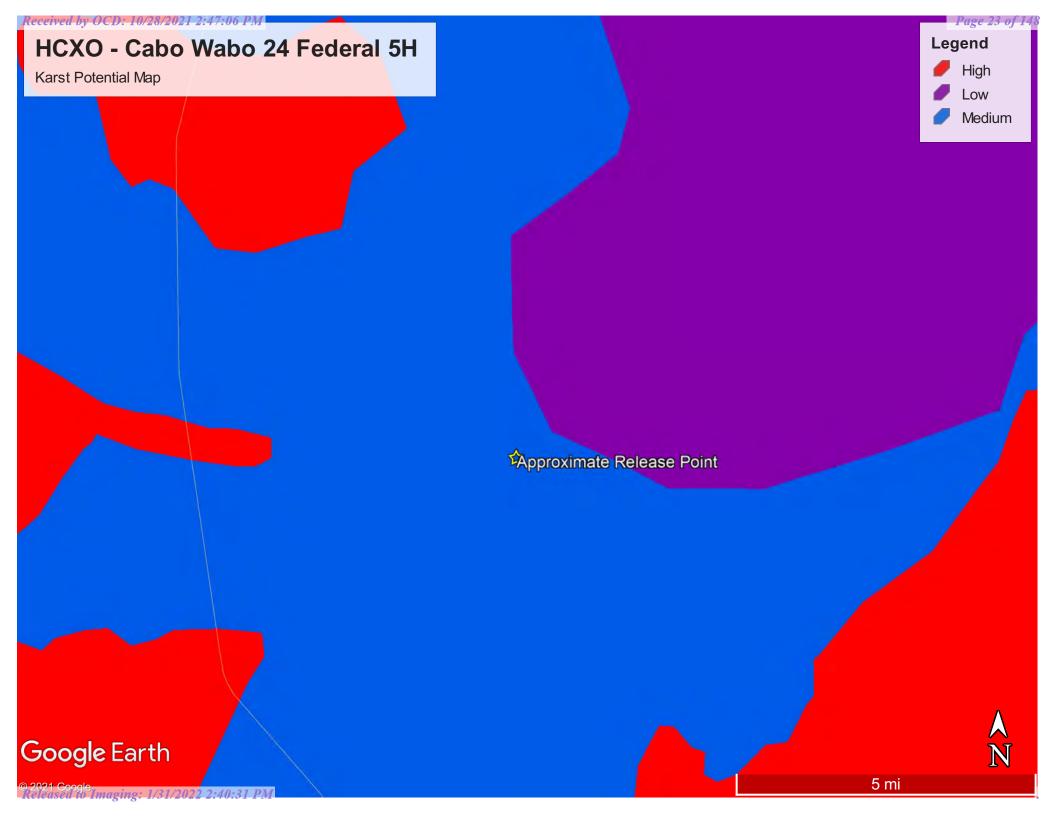
Maximum Depth: 78 feet

**Record Count: 3** 

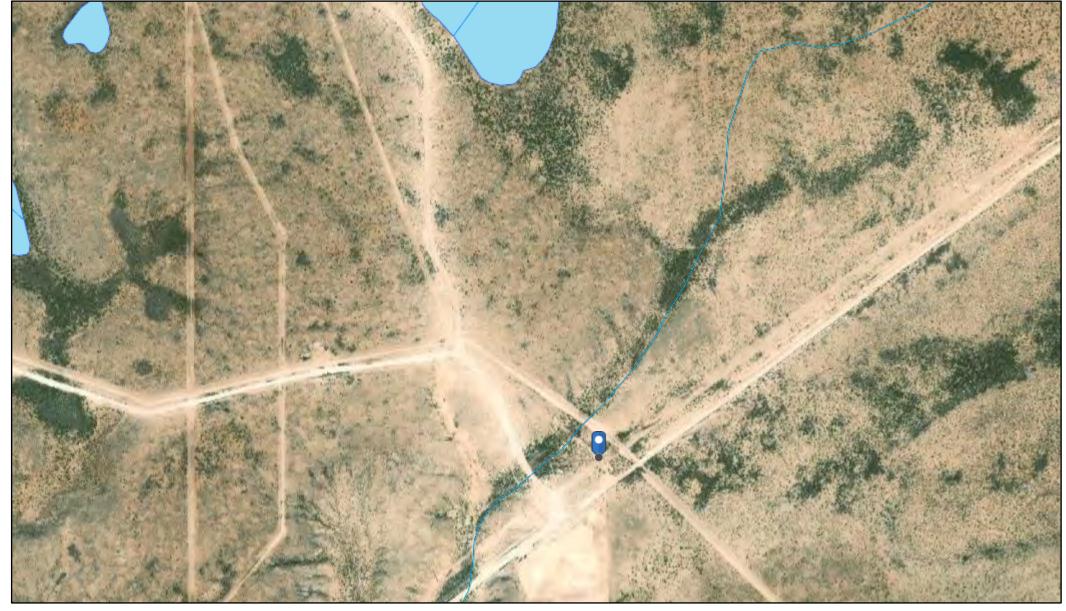
**UTMNAD83 Radius Search (in meters):** 

Radius: 4000 Easting (X): 596539.97 Northing (Y): 3550080.47

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



## Cabo Wabo - OCD Waterbodies



8/17/2021, 9:48:14 AM



**OSE Water-bodies** 



PLJV Probable Playas



# APPENDIX C Laboratory Analytical Data



September 08, 2021

Clair Gonzales

RE: Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

### Dear Clair Gonzales:

Enclosed are the analytical results for sample(s) received by the laboratory on September 03, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

• Pace Analytical Services - Kansas City

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nolie Wood nolie.wood@pacelabs.com 1(913)563-1401 Project Manager

This Wood

**Enclosures** 





### **CERTIFICATIONS**

Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

**Pace Analytical Services Kansas** 

9608 Loiret Boulevard, Lenexa, KS 66219

Missouri Inorganic Drinking Water Certification #: 10090

Arkansas Drinking Water

Arkansas Certification #: 20-020-0

Arkansas Drinking Water

Illinois Certification #: 2000302021-3

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116 Louisiana Certification #: 03055 Nevada Certification #: KS000212020-2 Oklahoma Certification #: 9205/9935 Florida: Cert E871149 SEKS WET Texas Certification #: T104704407-19-12 Utah Certification #: KS000212019-9

Illinois Certification #: 004592

Kansas Field Laboratory Accreditation: # E-92587 Missouri SEKS Micro Certification: 10070

### **REPORT OF LABORATORY ANALYSIS**





### **SAMPLE SUMMARY**

Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60379264001	WSW-1(5')	Solid	09/01/21 14:00	09/03/21 09:00
60379264002	SWS-1(5')	Solid	09/01/21 14:00	09/03/21 09:00
60379264003	SWS-2(4')	Solid	09/01/21 14:00	09/03/21 09:00
60379264004	SWS-3(4')	Solid	09/01/21 14:00	09/03/21 09:00
60379264005	SWS-4(4')	Solid	09/01/21 14:00	09/03/21 09:00
60379264006	SWS-5(4')	Solid	09/01/21 14:00	09/03/21 09:00
60379264007	SWS-6(4')	Solid	09/01/21 14:00	09/03/21 09:00
60379264008	SWS-7(4')	Solid	09/01/21 14:00	09/03/21 09:00
60379264009	SWS-8(4')	Solid	09/01/21 14:00	09/03/21 09:00
60379264010	NSW-1(5')	Solid	09/01/21 14:00	09/03/21 09:00
60379264011	NSW-2(4')	Solid	09/01/21 14:00	09/03/21 09:00
60379264012	NSW-3(4')	Solid	09/01/21 14:00	09/03/21 09:00
60379264013	NSW-4(4')	Solid	09/01/21 14:00	09/03/21 09:00
60379264014	NSW-5(4')	Solid	09/01/21 14:00	09/03/21 09:00
60379264015	NSW-6(4')	Solid	09/01/21 14:00	09/03/21 09:00
60379264016	NSW-7(4')	Solid	09/01/21 14:00	09/03/21 09:00
60379264017	NSW-8(4')	Solid	09/01/21 14:00	09/03/21 09:00
60379264018	ESW-1(4')	Solid	09/01/21 14:00	09/03/21 09:00
60379264019	ESW-2(4')	Solid	09/01/21 14:00	09/03/21 09:00
60379264020	ESW-3(4')	Solid	09/01/21 14:00	09/03/21 09:00
60379264021	ESW-4(4')	Solid	09/01/21 14:00	09/03/21 09:00
60379264022	BOTTOMHOLE-1(5')	Solid	09/01/21 14:00	09/03/21 09:00
60379264023	BOTTOMHOLE-2(4')	Solid	09/01/21 14:00	09/03/21 09:00
60379264024	BOTTOMHOLE-3(4')	Solid	09/01/21 14:00	09/03/21 09:00
60379264025	BOTTOMHOLE-4(4')	Solid	09/01/21 14:00	09/03/21 09:00
60379264026	BOTTOMHOLE-5(4')	Solid	09/01/21 14:00	09/03/21 09:00
60379264027	BOTTOMHOLE-6(4')	Solid	09/01/21 14:00	09/03/21 09:00
60379264028	BOTTOMHOLE-7(4')	Solid	09/01/21 14:00	09/03/21 09:00
60379264029	BOTTOMHOLE-8(4')	Solid	09/01/21 14:00	09/03/21 09:00
60379264030	BOTTOMHOLE-9(4')	Solid	09/01/21 14:00	09/03/21 09:00

### **REPORT OF LABORATORY ANALYSIS**





Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laborator
60379264001	WSW-1(5')	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	LDB	1	PASI-K
0379264002	SWS-1(5')	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	LDB	1	PASI-K
0379264003	SWS-2(4')	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	LDB	1	PASI-K
0379264004	SWS-3(4')	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	LDB	1	PASI-K
0379264005	SWS-4(4')	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	LDB	1	PASI-K
0379264006	SWS-5(4')	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	LDB	1	PASI-K
0379264007	SWS-6(4')	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	LDB	1	PASI-K
0379264008	SWS-7(4')	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K

### **REPORT OF LABORATORY ANALYSIS**





Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	LDB	1	PASI-K
0379264009	SWS-8(4')	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	LDB	1	PASI-K
0379264010	NSW-1(5')	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	LDB	1	PASI-K
0379264011	NSW-2(4')	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	LDB	1	PASI-K
0379264012	NSW-3(4')	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	LDB	1	PASI-K
0379264013	NSW-4(4')	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	LDB	1	PASI-K
0379264014	NSW-5(4')	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	LDB	1	PASI-K
0379264015	NSW-6(4')	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K

### **REPORT OF LABORATORY ANALYSIS**



Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 9056	LDB	1	PASI-K
60379264016	NSW-7(4')	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	LDB	1	PASI-K
0379264017	NSW-8(4')	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	LDB	1	PASI-K
0379264018	ESW-1(4')	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	LDB	1	PASI-K
0379264019	ESW-2(4')	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	LDB	1	PASI-K
0379264020	ESW-3(4')	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	LDB	1	PASI-K
0379264021	ESW-4(4')	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	LDB	1	PASI-K
0379264022	BOTTOMHOLE-1(5')	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	LDB	1	PASI-K
0379264023	BOTTOMHOLE-2(4')	EPA 8015B	AHS	4	PASI-K

### **REPORT OF LABORATORY ANALYSIS**





Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	LDB	1	PASI-K
0379264024	BOTTOMHOLE-3(4')	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	LDB	1	PASI-K
0379264025	BOTTOMHOLE-4(4')	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	LDB	1	PASI-K
0379264026	BOTTOMHOLE-5(4')	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	LDB	1	PASI-K
0379264027	BOTTOMHOLE-6(4')	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	LDB	1	PASI-K
0379264028	BOTTOMHOLE-7(4')	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	LDB	1	PASI-K
0379264029	BOTTOMHOLE-8(4')	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	LDB	1	PASI-K
60379264030	BOTTOMHOLE-9(4')	EPA 8015B	AHS	4	PASI-K
	•	EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K

### **REPORT OF LABORATORY ANALYSIS**





Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	LDB	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

### **REPORT OF LABORATORY ANALYSIS**



### **ANALYTICAL RESULTS**

Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

Sample: WSW-1(5')	Lab ID: 603		Collected: 09/01/2				fatrix: Solid	
Results reported on a "dry weight Parameters	" <b>basis and are ad,</b> Results	iusted for pe Units	ercent moisture, sa Report Limit	mple s DF	size and any dilut Prepared	tions. Analyzed	CAS No.	Qua
015B Diesel Range Organics	Analytical Met	hod: EPA 80°	15B Preparation Me	ethod: E				
5 5	Pace Analytica							
PH-DRO (C10-C28)	ND	mg/kg	21.0	1	09/03/21 13:58	09/06/21 09:22		
PH-ORO (C28-C35) Surrogates	ND	mg/kg	21.0	1		09/06/21 09:22		
-Tetracosane (S)	48	%	31-152	1	09/03/21 13:58	09/06/21 09:22	646-31-1	
-Terphenyl (S)	66	%	46-130	1	09/03/21 13:58	09/06/21 09:22	92-94-4	
Gasoline Range Organics	Analytical Metl Pace Analytica		15B Preparation Me Kansas City	ethod: E	EPA 5035A/5030B			
ГРН-GRO <b>Surrogates</b>	ND	mg/kg	11.7	1	09/03/21 15:07	09/03/21 20:56		
-Bromofluorobenzene (S)	98	%	63-121	1	09/03/21 15:07	09/03/21 20:56	460-00-4	
260B MSV 5035A Low Level	Analytical Metl Pace Analytica		60B Preparation Me Kansas City	ethod: E	EPA 5035A/5030B			
Benzene	ND	ug/kg	5.8	1	09/03/21 14:40	09/03/21 16:08	71-43-2	
thylbenzene	ND	ug/kg	5.8	1	09/03/21 14:40	09/03/21 16:08	100-41-4	
oluene	ND	ug/kg	5.8	1	09/03/21 14:40	09/03/21 16:08	108-88-3	
ylene (Total) Gurrogates	ND	ug/kg	17.5	1	09/03/21 14:40	09/03/21 16:08	1330-20-7	
oluene-d8 (S)	102	%	80-120	1		09/03/21 16:08		
-Bromofluorobenzene (S)	101	%	83-119	1		09/03/21 16:08		
,2-Dichlorobenzene-d4 (S)	97	%	80-120	1	09/03/21 14:40	09/03/21 16:08	2199-69-1	
ercent Moisture	Analytical Met							
	Pace Analytica		·					
ercent Moisture	9.9	%	0.50	1		09/03/21 14:50		
056 IC Anions	Analytical Metl Pace Analytica		56 Preparation Metl Kansas City	nod: EF	PA 9056			
Chloride	ND	mg/kg	111	10	09/04/21 08:59	09/04/21 13:42	16887-00-6	M1
sample: SWS-1(5')	Lab ID: 603	79264002	Collected: 09/01/2	21 14:00	0 Received: 09	/03/21 09:00 N	Matrix: Solid	
Results reported on a "dry weight	" basis and are ad	iusted for pe	ercent moisture, sa	mple s	size and any dilut	tions.		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
015B Diesel Range Organics	Analytical Metl Pace Analytica		15B Preparation Me Kansas City	ethod: E	EPA 3546			
PH-DRO (C10-C28)	ND	mg/kg	10.6	1	09/03/21 13:58	09/06/21 09:46		
PH-ORO (C28-C35)	ND	mg/kg	10.6	1		09/06/21 09:46		
Surrogates		3-3						
-Tetracosane (S)	54	%	31-152	1	09/03/21 13:58	09/06/21 09:46	646-31-1	
		%						

### **REPORT OF LABORATORY ANALYSIS**

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.

Date: 09/08/2021 07:43 AM



### **ANALYTICAL RESULTS**

Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

Describe management and a Holon Co. 1999	Lab ID. 003	79264002	Collected: 09/01/2	11 14:0	0 Received: 09	/03/21 09:00 M	fatrix: Solid	
Results reported on a "dry weight"	" basis and are adj	usted for pe	rcent moisture, sa	mple s	size and any dilut	tions.		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
Gasoline Range Organics	Analytical Meth		5B Preparation Me Cansas City	thod: E	EPA 5035A/5030B			
TPH-GRO <b>Surrogates</b>	ND	mg/kg	11.3	1	09/03/21 15:07	09/03/21 21:12		
4-Bromofluorobenzene (S)	95	%	63-121	1	09/03/21 15:07	09/03/21 21:12	460-00-4	
8260B MSV 5035A Low Level	Analytical Meth Pace Analytica		0B Preparation Me Cansas City	thod: E	EPA 5035A/5030B			
Benzene	ND	ug/kg	5.7	1	09/03/21 14:40	09/03/21 16:28	71-43-2	
Ethylbenzene	ND	ug/kg	5.7	1	09/03/21 14:40	09/03/21 16:28	100-41-4	
Toluene	ND	ug/kg	5.7	1	09/03/21 14:40	09/03/21 16:28	108-88-3	
Xylene (Total) <b>Surrogates</b>	ND	ug/kg	17.0	1	09/03/21 14:40	09/03/21 16:28	1330-20-7	
Toluene-d8 (S)	108	%	80-120	1	09/03/21 14:40	09/03/21 16:28	2037-26-5	
4-Bromofluorobenzene (S)	104	%	83-119	1	09/03/21 14:40	09/03/21 16:28	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	80-120	1	09/03/21 14:40	09/03/21 16:28	2199-69-1	
Percent Moisture	Analytical Meth Pace Analytica							
Percent Moisture	10.1	%	0.50	1		09/03/21 14:50		
	Analytical Meth	od: EDA 905	0. D		04 0056			
9056 IC Anions	Pace Analytica		6 Preparation Meth Kansas City	10a: EF	A 9000			
9056 IC Anions Chloride				10a: EF		09/04/21 14:15	16887-00-6	
Chloride Sample: SWS-2(4')	Pace Analytica ND Lab ID: 603 " basis and are adj Results	mg/kg  79264003  usted for pe	Collected: 09/01/2 rcent moisture, sa Report Limit	10 11 14:0 <b>mple s</b> DF	09/04/21 08:59  Received: 09  size and any dilute  Prepared	/03/21 09:00 N	16887-00-6  Matrix: Solid  CAS No.	Qual
Chloride  Sample: SWS-2(4')  Results reported on a "dry weight"  Parameters	Pace Analytica ND Lab ID: 603 " basis and are adj Results	mg/kg  79264003  usted for pe  Units	Collected: 09/01/2 rcent moisture, sa Report Limit 5B Preparation Me	10 11 14:0 <b>mple s</b> DF	09/04/21 08:59  Received: 09  size and any dilute  Prepared	/03/21 09:00 N	latrix: Solid	Qual
Chloride  Sample: SWS-2(4')  Results reported on a "dry weight"  Parameters  8015B Diesel Range Organics	Pace Analytica ND  Lab ID: 603' " basis and are adj Results Analytical Meth	mg/kg  79264003  usted for pe  Units	Collected: 09/01/2 rcent moisture, sa Report Limit 5B Preparation Me	10 11 14:0 <b>mple s</b> DF	09/04/21 08:59  Received: 09  Size and any dilute  Prepared  EPA 3546	/03/21 09:00 N	latrix: Solid	Qua
Chloride  Sample: SWS-2(4')  Results reported on a "dry weight"  Parameters  8015B Diesel Range Organics  TPH-DRO (C10-C28)  TPH-ORO (C28-C35)	Pace Analytica ND  Lab ID: 603  " basis and are adj Results  Analytical Meth Pace Analytica	mg/kg  79264003  usted for pe  Units  nod: EPA 801  I Services - K	Cansas City  111  Collected: 09/01/2  rcent moisture, sa  Report Limit  5B Preparation Me Cansas City	10 21 14:0 <b>mple s</b> DF	09/04/21 08:59  O Received: 09  Size and any dilute  Prepared  EPA 3546  09/03/21 13:58	/03/21 09:00 M t <b>ions.</b> Analyzed	latrix: Solid	Qua
Chloride  Sample: SWS-2(4')  Results reported on a "dry weight"  Parameters  8015B Diesel Range Organics  TPH-DRO (C10-C28)  TPH-ORO (C28-C35)  Surrogates	Pace Analytica ND  Lab ID: 603 " basis and are adj Results  Analytical Meth Pace Analytica ND	mg/kg  79264003  usted for pe  Units  nod: EPA 801 I Services - k  mg/kg	Cansas City  111  Collected: 09/01/2  rcent moisture, sa  Report Limit  5B Preparation Me Cansas City  10.8	10 21 14:0 mple s DF ethod: E	09/04/21 08:59  Received: 09  Size and any dilute Prepared  EPA 3546  09/03/21 13:58  09/03/21 13:58	/03/21 09:00 M tions. Analyzed 09/06/21 09:54	flatrix: Solid  CAS No.	Qua
Chloride  Sample: SWS-2(4')  Results reported on a "dry weight"  Parameters  8015B Diesel Range Organics  TPH-DRO (C10-C28)  TPH-ORO (C28-C35)  Surrogates n-Tetracosane (S)	Pace Analytica ND  Lab ID: 603 " basis and are adj Results  Analytical Meth Pace Analytica ND ND	mg/kg  79264003  usted for pe  Units  nod: EPA 801 I Services - k  mg/kg  mg/kg	Cansas City  111  Collected: 09/01/2  rcent moisture, sa  Report Limit  5B Preparation Me Cansas City  10.8  10.8	10 e1 14:0 mple s DF othod: E	09/04/21 08:59  0 Received: 09  size and any dilute Prepared  EPA 3546  09/03/21 13:58  09/03/21 13:58	09/06/21 09:54	Tatrix: Solid  CAS No.  646-31-1	Qua
Chloride Sample: SWS-2(4') Results reported on a "dry weight"	Pace Analytica ND  Lab ID: 603' " basis and are adj Results  Analytical Meth Pace Analytica ND ND 56 64	79264003 usted for per Units nod: EPA 801 I Services - K mg/kg mg/kg % nod: EPA 801	Collected: 09/01/2 rcent moisture, sa Report Limit 5B Preparation Me (ansas City 10.8 10.8 31-152 46-130 5B Preparation Me	10 et 1 14:0 et 1 1 1 1 1 1 1 1	09/04/21 08:59  0 Received: 09  size and any dilute Prepared  EPA 3546  09/03/21 13:58  09/03/21 13:58  09/03/21 13:58  09/03/21 13:58	09/06/21 09:54 09/06/21 09:54 09/06/21 09:54 09/06/21 09:54	Tatrix: Solid  CAS No.  646-31-1	Qua
Chloride  Sample: SWS-2(4')  Results reported on a "dry weight"  Parameters  8015B Diesel Range Organics  TPH-DRO (C10-C28)  TPH-ORO (C28-C35)  Surrogates n-Tetracosane (S) p-Terphenyl (S)	Pace Analytical ND  Lab ID: 603* " basis and are adj Results  Analytical Meth Pace Analytical ND ND 56 64  Analytical Meth	79264003 usted for per Units nod: EPA 801 I Services - K mg/kg mg/kg % nod: EPA 801	Collected: 09/01/2 rcent moisture, sa Report Limit 5B Preparation Me (ansas City 10.8 10.8 31-152 46-130 5B Preparation Me	10 et 1 14:0 et 1 1 1 1 1 1 1 1	09/04/21 08:59  Received: 09  Size and any dilute Prepared  EPA 3546  09/03/21 13:58  09/03/21 13:58  09/03/21 13:58  09/03/21 13:58  EPA 5035A/5030B	09/06/21 09:54 09/06/21 09:54 09/06/21 09:54 09/06/21 09:54	Tatrix: Solid  CAS No.  646-31-1	Qua

### **REPORT OF LABORATORY ANALYSIS**

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Date: 09/08/2021 07:43 AM





### **ANALYTICAL RESULTS**

Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

Sample: SWS-2(4')	Lab ID: 603	79264003	Collected: 09/01/2	1 14:00	Received: 09	/03/21 09:00 N	latrix: Solid	
Results reported on a "dry weight	" basis and are ad	iusted for p	ercent moisture, sa	mple s	ize and any dilut	ions.		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
						-		
8260B MSV 5035A Low Level	Analytical Met	hod: EPA 82	60B Preparation Me	thod: E	PA 5035A/5030B			
	Pace Analytica	al Services -	Kansas City					
Benzene	ND	ug/kg	6.2	1	09/03/21 14:40	09/03/21 16:48	71-43-2	
Ethylbenzene	ND	ug/kg	6.2	1		09/03/21 16:48	_	
Toluene	ND	ug/kg	6.2	1		09/03/21 16:48		
Xylene (Total)	ND	ug/kg	18.5	1		09/03/21 16:48		
Surrogates		-9.19		•				
Toluene-d8 (S)	109	%	80-120	1	09/03/21 14:40	09/03/21 16:48	2037-26-5	
1-Bromofluorobenzene (S)	103	%	83-119	1	09/03/21 14:40	09/03/21 16:48	460-00-4	
,2-Dichlorobenzene-d4 (S)	98	%	80-120	1	09/03/21 14:40	09/03/21 16:48	2199-69-1	
Percent Moisture	Analytical Met	hod: ASTM I	72074					
-ercent moisture	Pace Analytica							
	-		-					
Percent Moisture	10.5	%	0.50	1		09/03/21 14:50		
9056 IC Anions	Analytical Met	hod: FPA 90	56 Preparation Meth	nod: FP	PA 9056			
, 000 TO 7 HILOHO	Pace Analytica				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
	•		•					
Chloride	ND	mg/kg	111	10	05/04/21 00.55	09/04/21 14:59	10007-00-0	
. ,	Lab ID: 603 " basis and are ad		Collected: 09/01/2	_			Matrix: Solid	
. ,				_			Matrix: Solid  CAS No.	Qua
Results reported on a "dry weight Parameters	" basis and are ad, Results	iusted for p Units	Report Limit	mple s	Prepared	ions.		Qua
Results reported on a "dry weight Parameters	" basis and are ad, Results	iusted for p Units	ercent moisture, sa	mple s	Prepared	ions.		Qua
Results reported on a "dry weight Parameters	" basis and are ad, Results	Units Hod: EPA 80	Report Limit  15B Preparation Me	mple s	Prepared	ions.		Qua
Results reported on a "dry weight Parameters  8015B Diesel Range Organics	Results  Analytical Methodology Pace Analytical	Units  Hod: EPA 80 al Services -	Report Limit  15B Preparation Me	mple s	Prepared PA 3546	ions.		Qua
Parameters  B015B Diesel Range Organics  FPH-DRO (C10-C28)	Results  Analytical Metl Pace Analytica	Units  Hod: EPA 80  al Services -  mg/kg	Report Limit  15B Preparation Me Kansas City  10.7	mple s  DF  thod: E	Prepared PA 3546 09/03/21 13:58	Analyzed 09/06/21 10:02		Qu
Parameters  B015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35)	Results  Analytical Methodology Pace Analytical	Units  Hod: EPA 80 al Services -	Report Limit  15B Preparation Me Kansas City	DF thod: E	Prepared PA 3546 09/03/21 13:58	Analyzed		Qua
Parameters  8015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35)  Surrogates	Results  Analytical Metl Pace Analytica	Units  Hod: EPA 80  al Services -  mg/kg	Report Limit  15B Preparation Me Kansas City  10.7	mple s  DF  thod: E	Prepared PA 3546  09/03/21 13:58 09/03/21 13:58	Analyzed 09/06/21 10:02	CAS No.	Qua
Parameters  B015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S)	Results  Analytical Metl Pace Analytica  ND ND	Units  Hod: EPA 80  al Services -  mg/kg  mg/kg	Report Limit  15B Preparation Me Kansas City  10.7  10.7	mple s  DF  thod: E	Prepared  PA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58	Analyzed  09/06/21 10:02 09/06/21 10:02	CAS No.	Qua
Parameters  Bo15B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)	Results  Analytical Methodology Pace Analytical ND ND 55 63	units  Hod: EPA 80  al Services -  mg/kg  mg/kg  %  %	Report Limit  15B Preparation Me Kansas City  10.7 10.7 31-152 46-130	mple s  DF  thod: E	Prepared  PA 3546  09/03/21 13:58  09/03/21 13:58  09/03/21 13:58  09/03/21 13:58	O9/06/21 10:02 09/06/21 10:02 09/06/21 10:02	CAS No.	Qua
Parameters  Bo15B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) D-Terphenyl (S)	Results  Analytical Methodology Pace Analytical ND ND 55 63  Analytical Methodology	Units  Hod: EPA 80  Mg/kg  mg/kg  %  hod: EPA 80	Report Limit  15B Preparation Me Kansas City  10.7 10.7 31-152 46-130  15B Preparation Me	mple s  DF  thod: E	Prepared  PA 3546  09/03/21 13:58  09/03/21 13:58  09/03/21 13:58  09/03/21 13:58	O9/06/21 10:02 09/06/21 10:02 09/06/21 10:02	CAS No.	Qua
Parameters  Bo15B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)	Results  Analytical Methodology Pace Analytical ND ND 55 63	Units  Hod: EPA 80  Mg/kg  mg/kg  %  hod: EPA 80	Report Limit  15B Preparation Me Kansas City  10.7 10.7 31-152 46-130  15B Preparation Me	mple s  DF  thod: E	Prepared  PA 3546  09/03/21 13:58  09/03/21 13:58  09/03/21 13:58  09/03/21 13:58	O9/06/21 10:02 09/06/21 10:02 09/06/21 10:02	CAS No.	Qua
Results reported on a "dry weight Parameters  B015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) D-Terphenyl (S)  Gasoline Range Organics	Results  Analytical Methodology Pace Analytical ND ND 55 63  Analytical Methodology	Units  Hod: EPA 80  Mg/kg  mg/kg  %  hod: EPA 80	Report Limit  15B Preparation Me Kansas City  10.7 10.7 31-152 46-130  15B Preparation Me	mple s  DF  thod: E	Prepared  PA 3546  09/03/21 13:58  09/03/21 13:58  09/03/21 13:58  09/03/21 13:58  2PA 5035A/5030B	O9/06/21 10:02 09/06/21 10:02 09/06/21 10:02	CAS No.	Qui
Results reported on a "dry weight Parameters  1015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates 1-Tetracosane (S) 1-Terphenyl (S)  Gasoline Range Organics  TPH-GRO	Results  Analytical Metl Pace Analytica  ND ND  55 63  Analytical Metl Pace Analytical Metl	units  units  units  nod: EPA 80  al Services -  mg/kg  mg/kg  %  hod: EPA 80  al Services -	Report Limit  15B Preparation Me Kansas City  10.7 10.7 31-152 46-130  15B Preparation Me Kansas City	mple s  DF  thod: E	Prepared  PA 3546  09/03/21 13:58  09/03/21 13:58  09/03/21 13:58  09/03/21 13:58  2PA 5035A/5030B	09/06/21 10:02 09/06/21 10:02 09/06/21 10:02 09/06/21 10:02	CAS No.	Qui
Results reported on a "dry weight Parameters  1015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates Tetracosane (S) Terphenyl (S)  Gasoline Range Organics  TPH-GRO Surrogates	Results  Analytical Metl Pace Analytica  ND ND  55 63  Analytical Metl Pace Analytical Metl	units  units  units  nod: EPA 80  al Services -  mg/kg  mg/kg  %  hod: EPA 80  al Services -	Report Limit  15B Preparation Me Kansas City  10.7 10.7 31-152 46-130  15B Preparation Me Kansas City	mple s  DF  thod: E	Prepared  PA 3546  09/03/21 13:58  09/03/21 13:58  09/03/21 13:58  09/03/21 13:58  PA 5035A/5030B  09/03/21 15:07	09/06/21 10:02 09/06/21 10:02 09/06/21 10:02 09/06/21 10:02	CAS No. 646-31-1 92-94-4	Qua
Results reported on a "dry weight Parameters  8015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)  Gasoline Range Organics  FPH-GRO Surrogates 1-Bromofluorobenzene (S)	Results  Analytical Methodology Pace Analytical ND ND 55 63  Analytical Methodology Pace Analytical ND Pace Analytical ND Pace Analytical ND 95	units  Hod: EPA 80  Al Services -  Mg/kg  Mg/kg  %  Hod: EPA 80  Al Services -  Mg/kg	Report Limit  15B Preparation Me Kansas City  10.7 10.7 31-152 46-130  15B Preparation Me Kansas City  12.0 63-121	mple s  DF  thod: E  1  1  1  thod: E	Prepared  PA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B  09/03/21 15:07	09/06/21 10:02 09/06/21 10:02 09/06/21 10:02 09/06/21 10:02 09/06/21 10:02	CAS No. 646-31-1 92-94-4	Qua
Results reported on a "dry weight Parameters  8015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)  Gasoline Range Organics  FPH-GRO Surrogates 1-Bromofluorobenzene (S)	Results  Analytical Methodology  Analytical Methodology  ND  ND  55  63  Analytical Methodology  Pace Analytical  ND  95  Analytical Methodology	units  Hod: EPA 80  Al Services -  Mg/kg  Mg/kg  %  Hod: EPA 80  Al Services -  Mg/kg  Mhod: EPA 82	Report Limit  15B Preparation Me Kansas City  10.7 10.7 31-152 46-130  15B Preparation Me Kansas City  12.0 63-121  60B Preparation Me	mple s  DF  thod: E  1  1  1  thod: E	Prepared  PA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B  09/03/21 15:07	09/06/21 10:02 09/06/21 10:02 09/06/21 10:02 09/06/21 10:02 09/06/21 10:02	CAS No. 646-31-1 92-94-4	Qua
Parameters  Bo15B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) D-Terphenyl (S)  Gasoline Range Organics  FPH-GRO Surrogates 4-Bromofluorobenzene (S)  B260B MSV 5035A Low Level	Results  Analytical Methodology  Analytical Methodology  ND  ND  55  63  Analytical Methodology  Pace Analytical  ND  95  Analytical Methodology  Pace Analytical Methodology  Pace Analytical Methodology  Analytical Methodology	units  Hod: EPA 80  Al Services -  mg/kg  mg/kg  %  hod: EPA 80  Al Services -  mg/kg  %  hod: EPA 80  Al Services -  mg/kg	Report Limit  15B Preparation Me Kansas City  10.7 10.7 31-152 46-130 15B Preparation Me Kansas City  12.0 63-121 60B Preparation Me Kansas City	mple s  DF  thod: E  1  1  thod: E  1  thod: E	PRA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B  09/03/21 15:07 09/03/21 15:07	09/06/21 10:02 09/06/21 10:02 09/06/21 10:02 09/06/21 10:02 09/06/21 10:02 09/03/21 21:42	CAS No. 646-31-1 92-94-4	Qua
Results reported on a "dry weight Parameters  8015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) FUNCTION (C28-C35) FOR (C28-C35) FOR (C38-C35) FOR (C38-C35	Results  Analytical Methodology  Analytical Methodology  ND  ND  55  63  Analytical Methodology  Pace Analytical  ND  95  Analytical Methodology  Pace Analytical  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	units  un	Report Limit  15B Preparation Me Kansas City  10.7 10.7 31-152 46-130  15B Preparation Me Kansas City  12.0 63-121  60B Preparation Me Kansas City  6.0	mple s  DF  thod: E  1  1  thod: E  1  thod: E	Prepared  Prepared  PA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B  09/03/21 15:07  09/03/21 15:07  PA 5035A/5030B  09/03/21 14:40	09/06/21 10:02 09/06/21 10:02 09/06/21 10:02 09/06/21 10:02 09/06/21 10:02 09/03/21 21:42 09/03/21 21:42	CAS No.  646-31-1 92-94-4  460-00-4	Qua
Results reported on a "dry weight Parameters  8015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates P-Tetracosane (S) P-Terphenyl (S) Gasoline Range Organics  FPH-GRO Surrogates P-Bromofluorobenzene (S)  8260B MSV 5035A Low Level	Results  Analytical Methodology  Analytical Methodology  ND  ND  55  63  Analytical Methodology  Pace Analytical  ND  95  Analytical Methodology  Pace Analytical Methodology  Pace Analytical Methodology  Analytical Methodology	units  Hod: EPA 80  Al Services -  mg/kg  mg/kg  %  hod: EPA 80  Al Services -  mg/kg  %  hod: EPA 80  Al Services -  mg/kg	Report Limit  15B Preparation Me Kansas City  10.7 10.7 31-152 46-130 15B Preparation Me Kansas City  12.0 63-121 60B Preparation Me Kansas City	mple s  DF  thod: E  1  1  thod: E  1  thod: E	Prepared  Prepared  PA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B  09/03/21 15:07  PA 5035A/5030B  09/03/21 14:40 09/03/21 14:40	09/06/21 10:02 09/06/21 10:02 09/06/21 10:02 09/06/21 10:02 09/06/21 10:02 09/03/21 21:42 09/03/21 21:42	CAS No.  646-31-1 92-94-4  460-00-4  71-43-2 100-41-4	Qua
Results reported on a "dry weight Parameters  8015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates -Tetracosane (S) -Terphenyl (S) Gasoline Range Organics  FPH-GRO Surrogates -Bromofluorobenzene (S) 8260B MSV 5035A Low Level  Genzene Ethylbenzene	Results  Analytical Methodology  Analytical Methodology  ND  ND  55  63  Analytical Methodology  Pace Analytical  ND  95  Analytical Methodology  Pace Analytical  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	units  un	Report Limit  15B Preparation Me Kansas City  10.7 10.7 31-152 46-130  15B Preparation Me Kansas City  12.0 63-121  60B Preparation Me Kansas City  6.0	mple s  DF  thod: E  1  1  thod: E  1  thod: E	Prepared  Prepared  PA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B  09/03/21 15:07  PA 5035A/5030B  09/03/21 14:40 09/03/21 14:40	09/06/21 10:02 09/06/21 10:02 09/06/21 10:02 09/06/21 10:02 09/06/21 10:02 09/03/21 21:42 09/03/21 21:42	CAS No.  646-31-1 92-94-4  460-00-4  71-43-2 100-41-4	Qui
Results reported on a "dry weight Parameters  B015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) FURDER OF CAST	Results  Analytical Methodology Pace Analytical ND ND 55 63  Analytical Methodology Pace Analytical ND 95  Analytical Methodology Pace Analytical ND ND ND ND ND ND	iusted for p Units  Hod: EPA 80 al Services - mg/kg mg/kg % hod: EPA 80 al Services - mg/kg % hod: EPA 82 ug/kg ug/kg	Report Limit  15B Preparation Me Kansas City  10.7 10.7 31-152 46-130  15B Preparation Me Kansas City  12.0 63-121  60B Preparation Me Kansas City  6.0 6.0	mple s  DF  thod: E  1  1  thod: E  1  thod: E	Prepared  Prepared  PA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B  09/03/21 15:07  PA 5035A/5030B  09/03/21 14:40 09/03/21 14:40 09/03/21 14:40 09/03/21 14:40	09/06/21 10:02 09/06/21 10:02 09/06/21 10:02 09/06/21 10:02 09/06/21 10:02 09/03/21 21:42 09/03/21 21:42	CAS No.  646-31-1 92-94-4  460-00-4  71-43-2 100-41-4 108-88-3	Qua
Results reported on a "dry weight Parameters  B015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates n-Tetracosane (S) D-Terphenyl (S)  Gasoline Range Organics  TPH-GRO Surrogates 4-Bromofluorobenzene (S) B260B MSV 5035A Low Level  Benzene Ethylbenzene Toluene Xylene (Total) Surrogates Toluene-d8 (S)	Results  Analytical Methodology Pace Analytical ND ND 55 63  Analytical Methodology Pace Analytical ND 95  Analytical Methodology Pace Analytical ND ND ND ND ND ND	units  Hod: EPA 80  Al Services -  Mg/kg  Mg/kg  Mod: EPA 80  Al Services -  Mg/kg  Mod: EPA 80  Al Services -  Mg/kg	Report Limit  15B Preparation Me Kansas City  10.7 10.7 31-152 46-130  15B Preparation Me Kansas City  12.0 63-121  60B Preparation Me Kansas City  6.0 6.0 6.0	mple s  DF  thod: E  1  1  thod: E  1  thod: E	Prepared  PA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B  09/03/21 15:07 09/03/21 15:07 PA 5035A/5030B  09/03/21 14:40 09/03/21 14:40 09/03/21 14:40 09/03/21 14:40	09/06/21 10:02 09/06/21 10:02 09/06/21 10:02 09/06/21 10:02 09/06/21 10:02 09/03/21 21:42 09/03/21 21:42 09/03/21 17:08 09/03/21 17:08 09/03/21 17:08	CAS No.  646-31-1 92-94-4  460-00-4  71-43-2 100-41-4 108-88-3 1330-20-7	Qua

### **REPORT OF LABORATORY ANALYSIS**

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Date: 09/08/2021 07:43 AM



Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

Sample: SWS-3(4')	Lab ID: 603	79264004	Collected: 09/01/2	21 14:00	Received: 09	/03/21 09:00 N	latrix: Solid	
Results reported on a "dry weight	" basis and are adj	usted for p	ercent moisture, sa	mple s	ize and any dilu	ions.		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
3260B MSV 5035A Low Level	Analytical Meth Pace Analytica		60B Preparation Me Kansas City	ethod: E	PA 5035A/5030B			
Surrogates 4-Bromofluorobenzene (S) 1,2-Dichlorobenzene-d4 (S)	104 98	% %	83-119 80-120	1 1		09/03/21 17:08 09/03/21 17:08		
Percent Moisture	Analytical Meth	nod: ASTM [	D2974					
	Pace Analytica	l Services -	Kansas City					
Percent Moisture	10.2	%	0.50	1		09/03/21 14:50		
9056 IC Anions	Analytical Mether Pace Analytica		56 Preparation Metl Kansas City	hod: EP	A 9056			
Chloride	ND	mg/kg	111	10	09/04/21 08:59	09/04/21 15:10	16887-00-6	
Sample: SWS-4(4') Results reported on a "dry weight	Lab ID: 603		Collected: 09/01/2				latrix: Solid	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
Parameters	Results	Units	Report Limit  15B Preparation Me	DF	Prepared		CAS No.	Qua
Parameters  3015B Diesel Range Organics  FPH-DRO (C10-C28)	Analytical Methodology Pace Analytical ND	Units  nod: EPA 80 I Services - mg/kg	Report Limit  15B Preparation Me Kansas City  11.4	DF ethod: E	Prepared PA 3546 09/03/21 13:58	Analyzed 09/06/21 10:10	CAS No.	Qua
Parameters  8015B Diesel Range Organics  TPH-DRO (C10-C28)  TPH-ORO (C28-C35)	Analytical Methodology Pace Analytica	Units nod: EPA 80 I Services -	Report Limit  15B Preparation Me Kansas City	DF ethod: E	Prepared PA 3546 09/03/21 13:58	Analyzed	CAS No.	Qua
Parameters  8015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35)  Surrogates	Analytical Methodology Pace Analytical ND ND	Units  nod: EPA 80 I Services - mg/kg mg/kg	Report Limit  15B Preparation Me Kansas City  11.4	DF ethod: E	Prepared  PA 3546  09/03/21 13:58  09/03/21 13:58	Analyzed  09/06/21 10:10 09/06/21 10:10		Qua
Parameters  6015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35)  Surrogates  1-Tetracosane (S)	Analytical Methodology Pace Analytical ND	Units  nod: EPA 80 I Services - mg/kg	Report Limit  15B Preparation Me Kansas City  11.4  11.4	DF ethod: E 1 1	Prepared PA 3546  09/03/21 13:58 09/03/21 13:58	Analyzed 09/06/21 10:10	646-31-1	Qua
Parameters  8015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35)  Surrogates  n-Tetracosane (S)  p-Terphenyl (S)	Analytical Methodology Pace Analytical ND ND 58 64 Analytical Methodology	Units  nod: EPA 80 I Services -  mg/kg  mg/kg  %  % nod: EPA 80	Report Limit  15B Preparation Me Kansas City  11.4  11.4  31-152  46-130  15B Preparation Me	DF ethod: E	Prepared  PA 3546  09/03/21 13:58  09/03/21 13:58  09/03/21 13:58  09/03/21 13:58	Analyzed  09/06/21 10:10 09/06/21 10:10  09/06/21 10:10	646-31-1	Qua
Parameters  8015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35)  Surrogates  n-Tetracosane (S)  p-Terphenyl (S)	Analytical Meth Pace Analytica ND ND 58 64	Units  nod: EPA 80 I Services -  mg/kg  mg/kg  %  % nod: EPA 80	Report Limit  15B Preparation Me Kansas City  11.4  11.4  31-152  46-130  15B Preparation Me	DF ethod: E	Prepared  PA 3546  09/03/21 13:58  09/03/21 13:58  09/03/21 13:58  09/03/21 13:58	Analyzed  09/06/21 10:10 09/06/21 10:10  09/06/21 10:10	646-31-1	Qua
Parameters  3015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates 1-Tetracosane (S) 0-Terphenyl (S) Gasoline Range Organics  TPH-GRO	Analytical Methodology Pace Analytical ND ND 58 64 Analytical Methodology	Units  nod: EPA 80 I Services -  mg/kg  mg/kg  %  % nod: EPA 80	Report Limit  15B Preparation Me Kansas City  11.4  11.4  31-152  46-130  15B Preparation Me	DF ethod: E	Prepared  PA 3546  09/03/21 13:58  09/03/21 13:58  09/03/21 13:58  09/03/21 13:58  PA 5035A/5030B	Analyzed  09/06/21 10:10 09/06/21 10:10  09/06/21 10:10	646-31-1	Qua
Parameters  2015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates I-Tetracosane (S) I-Terphenyl (S) Gasoline Range Organics  TPH-GRO Surrogates	Analytical Meth Pace Analytica ND ND 58 64 Analytical Meth Pace Analytical	Units  nod: EPA 80 I Services -  mg/kg mg/kg % % nod: EPA 80 I Services -	Report Limit  15B Preparation Me Kansas City  11.4  11.4  31-152  46-130  15B Preparation Me Kansas City	DF ethod: E	Prepared  PA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B  09/03/21 15:07	Analyzed  09/06/21 10:10 09/06/21 10:10 09/06/21 10:10 09/06/21 10:10	646-31-1 92-94-4	Qua
Parameters  3015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)  Gasoline Range Organics  TPH-GRO Surrogates I-Bromofluorobenzene (S)	Analytical Meth Pace Analytica ND ND 58 64 Analytical Meth Pace Analytica ND	Units  nod: EPA 80 I Services - mg/kg mg/kg % nod: EPA 80 I Services - mg/kg % nod: EPA 82	Report Limit  15B Preparation Me Kansas City  11.4  11.4  31-152  46-130  15B Preparation Me Kansas City  13.2  63-121  60B Preparation Me	DF ethod: E	Prepared  PA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B  09/03/21 15:07  09/03/21 15:07	Analyzed  09/06/21 10:10 09/06/21 10:10  09/06/21 10:10  09/06/21 10:10  09/03/21 21:57	646-31-1 92-94-4	Qua
Parameters  3015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates 1-Tetracosane (S) 1-Terphenyl (S) Gasoline Range Organics  TPH-GRO Surrogates 1-Bromofluorobenzene (S) 3260B MSV 5035A Low Level	Results  Analytical Methodology Pace Analytical ND S8 64  Analytical Methodology Pace Analytical ND 94  Analytical Methodology	Units  nod: EPA 80 I Services - mg/kg mg/kg % nod: EPA 80 I Services - mg/kg % nod: EPA 82	Report Limit  15B Preparation Me Kansas City  11.4  11.4  31-152  46-130  15B Preparation Me Kansas City  13.2  63-121  60B Preparation Me	DF ethod: E	Prepared  PA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B  09/03/21 15:07 09/03/21 15:07 PA 5035A/5030B	Analyzed  09/06/21 10:10 09/06/21 10:10  09/06/21 10:10  09/06/21 10:10  09/03/21 21:57	646-31-1 92-94-4 460-00-4	Qua
Parameters  2015B Diesel Range Organics  2PH-DRO (C10-C28) 2PH-ORO (C28-C35) 2PH-ORO (C28-C35) 2PH-ORO (C28-C35) 3PH-GRO (C28-C35) 3PH-GRO (C38-C35) 3PH-GRO	Analytical Meth Pace Analytical ND ND 58 64 Analytical Meth Pace Analytical ND 94 Analytical Meth Pace Analytical ND ND ND ND	Units  nod: EPA 80 I Services - mg/kg mg/kg % nod: EPA 80 I Services - mg/kg % lod: EPA 82 I Services - ug/kg ug/kg	Report Limit  15B Preparation Me Kansas City  11.4  11.4  31-152  46-130  15B Preparation Me Kansas City  13.2  63-121  60B Preparation Me Kansas City  6.6 6.6	DF ethod: E	Prepared  PA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B  09/03/21 15:07 PA 5035A/5030B  09/03/21 14:40 09/03/21 14:40	Analyzed  09/06/21 10:10 09/06/21 10:10  09/06/21 10:10  09/06/21 10:10  09/03/21 21:57  09/03/21 21:57  09/03/21 17:28 09/03/21 17:28	646-31-1 92-94-4 460-00-4 71-43-2 100-41-4	Qua
Parameters  2015B Diesel Range Organics  EPH-DRO (C10-C28) EPH-ORO (C28-C35) EPH-ORO (C28-C35) En-Tetracosane (S) E-Terphenyl (S) Esasoline Range Organics  EPH-GRO Eurrogates E-Bromofluorobenzene (S) E260B MSV 5035A Low Level  Esenzene Ethylbenzene Foluene	Results  Analytical Meth Pace Analytical ND ND S8 64  Analytical Meth Pace Analytical ND 94  Analytical Meth Pace Analytical ND ND ND ND ND ND ND	Units  nod: EPA 80 I Services - mg/kg mg/kg % nod: EPA 80 I Services - mg/kg % lod: EPA 82 I Services - ug/kg ug/kg ug/kg	Report Limit  15B Preparation Me Kansas City  11.4  31-152 46-130  15B Preparation Me Kansas City  13.2  63-121  60B Preparation Me Kansas City  6.6 6.6 6.6	DF ethod: E  1 1 1 1 1 1 tethod: E  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Prepared  PA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58  PA 5035A/5030B  09/03/21 15:07  PA 5035A/5030B  09/03/21 14:40 09/03/21 14:40 09/03/21 14:40	Analyzed  09/06/21 10:10 09/06/21 10:10 09/06/21 10:10  09/06/21 10:10  09/03/21 21:57  09/03/21 21:57  09/03/21 17:28 09/03/21 17:28 09/03/21 17:28	646-31-1 92-94-4 460-00-4 71-43-2 100-41-4 108-88-3	Qua
Parameters  3015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates 1-Tetracosane (S) 1-Terphenyl (S) Gasoline Range Organics  TPH-GRO Surrogates 1-Bromofluorobenzene (S) 3260B MSV 5035A Low Level  Genzene Ethylbenzene Toluene Kylene (Total)	Analytical Meth Pace Analytical ND ND 58 64 Analytical Meth Pace Analytical ND 94 Analytical Meth Pace Analytical ND ND ND ND	Units  nod: EPA 80 I Services - mg/kg mg/kg % nod: EPA 80 I Services - mg/kg % lod: EPA 82 I Services - ug/kg ug/kg	Report Limit  15B Preparation Me Kansas City  11.4  11.4  31-152  46-130  15B Preparation Me Kansas City  13.2  63-121  60B Preparation Me Kansas City  6.6 6.6	DF ethod: E	Prepared  PA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58  PA 5035A/5030B  09/03/21 15:07  PA 5035A/5030B  09/03/21 14:40 09/03/21 14:40 09/03/21 14:40	Analyzed  09/06/21 10:10 09/06/21 10:10  09/06/21 10:10  09/06/21 10:10  09/03/21 21:57  09/03/21 21:57  09/03/21 17:28 09/03/21 17:28	646-31-1 92-94-4 460-00-4 71-43-2 100-41-4 108-88-3	Qua
Parameters  3015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) TPH-ORO (C28-C35) Tetracosane (S)	Results  Analytical Meth Pace Analytical ND ND S8 64  Analytical Meth Pace Analytical ND 94  Analytical Meth Pace Analytical ND ND ND ND ND ND ND	Units  nod: EPA 80 I Services - mg/kg mg/kg % nod: EPA 80 I Services - mg/kg % lod: EPA 82 I Services - ug/kg ug/kg ug/kg	Report Limit  15B Preparation Me Kansas City  11.4  31-152 46-130  15B Preparation Me Kansas City  13.2  63-121  60B Preparation Me Kansas City  6.6 6.6 6.6	DF ethod: E  1 1 1 1 1 1 tethod: E  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Prepared  PA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58  PA 5035A/5030B  09/03/21 15:07  PA 5035A/5030B  09/03/21 14:40 09/03/21 14:40 09/03/21 14:40 09/03/21 14:40	Analyzed  09/06/21 10:10 09/06/21 10:10 09/06/21 10:10  09/06/21 10:10  09/03/21 21:57  09/03/21 21:57  09/03/21 17:28 09/03/21 17:28 09/03/21 17:28	646-31-1 92-94-4 460-00-4 71-43-2 100-41-4 108-88-3 1330-20-7	Qua
	Results  Analytical Meth Pace Analytical ND ND S8 64  Analytical Meth Pace Analytical Meth Pace Analytical Meth Pace Analytical Meth Pace Analytical ND	Units  nod: EPA 80 I Services - mg/kg mg/kg % nod: EPA 80 I Services - mg/kg % l Services - ug/kg ug/kg ug/kg ug/kg	Report Limit  15B Preparation Me Kansas City  11.4  31-152 46-130  15B Preparation Me Kansas City  13.2  63-121  60B Preparation Me Kansas City  6.6 6.6 6.6 19.8	DF ethod: E	Prepared  PA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58  PA 5035A/5030B  09/03/21 15:07  PA 5035A/5030B  09/03/21 14:40 09/03/21 14:40 09/03/21 14:40 09/03/21 14:40 09/03/21 14:40 09/03/21 14:40	Analyzed  09/06/21 10:10 09/06/21 10:10 09/06/21 10:10 09/06/21 10:10  09/03/21 21:57  09/03/21 21:57  09/03/21 17:28 09/03/21 17:28 09/03/21 17:28	646-31-1 92-94-4 460-00-4 71-43-2 100-41-4 108-88-3 1330-20-7 2037-26-5	Qua

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Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264								
Sample: SWS-4(4')	Lab ID: 603	79264005	Collected: 09/01/2	21 14:00	Received: 09	0/03/21 09:00 N	Matrix: Solid	
Results reported on a "dry weight	t" basis and are adj	iusted for p	percent moisture, sa	mple s	ize and any dilu	tions.		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Metl	nod: ASTM	D2974					
	Pace Analytica	l Services -	Kansas City					
Percent Moisture	13.7	%	0.50	1		09/03/21 14:50		
9056 IC Anions	Analytical Met	nod: EPA 90	056 Preparation Met	nod: EP	PA 9056			
	Pace Analytica							
Chloride	ND	mg/kg	111	10	09/04/21 08:59	09/04/21 15:21	16887-00-6	
Sample: SWS-5(4')	Lab ID: 603	79264006	Collected: 09/01/2	21 14:00	Received: 09	9/03/21 09:00 N	Matrix: Solid	
Results reported on a "dry weight	t" basis and are ad	iusted for p	percent moisture, sa	mple s	ize and any dilu	tions.		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics	Analytical Metl		015B Preparation Me Kansas City	thod: E	PA 3546			
ГРН-DRO (С10-С28)	ND	mg/kg	37.2	1	09/03/21 13:58	09/06/21 10:18		
ΓPH-ORO (C28-C35)	ND	mg/kg	37.2	1		09/06/21 10:18		
Surrogates								
n-Tetracosane (S) o-Terphenyl (S)	66 73	% %	31-152 46-130	1 1		09/06/21 10:18 09/06/21 10:18		
- Terprientyr (3)							92-94-4	
Gasoline Range Organics	Analytical Metl Pace Analytica		015B Preparation Me Kansas City	ethod: E	PA 5035A/5030B			
ГРН-GRO <b>Surrogates</b>	ND	mg/kg	14.9	1	09/03/21 15:07	09/03/21 22:43		
4-Bromofluorobenzene (S)	93	%	63-121	1	09/03/21 15:07	09/03/21 22:43	460-00-4	
8260B MSV 5035A Low Level	Analytical Metl Pace Analytica		260B Preparation Me  Kansas City	thod: E	PA 5035A/5030B			
Benzene	ND	ug/kg	7.5	1	09/03/21 14:40	09/03/21 17:48	71-43-2	
Ethylbenzene	ND	ug/kg	7.5	1		09/03/21 17:48		
Toluene	ND	ug/kg	7.5	1	09/03/21 14:40	09/03/21 17:48	108-88-3	
Kylene (Total)	ND	ug/kg	22.4	1	09/03/21 14:40	09/03/21 17:48	1330-20-7	
<b>Surrogates</b> Foluene-d8 (S)	108	%	80-120	1	00/03/21 14:40	09/03/21 17:48	2037-26-5	
4-Bromofluorobenzene (S)	103	%	83-119	1		09/03/21 17:48		
I,2-Dichlorobenzene-d4 (S)	97	%	80-120	1		09/03/21 17:48		
Percent Moisture	Analytical Metl	nod: ASTM	D2974					
Crocint moisture	Pace Analytica							
Percent Moisture	22.2	%	0.50	1		09/03/21 14:50		
9056 IC Anions	Analytical Metl		056 Preparation Metl	nod: EP	PA 9056			
Chloride	ND	mg/kg	126	10	09/04/21 08:59	09/04/21 15:32	16887-00-6	

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# **ANALYTICAL RESULTS**

Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

Sample: SWS-6(4')	Lab ID: 603	<b>79264007</b> Co	ollected: 09/01/2	21 14:0	Received: 09	0/03/21 09:00 M	latrix: Solid	
Results reported on a "dry weight	" basis and are adj	iusted for perce	ent moisture, sa	mple s	size and any dilu	tions.		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
015B Diesel Range Organics	Analytical Meth	nod: EPA 8015B	Preparation Me	ethod: E	EPA 3546			
	Pace Analytica	ll Services - Kan	sas City					
PH-DRO (C10-C28)	ND	mg/kg	11.0	1	09/03/21 13:58	09/06/21 10:26		
PH-ORO (C28-C35) Surrogates	ND	mg/kg	11.0	1	09/03/21 13:58	09/06/21 10:26		
-Tetracosane (S)	58	%	31-152	1		09/06/21 10:26		
-Terphenyl (S)	64	%	46-130	1	09/03/21 13:58	09/06/21 10:26	92-94-4	
Basoline Range Organics	•	nod: EPA 8015B Il Services - Kan	•	ethod: E	EPA 5035A/5030B			
PH-GRO Surrogates	ND	mg/kg	11.7	1	09/03/21 15:07	09/03/21 22:58		
I-Bromofluorobenzene (S)	94	%	63-121	1	09/03/21 15:07	09/03/21 22:58	460-00-4	
260B MSV 5035A Low Level		nod: EPA 8260B Il Services - Kan		ethod: E	EPA 5035A/5030B			
Benzene	ND	ug/kg	5.9	1	09/03/21 14:40	09/03/21 18:08	71-43-2	
thylbenzene	ND	ug/kg	5.9	1	09/03/21 14:40	09/03/21 18:08	100-41-4	
oluene	ND	ug/kg	5.9	1	09/03/21 14:40	09/03/21 18:08	108-88-3	
ylene (Total) Surrogates	ND	ug/kg	17.6	1	09/03/21 14:40	09/03/21 18:08	1330-20-7	
oluene-d8 (S)	107	%	80-120	1		09/03/21 18:08		
-Bromofluorobenzene (S)	105	%	83-119	1		09/03/21 18:08		
,2-Dichlorobenzene-d4 (S)	99	%	80-120	1	09/03/21 14:40	09/03/21 18:08	2199-69-1	
ercent Moisture		nod: ASTM D29						
	Pace Analytica	I Services - Kan	sas City					
ercent Moisture	10.3	%	0.50	1		09/03/21 14:50		
056 IC Anions	Analytical Meth	nod: EPA 9056	Preparation Met	nod: EF	PA 9056			
	Pace Analytica	ıl Services - Kan	sas City					
Chloride	ND	mg/kg	108	10	09/04/21 08:59	09/04/21 15:43	16887-00-6	
Sample: SWS-7(4')	Lab ID: 603	<b>79264008</b> Co	allected: 09/01/2	21 14:0	D Received: 09	)/03/21 09·00 N	Matrix: Solid	
Results reported on a "dry weight							idinix. Cond	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
015B Diesel Range Organics	•	nod: EPA 8015B Il Services - Kan	Preparation Me	ethod: E	EPA 3546			
PH-DRO (C10-C28)	ND	mg/kg	11.8	1	09/03/21 13:58	09/06/21 10:34		
PH-ORO (C28-C35)	ND	mg/kg	11.8	1	09/03/21 13:58	09/06/21 10:34		
Surrogates								
n-Tetracosane (S)	62	%	31-152	1		09/06/21 10:34		
o-Terphenyl (S)	68	%	46-130	1	09/03/21 13:58	00/06/21 10:34	92-94-4	

# **REPORT OF LABORATORY ANALYSIS**

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Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

Results reported on a "dry weight"	Lab ID. 603	79264008	Collected: 09/01/2	1 14:0	Received: 09	/03/21 09:00 N	latrix: Solid	
esures reported on a dry weight	' basis and are adj	usted for pe	rcent moisture, sa	mple s	size and any dilut	ions.		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
Gasoline Range Organics	Analytical Meth		5B Preparation Me ansas City	thod: E	EPA 5035A/5030B			
TPH-GRO <b>Surrogates</b>	ND	mg/kg	13.0	1	09/03/21 15:07	09/03/21 23:13		
4-Bromofluorobenzene (S)	95	%	63-121	1	09/03/21 15:07	09/03/21 23:13	460-00-4	
8260B MSV 5035A Low Level	Analytical Meth Pace Analytica		0B Preparation Me ansas City	thod: E	PA 5035A/5030B			
Benzene	ND	ug/kg	6.5	1	09/03/21 14:40	09/03/21 18:28	71-43-2	
Ethylbenzene	ND	ug/kg	6.5	1	09/03/21 14:40	09/03/21 18:28	100-41-4	
Toluene	ND	ug/kg	6.5	1	09/03/21 14:40	09/03/21 18:28	108-88-3	
Xylene (Total) <b>Surrogates</b>	ND	ug/kg	19.5	1	09/03/21 14:40	09/03/21 18:28	1330-20-7	
Toluene-d8 (S)	107	%	80-120	1	09/03/21 14:40	09/03/21 18:28	2037-26-5	
4-Bromofluorobenzene (S)	103	%	83-119	1	09/03/21 14:40	09/03/21 18:28	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	80-120	1	09/03/21 14:40	09/03/21 18:28	2199-69-1	
Percent Moisture	Analytical Meth Pace Analytica							
Percent Moisture	16.2	%	0.50	1		09/03/21 14:50		
9056 IC Anions			6 Preparation Meth	od: EF	PA 9056			
	Pace Analytica	l Services - K	ansas City					
	Pace Analytica ND	I Services - K mg/kg	ansas City 115	10	09/04/21 08:59	09/04/21 15:54	16887-00-6	
Chloride  Sample: SWS-8(4')  Results reported on a "dry weight"  Parameters	ND <b>Lab ID: 603</b>	mg/kg <b>79264009</b>	115 Collected: 09/01/2	1 14:0	Received: 09	/03/21 09:00 M	16887-00-6 latrix: Solid CAS No.	Qua
Chloride  Sample: SWS-8(4')  Results reported on a "dry weight"  Parameters	ND  Lab ID: 603' basis and are adj  Results	mg/kg 79264009 usted for per Units	Collected: 09/01/2 rcent moisture, sa Report Limit 5B Preparation Me	1 14:00 <b>mple s</b> DF	D Received: 09 size and any dilut Prepared	/03/21 09:00 M	latrix: Solid	Qual
Chloride  Sample: SWS-8(4')  Results reported on a "dry weight"  Parameters  8015B Diesel Range Organics	Lab ID: 603  ' basis and are adj  Results  Analytical Meth Pace Analytica	mg/kg 79264009 usted for per Units nod: EPA 801:	Collected: 09/01/2 rcent moisture, sa Report Limit 5B Preparation Me tansas City	1 14:00 mple s DF thod: E	D Received: 09  Size and any dilute  Prepared  EPA 3546	/03/21 09:00 M <b>ions.</b> Analyzed	latrix: Solid	Qua
Chloride  Sample: SWS-8(4")  Results reported on a "dry weight"  Parameters  8015B Diesel Range Organics  TPH-DRO (C10-C28)  TPH-ORO (C28-C35)	Lab ID: 603' basis and are adj Results Analytical Meth	mg/kg 79264009 usted for per Units	Collected: 09/01/2 rcent moisture, sa Report Limit 5B Preparation Me	1 14:00 <b>mple s</b> DF	D Received: 09 size and any dilut Prepared	/03/21 09:00 M ions. Analyzed 09/06/21 10:58	latrix: Solid	Qua
Chloride  Sample: SWS-8(4')  Results reported on a "dry weight"  Parameters  8015B Diesel Range Organics  TPH-DRO (C10-C28)  TPH-ORO (C28-C35)  Surrogates	ND  Lab ID: 603  basis and are adj  Results  Analytical Meth Pace Analytica  ND 13.0	mg/kg 79264009 usted for per Units nod: EPA 801: I Services - K mg/kg mg/kg	Collected: 09/01/2 rcent moisture, sa Report Limit 5B Preparation Me cansas City 10.8 10.8	1 14:00 mple s  DF  thod: E	Prepared  O Received: 09  Fize and any dilute  Prepared  O Prepare	/03/21 09:00 M ions. Analyzed  09/06/21 10:58 09/06/21 10:58	latrix: Solid  CAS No.	Qua
Chloride  Sample: SWS-8(4')  Results reported on a "dry weight"  Parameters  8015B Diesel Range Organics  TPH-DRO (C10-C28)  TPH-ORO (C28-C35)  Surrogates n-Tetracosane (S)	Lab ID: 603' ' basis and are adj Results Analytical Meth Pace Analytica	mg/kg 79264009 usted for per Units nod: EPA 801: I Services - K mg/kg	Collected: 09/01/2 rcent moisture, sa Report Limit 5B Preparation Me ansas City 10.8	1 14:00 mple s  DF  thod: E	Prepared  O Received: 09  Fize and any dilute  Prepared  O Prepare	/03/21 09:00 M ions. Analyzed 09/06/21 10:58	CAS No.	Qua
Chloride  Sample: SWS-8(4')  Results reported on a "dry weight"  Parameters  8015B Diesel Range Organics  TPH-DRO (C10-C28)	Results  Analytical Methodology Pace Analytica ND 13.0 69 81	mg/kg  79264009  usted for per Units  nod: EPA 801: I Services - K mg/kg mg/kg % % nod: EPA 801:	Collected: 09/01/2 rcent moisture, sa Report Limit  5B Preparation Me ansas City  10.8 10.8 31-152 46-130  5B Preparation Me	1 14:00 mple s  DF  thod: E	Prepared  O Received: 09  Fize and any dilute  Prepared  O Prepare	/03/21 09:00 M ions. Analyzed  09/06/21 10:58 09/06/21 10:58 09/06/21 10:58	CAS No.	Qua
Chloride  Sample: SWS-8(4')  Results reported on a "dry weight"  Parameters  8015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35)  Surrogates n-Tetracosane (S) p-Terphenyl (S)	ND  Lab ID: 603  basis and are adj Results  Analytical Meth Pace Analytica  ND 13.0  69 81  Analytical Meth	mg/kg  79264009  usted for per Units  nod: EPA 801: I Services - K mg/kg mg/kg % % nod: EPA 801:	Collected: 09/01/2 rcent moisture, sa Report Limit  5B Preparation Me ansas City  10.8 10.8 31-152 46-130  5B Preparation Me	1 14:00 mple s  DF  thod: E	Prepared  O Received: 09  Fize and any dilute  Prepared  O Prepare	/03/21 09:00 M ions. Analyzed  09/06/21 10:58 09/06/21 10:58 09/06/21 10:58 09/06/21 10:58	CAS No.	Qua

# **REPORT OF LABORATORY ANALYSIS**

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Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

Sample: SWS-8(4')	Lab ID: 603	79264009	Collected: 09/01/2	1 14:00	0 Received: 09	/03/21 09:00 N	latrix: Solid	
Results reported on a "dry weight	" basis and are adj	iusted for p	ercent moisture, sa	mple s	size and any dilut	ions.		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8260B MSV 5035A Low Level	Analytical Meth	nod: EPA 82	60B Preparation Me	thod: E	EPA 5035A/5030B			
	Pace Analytica	I Services -	Kansas City					
Benzene	ND	ug/kg	5.7	1	09/03/21 14:40	09/03/21 18:47	71-43-2	
Ethylbenzene	ND	ug/kg ug/kg	5.7	1		09/03/21 18:47		
Toluene	ND	ug/kg ug/kg	5.7	1		09/03/21 18:47		
Xylene (Total)	ND	ug/kg ug/kg	17.2	1		09/03/21 18:47		
Surrogates	ND	ug/kg	17.2	•	00/00/21 14:40	00/00/21 10.47	1000 20 7	
Toluene-d8 (S)	109	%	80-120	1	09/03/21 14:40	09/03/21 18:47	2037-26-5	
4-Bromofluorobenzene (S)	105	%	83-119	1		09/03/21 18:47		
I,2-Dichlorobenzene-d4 (S)	97	%	80-120	1		09/03/21 18:47		
,	A b - C b A - d		20074					
Percent Moisture	Analytical Meth							
	Pace Analytica	I Services -	Kansas City					
Percent Moisture	7.9	%	0.50	1		09/03/21 14:50		
9056 IC Anions	Analytical Meth	nod: EPA 90	56 Preparation Meth	nod: EF	PA 9056			
	Pace Analytica							
Chloride	ND	mg/kg	105	10		09/04/21 16:05		
		3 3						
• • • • • • • • • • • • • • • • • • • •	Lab ID: 603 " basis and are adj		Collected: 09/01/2				latrix: Solid	
• • • • • • • • • • • • • • • • • • • •							latrix: Solid  CAS No.	Qua
Results reported on a "dry weight Parameters	" basis and are adj	usted for p Units	Report Limit	mple s	Prepared	ions.		Qua
Results reported on a "dry weight Parameters	Results Analytical Met	Units Once the control of the contro	Report Limit  15B Preparation Me	mple s	Prepared	ions.		Qua
Results reported on a "dry weight Parameters	" basis and are adj	Units Once the control of the contro	Report Limit  15B Preparation Me	mple s	Prepared	ions.		Qua
Results reported on a "dry weight Parameters  8015B Diesel Range Organics	Results Analytical Met	Units Once the control of the contro	Report Limit  15B Preparation Me	mple s	Prepared PA 3546	ions.		Qua
Results reported on a "dry weight Parameters  B015B Diesel Range Organics  TPH-DRO (C10-C28)	Results  Analytical Methors Pace Analytica	Units  Hod: EPA 80  Il Services -  mg/kg	Report Limit  The Preparation Meters City	DF thod: E	Prepared PA 3546 09/03/21 13:58	Analyzed		Qua
Results reported on a "dry weight Parameters  B015B Diesel Range Organics  TPH-DRO (C10-C28)  TPH-ORO (C28-C35)	Results  Analytical Methors  Pace Analytica	Units  Hod: EPA 80  Il Services -	Report Limit  15B Preparation Me Kansas City  11.5	DF sthod: E	Prepared PA 3546 09/03/21 13:58	Analyzed 09/06/21 11:06		Qua
Results reported on a "dry weight Parameters  B015B Diesel Range Organics  TPH-DRO (C10-C28)  TPH-ORO (C28-C35)  Surrogates	Results  Analytical Methors  Pace Analytica	Units  Hod: EPA 80  Il Services -  mg/kg	Report Limit  15B Preparation Me Kansas City  11.5	DF sthod: E	Prepared  PA 3546  09/03/21 13:58  09/03/21 13:58	Analyzed 09/06/21 11:06	CAS No.	Qua
Results reported on a "dry weight Parameters  8015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates n-Tetracosane (S)	Results  Analytical Meth Pace Analytica  ND ND	Units  Hod: EPA 80  Il Services -  mg/kg  mg/kg	Report Limit  15B Preparation Me Kansas City  11.5  11.5	DF othod: E	Prepared  PA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58	Analyzed  09/06/21 11:06 09/06/21 11:06	CAS No. 646-31-1	Qua
Results reported on a "dry weight Parameters  8015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)	Results  Analytical Meth Pace Analytica  ND ND 70 79	Units  Hod: EPA 80  Il Services -  mg/kg  mg/kg  %  %	Report Limit  15B Preparation Me Kansas City  11.5  11.5  31-152  46-130	omple so DF othod: E	Prepared  Prepared  PA 3546  09/03/21 13:58  09/03/21 13:58  09/03/21 13:58	O9/06/21 11:06 09/06/21 11:06	CAS No. 646-31-1	Qua
Results reported on a "dry weight Parameters  8015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)	Results  Analytical Meth Pace Analytica  ND ND 70 79  Analytical Meth	units  Output  Units  Output	Report Limit  15B Preparation Me Kansas City  11.5 11.5 31-152 46-130  15B Preparation Me	omple so DF othod: E	Prepared  Prepared  PA 3546  09/03/21 13:58  09/03/21 13:58  09/03/21 13:58	O9/06/21 11:06 09/06/21 11:06	CAS No. 646-31-1	Qua
Results reported on a "dry weight Parameters  8015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)	Results  Analytical Meth Pace Analytica  ND ND 70 79	units  Output  Units  Output	Report Limit  15B Preparation Me Kansas City  11.5 11.5 31-152 46-130  15B Preparation Me	omple so DF othod: E	Prepared  Prepared  PA 3546  09/03/21 13:58  09/03/21 13:58  09/03/21 13:58	O9/06/21 11:06 09/06/21 11:06	CAS No. 646-31-1	Qua
Results reported on a "dry weight Parameters  8015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)  Gasoline Range Organics	Results  Analytical Meth Pace Analytica  ND ND 70 79  Analytical Meth	units  Output  Units  Output	Report Limit  15B Preparation Me Kansas City  11.5 11.5 31-152 46-130  15B Preparation Me	omple so DF othod: E	Prepared  Prepared  PA 3546  09/03/21 13:58  09/03/21 13:58  09/03/21 13:58	09/06/21 11:06 09/06/21 11:06 09/06/21 11:06 09/06/21 11:06	CAS No. 646-31-1	Qua
Results reported on a "dry weight Parameters  B015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)  Gasoline Range Organics  TPH-GRO Surrogates	Results  Analytical Methodology Pace Analytical ND ND 70 79 Analytical Methodology Pace Analytical ND ND ND ND ND	units  Outline  Units  Outline  Outline	Report Limit  15B Preparation Me Kansas City  11.5  11.5  31-152  46-130  15B Preparation Me Kansas City  13.3	thod: E	Prepared  PA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B  09/03/21 15:07	09/06/21 11:06 09/06/21 11:06 09/06/21 11:06 09/06/21 11:06 09/06/21 11:06	CAS No. 646-31-1 92-94-4	Qua
Results reported on a "dry weight Parameters  B015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)  Gasoline Range Organics  TPH-GRO Surrogates	Results  Analytical Methodology Pace Analytical ND ND 70 79  Analytical Methodology Analytical Methodology	units  Output  Units  Output	Report Limit  15B Preparation Me Kansas City  11.5  11.5  31-152  46-130  15B Preparation Me Kansas City	thod: E	Prepared  PA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B  09/03/21 15:07	09/06/21 11:06 09/06/21 11:06 09/06/21 11:06 09/06/21 11:06	CAS No. 646-31-1 92-94-4	Qua
Results reported on a "dry weight Parameters  8015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)  Gasoline Range Organics  TPH-GRO Surrogates 4-Bromofluorobenzene (S)	Results  Analytical Methodology Pace Analytical ND ND 70 79 Analytical Methodology Analytical Methodology Pace Analytical ND 94	units  Outline  Outli	Report Limit  15B Preparation Me Kansas City  11.5  11.5  31-152  46-130  15B Preparation Me Kansas City  13.3  63-121	thod: E	Prepared  PA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B  09/03/21 15:07	09/06/21 11:06 09/06/21 11:06 09/06/21 11:06 09/06/21 11:06 09/06/21 11:06	CAS No. 646-31-1 92-94-4	Qua
Results reported on a "dry weight Parameters  B015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)  Gasoline Range Organics  TPH-GRO Surrogates 4-Bromofluorobenzene (S)	Results  Analytical Methodology Pace Analytical ND ND 70 79 Analytical Methodology Analytical Methodology Pace Analytical ND 94	units  Outlies  Outli	Report Limit  15B Preparation Me Kansas City  11.5  31-152 46-130  15B Preparation Me Kansas City  13.3  63-121  60B Preparation Me	thod: E	Prepared  PA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B  09/03/21 15:07	09/06/21 11:06 09/06/21 11:06 09/06/21 11:06 09/06/21 11:06 09/06/21 11:06	CAS No. 646-31-1 92-94-4	Qua
Results reported on a "dry weight Parameters  B015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)  Gasoline Range Organics  TPH-GRO Surrogates 4-Bromofluorobenzene (S)  B260B MSV 5035A Low Level	Results  Analytical Methodology  Analytical Methodology  ND  ND  70  79  Analytical Methodology  Analytical Methodology  Pace Analytical  ND  94  Analytical Methodology  Analytical Methodology  Analytical Methodology  Analytical Methodology  Analytical Methodology  Analytical Methodology	units  Units  Hod: EPA 80  Il Services -  mg/kg  mg/kg  %  Hod: EPA 80  Il Services -  mg/kg  mg/kg	Report Limit  15B Preparation Me Kansas City  11.5  11.5  31-152  46-130  15B Preparation Me Kansas City  13.3  63-121  60B Preparation Me Kansas City	thod: E	Prepared  Prepared  O9/03/21 13:58  09/03/21 13:58  09/03/21 13:58  09/03/21 13:58  PA 5035A/5030B  09/03/21 15:07  09/03/21 15:07	09/06/21 11:06 09/06/21 11:06 09/06/21 11:06 09/06/21 11:06 09/06/21 11:06 09/03/21 23:43	CAS No. 646-31-1 92-94-4	Qua
Results reported on a "dry weight Parameters  B015B Diesel Range Organics  IPH-DRO (C10-C28) IPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S) Gasoline Range Organics  IPH-GRO Surrogates 4-Bromofluorobenzene (S) B260B MSV 5035A Low Level  Benzene	Results  Analytical Meth Pace Analytical ND ND 70 79 Analytical Meth Pace Analytical ND Analytical Meth Pace Analytical ND 94 Analytical Meth Pace Analytical ND	Units Units  Hod: EPA 80 Il Services -  mg/kg mg/kg % Hod: EPA 80 Il Services -  mg/kg % Hod: EPA 80 Il Services -  mg/kg %	Report Limit  15B Preparation Me Kansas City  11.5  11.5  31-152  46-130  15B Preparation Me Kansas City  13.3  63-121  60B Preparation Me Kansas City  6.7	thod: E	Prepared Prepared  Prepared  O9/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B  09/03/21 15:07 09/03/21 15:07 PA 5035A/5030B	09/06/21 11:06 09/06/21 11:06 09/06/21 11:06 09/06/21 11:06 09/06/21 11:06 09/03/21 23:43 09/03/21 23:43	CAS No. 646-31-1 92-94-4 460-00-4	Qua
Results reported on a "dry weight Parameters  B015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S) Gasoline Range Organics  TPH-GRO Surrogates 4-Bromofluorobenzene (S) B260B MSV 5035A Low Level  Benzene Ethylbenzene	Results  Analytical Meth Pace Analytical ND ND 70 79 Analytical Meth Pace Analytical ND ND Analytical Meth Pace Analytical ND 94 Analytical Meth Pace Analytical ND ND ND	units  Outling  Units  Outling  Outling	Report Limit  15B Preparation Me Kansas City  11.5  11.5  31-152  46-130  15B Preparation Me Kansas City  13.3  63-121  60B Preparation Me Kansas City  6.7  6.7	thod: E	Prepared  Prepared  PA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B  09/03/21 15:07  PA 5035A/5030B  09/03/21 14:40 09/03/21 14:40	09/06/21 11:06 09/06/21 11:06 09/06/21 11:06 09/06/21 11:06 09/06/21 11:06 09/03/21 23:43 09/03/21 23:43	CAS No. 646-31-1 92-94-4 71-43-2 100-41-4	Qua
Results reported on a "dry weight Parameters  B015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S) Gasoline Range Organics  TPH-GRO Surrogates 4-Bromofluorobenzene (S) B260B MSV 5035A Low Level  Benzene Ethylbenzene Toluene	Results  Analytical Meth Pace Analytical ND ND 70 79 Analytical Meth Pace Analytical ND ND Analytical Meth Pace Analytical ND 94 Analytical Meth Pace Analytical ND ND ND ND ND	units  Outling  Outli	Report Limit  15B Preparation Me Kansas City  11.5  31-152  46-130  15B Preparation Me Kansas City  13.3  63-121  60B Preparation Me Kansas City  6.7  6.7  6.7	thod: E	Prepared  Prepared  PA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B  09/03/21 15:07  PA 5035A/5030B  09/03/21 14:40 09/03/21 14:40 09/03/21 14:40	09/06/21 11:06 09/06/21 11:06 09/06/21 11:06 09/06/21 11:06 09/06/21 11:06 09/03/21 23:43 09/03/21 23:43	CAS No.  646-31-1 92-94-4  71-43-2 100-41-4 108-88-3	Qua
Results reported on a "dry weight Parameters  8015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)  Gasoline Range Organics  TPH-GRO Surrogates 4-Bromofluorobenzene (S) 8260B MSV 5035A Low Level  Benzene Ethylbenzene Toluene Xylene (Total)	Results  Analytical Meth Pace Analytical ND ND 70 79 Analytical Meth Pace Analytical ND ND Analytical Meth Pace Analytical ND 94 Analytical Meth Pace Analytical ND ND ND	units  Outling  Units  Outling  Outling	Report Limit  15B Preparation Me Kansas City  11.5  11.5  31-152  46-130  15B Preparation Me Kansas City  13.3  63-121  60B Preparation Me Kansas City  6.7  6.7	thod: E	Prepared  Prepared  PA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B  09/03/21 15:07  PA 5035A/5030B  09/03/21 14:40 09/03/21 14:40 09/03/21 14:40	09/06/21 11:06 09/06/21 11:06 09/06/21 11:06 09/06/21 11:06 09/06/21 11:06 09/03/21 23:43 09/03/21 23:43	CAS No.  646-31-1 92-94-4  71-43-2 100-41-4 108-88-3	Qua
Sample: NSW-1(5') Results reported on a "dry weight Parameters  8015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)  Gasoline Range Organics  TPH-GRO Surrogates 4-Bromofluorobenzene (S)  8260B MSV 5035A Low Level  Benzene Ethylbenzene Toluene Xylene (Total) Surrogates Toluene-d8 (S)	Results  Analytical Meth Pace Analytical ND ND 70 79 Analytical Meth Pace Analytical ND ND Analytical Meth Pace Analytical ND 94 Analytical Meth Pace Analytical ND ND ND ND ND	units  Outling  Outli	Report Limit  15B Preparation Me Kansas City  11.5  31-152  46-130  15B Preparation Me Kansas City  13.3  63-121  60B Preparation Me Kansas City  6.7  6.7  6.7	thod: E	Prepared Prepared  Prepared  9/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B  09/03/21 15:07 09/03/21 15:07 PA 5035A/5030B  09/03/21 14:40 09/03/21 14:40 09/03/21 14:40 09/03/21 14:40	09/06/21 11:06 09/06/21 11:06 09/06/21 11:06 09/06/21 11:06 09/06/21 11:06 09/03/21 23:43 09/03/21 23:43	CAS No.  646-31-1 92-94-4  460-00-4  71-43-2 100-41-4 108-88-3 1330-20-7	Qua

# **REPORT OF LABORATORY ANALYSIS**

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Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

Sample: NSW-1(5')	Lab ID: 603		Collected: 09/01/2				/latrix: Solid	
Results reported on a "dry weight	t" basis and are adj	usted for p	ercent moisture, sa	imple s	ize and any dilu	tions.		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
3260B MSV 5035A Low Level	Analytical Meth	nod: EPA 82	260B Preparation Me	ethod: E	PA 5035A/5030B			
	Pace Analytica	l Services -	Kansas City					
Surrogates								
4-Bromofluorobenzene (S)	103	%	83-119	1	09/03/21 14:40	09/03/21 19:07	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	80-120	1	09/03/21 14:40	09/03/21 19:07	2199-69-1	
Percent Moisture	Analytical Meth	nod: ASTM	D2974					
	Pace Analytica	l Services -	Kansas City					
Percent Moisture	17.1	%	0.50	1		09/03/21 14:50		
9056 IC Anions	Analytical Meth	nod: EPA 90	056 Preparation Meth	hod: EF	A 9056			
	Pace Analytica	l Services -	Kansas City					
Chloride	185	mg/kg	116	10	09/04/21 08:59	09/04/21 16:16	16887-00-6	
Sample: NSW-2(4')	Lab ID: 603	70264011	Collected: 09/01/2	21 14:00	Received: 09	1/02/21 00:00 N	Matrix: Solid	
Results reported on a "dry weight							natrix. Solid	
results reported on a dry weight	. Dasis and are adj	usica ioi p	ici cerit irioistare, sa	iiiipic s	ize and any and	uons.		
Parameters	Paculte	Unite	Penort Limit	DE	Dranarad	Analyzed	CAS No	Oua
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
			Report Limit  O15B Preparation Me		<del>-</del>	Analyzed	CAS No.	Qua
		nod: EPA 80	O15B Preparation Me		<del>-</del>	Analyzed	CAS No.	Qua
3015B Diesel Range Organics	Analytical Meth	nod: EPA 80 Il Services -	015B Preparation Me Kansas City	ethod: E	PA 3546		CAS No.	Qua
3015B Diesel Range Organics  TPH-DRO (C10-C28)	Analytical Meth	nod: EPA 80 Il Services - mg/kg	O15B Preparation Me		PA 3546 09/03/21 13:58	Analyzed  09/06/21 11:14  09/06/21 11:14	CAS No.	Qua
B015B Diesel Range Organics  TPH-DRO (C10-C28)  TPH-ORO (C28-C35)	Analytical Meth Pace Analytica ND	nod: EPA 80 Il Services -	015B Preparation Me Kansas City 11.8	ethod: E	PA 3546 09/03/21 13:58	09/06/21 11:14	CAS No.	Qua
B015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35)  Surrogates	Analytical Meth Pace Analytica ND	nod: EPA 80 Il Services - mg/kg	015B Preparation Me Kansas City 11.8	ethod: E	PA 3546 09/03/21 13:58 09/03/21 13:58	09/06/21 11:14		Qua
RO15B Diesel Range Organics  TPH-DRO (C10-C28)  TPH-ORO (C28-C35)  Surrogates  n-Tetracosane (S)	Analytical Meth Pace Analytica ND ND	nod: EPA 80 Il Services - mg/kg mg/kg	D15B Preparation Me Kansas City 11.8 11.8	ethod: E	09/03/21 13:58 09/03/21 13:58 09/03/21 13:58	09/06/21 11:14 09/06/21 11:14	646-31-1	Qua
GO15B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) D-Terphenyl (S)	Analytical Meth Pace Analytica ND ND 67 74	mod: EPA 80 Il Services - mg/kg mg/kg %	D15B Preparation Me Kansas City 11.8 11.8 31-152	ethod: E 1 1 1 1	09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58	09/06/21 11:14 09/06/21 11:14 09/06/21 11:14 09/06/21 11:14	646-31-1	Qua
TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)	Analytical Meth Pace Analytica ND ND 67 74	mod: EPA 80 Il Services - mg/kg mg/kg % %	D15B Preparation Me Hansas City 11.8 11.8 31-152 46-130 D15B Preparation Me	ethod: E 1 1 1 1	09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58	09/06/21 11:14 09/06/21 11:14 09/06/21 11:14 09/06/21 11:14	646-31-1	Qua
B015B Diesel Range Organics  TPH-DRO (C10-C28)  TPH-ORO (C28-C35)  Surrogates  n-Tetracosane (S)  p-Terphenyl (S)  Gasoline Range Organics	Analytical Meth Pace Analytica ND ND 67 74 Analytical Meth Pace Analytica	mod: EPA 80 Il Services - mg/kg mg/kg % mod: EPA 80 Il Services -	D15B Preparation Me  Kansas City  11.8  11.8  31-152  46-130  D15B Preparation Me  Kansas City	ethod: E  1 1 1 1 1 ethod: E	09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58	09/06/21 11:14 09/06/21 11:14 09/06/21 11:14 09/06/21 11:14	646-31-1 92-94-4	Qua
B015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates h-Tetracosane (S) h-Terphenyl (S) Gasoline Range Organics  FPH-GRO Surrogates	Analytical Meth Pace Analytica ND ND 67 74 Analytical Meth	mod: EPA 80 Il Services - mg/kg mg/kg % %	D15B Preparation Me Hansas City 11.8 11.8 31-152 46-130 D15B Preparation Me	ethod: E 1 1 1 1	09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58	09/06/21 11:14 09/06/21 11:14 09/06/21 11:14 09/06/21 11:14	646-31-1 92-94-4	Qua
B015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)  Gasoline Range Organics  FPH-GRO Surrogates	Analytical Meth Pace Analytica ND ND 67 74 Analytical Meth Pace Analytica	mod: EPA 80 Il Services - mg/kg mg/kg % mod: EPA 80 Il Services -	D15B Preparation Me  Kansas City  11.8  11.8  31-152  46-130  D15B Preparation Me  Kansas City	ethod: E  1 1 1 1 1 ethod: E	09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B	09/06/21 11:14 09/06/21 11:14 09/06/21 11:14 09/06/21 11:14	646-31-1 92-94-4	Qua
B015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)  Gasoline Range Organics  FPH-GRO Surrogates 4-Bromofluorobenzene (S)	Analytical Meth Pace Analytica ND ND 67 74 Analytical Meth Pace Analytical ND 94	mod: EPA 80 Il Services - mg/kg mg/kg % nod: EPA 80 Il Services - mg/kg %	2015B Preparation Me Kansas City 11.8 11.8 31-152 46-130 2015B Preparation Me Kansas City	ethod: E  1 1 1 1 tethod: E	09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B 09/03/21 15:07 09/03/21 15:07	09/06/21 11:14 09/06/21 11:14 09/06/21 11:14 09/06/21 11:14 09/06/21 11:14	646-31-1 92-94-4	Qua
B015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)  Gasoline Range Organics  FPH-GRO Surrogates 4-Bromofluorobenzene (S)	Analytical Meth Pace Analytica ND ND 67 74 Analytical Meth Pace Analytical ND 94	mod: EPA 80 Il Services - mg/kg mg/kg % mod: EPA 80 Il Services - mg/kg %	250B Preparation Me  11.8  11.8  31-152  46-130  215B Preparation Me  Kansas City  13.0  63-121	ethod: E  1 1 1 1 tethod: E	09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B 09/03/21 15:07 09/03/21 15:07	09/06/21 11:14 09/06/21 11:14 09/06/21 11:14 09/06/21 11:14 09/06/21 11:14	646-31-1 92-94-4	Qua
B015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)  Gasoline Range Organics  TPH-GRO Surrogates 4-Bromofluorobenzene (S) B260B MSV 5035A Low Level	Analytical Meth Pace Analytical ND ND 67 74 Analytical Meth Pace Analytical ND 94 Analytical Meth Pace Analytical	mod: EPA 80 Il Services - mg/kg mg/kg % mod: EPA 80 Il Services - mg/kg %	260B Preparation Medical Reparation Medical Reparat	ethod: E  1 1 1 1 1 1 1 1 tethod: E	09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B 09/03/21 15:07 09/03/21 15:07	09/06/21 11:14 09/06/21 11:14 09/06/21 11:14 09/06/21 11:14 09/03/21 23:58 09/03/21 23:58	646-31-1 92-94-4 460-00-4	Qua
B015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)  Gasoline Range Organics  FPH-GRO Surrogates 1-Bromofluorobenzene (S)  B260B MSV 5035A Low Level	Analytical Meth Pace Analytical ND ND 67 74 Analytical Meth Pace Analytical ND 94 Analytical Meth Pace Analytical	mod: EPA 80 Il Services - mg/kg mg/kg % mod: EPA 80 Il Services - mg/kg % mod: EPA 82 Il Services - ug/kg	260B Preparation Me Kansas City  11.8  31-152  46-130  215B Preparation Me Kansas City  13.0  63-121  260B Preparation Me Kansas City  655	ethod: E  1 1 1 1 1 1 1 tethod: E	09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B 09/03/21 15:07 09/03/21 15:07 PA 5035A/5030B	09/06/21 11:14 09/06/21 11:14 09/06/21 11:14 09/06/21 11:14 09/03/21 23:58 09/03/21 23:58	646-31-1 92-94-4 460-00-4 71-43-2	Qua
RO15B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) FURDER OF CONTROL OF CO	Analytical Meth Pace Analytica ND ND 67 74 Analytical Meth Pace Analytica ND 94 Analytical Meth Pace Analytical ND ND ND	mod: EPA 80 Il Services - mg/kg mg/kg % hod: EPA 80 Il Services - mg/kg % hod: EPA 82 Il Services - ug/kg ug/kg	2015B Preparation Me 11.8 11.8 31-152 46-130 2015B Preparation Me Kansas City 13.0 63-121 260B Preparation Me Kansas City 6.5 6.5	ethod: E  1 1 1 1 1 1 1 1 ethod: E  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B 09/03/21 15:07 09/03/21 15:07 PA 5035A/5030B 09/03/21 14:40 09/03/21 14:40	09/06/21 11:14 09/06/21 11:14 09/06/21 11:14 09/06/21 11:14 09/03/21 23:58 09/03/21 23:58	646-31-1 92-94-4 460-00-4 71-43-2 100-41-4	Qua
B015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)  Gasoline Range Organics  FPH-GRO Surrogates 1-Bromofluorobenzene (S) B260B MSV 5035A Low Level  Genzene Ethylbenzene Foluene	Analytical Meth Pace Analytica ND ND 67 74 Analytical Meth Pace Analytica ND 94 Analytical Meth Pace Analytical ND ND ND ND	mod: EPA 80 Il Services - mg/kg mg/kg % hod: EPA 80 Il Services - mg/kg % hod: EPA 82 Il Services - ug/kg ug/kg ug/kg	2015B Preparation Medical Kansas City  11.8  11.8  31-152  46-130  2015B Preparation Medical Kansas City  13.0  63-121  260B Preparation Medical Kansas City  6.5  6.5  6.5	ethod: E  1 1 1 1 1 1 1 1 ethod: E  1 1 1 1 1 1 1 1 1 1 1 1 1 1	9/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B 09/03/21 15:07 09/03/21 15:07 PA 5035A/5030B 09/03/21 14:40 09/03/21 14:40 09/03/21 14:40	09/06/21 11:14 09/06/21 11:14 09/06/21 11:14 09/06/21 11:14 09/06/21 11:14 09/03/21 23:58 09/03/21 23:58 09/03/21 19:27 09/03/21 19:27 09/03/21 19:27	646-31-1 92-94-4 460-00-4 71-43-2 100-41-4 108-88-3	Qua
BO15B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)  Gasoline Range Organics  FPH-GRO Surrogates 1-Bromofluorobenzene (S) B260B MSV 5035A Low Level  Genzene Ethylbenzene Foluene Kylene (Total)	Analytical Meth Pace Analytica ND ND 67 74 Analytical Meth Pace Analytica ND 94 Analytical Meth Pace Analytical ND ND ND	mod: EPA 80 Il Services - mg/kg mg/kg % hod: EPA 80 Il Services - mg/kg % hod: EPA 82 Il Services - ug/kg ug/kg	2015B Preparation Me 11.8 11.8 31-152 46-130 2015B Preparation Me Kansas City 13.0 63-121 260B Preparation Me Kansas City 6.5 6.5	ethod: E  1 1 1 1 1 1 1 1 ethod: E  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B 09/03/21 15:07 09/03/21 15:07 PA 5035A/5030B 09/03/21 14:40 09/03/21 14:40 09/03/21 14:40	09/06/21 11:14 09/06/21 11:14 09/06/21 11:14 09/06/21 11:14 09/03/21 23:58 09/03/21 23:58	646-31-1 92-94-4 460-00-4 71-43-2 100-41-4 108-88-3	Qua
BO15B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)  Gasoline Range Organics  FPH-GRO Surrogates 1-Bromofluorobenzene (S) B260B MSV 5035A Low Level  Benzene Ethylbenzene Foluene Kylene (Total) Surrogates Surrogates	Analytical Meth Pace Analytica ND ND 67 74 Analytical Meth Pace Analytica ND 94 Analytical Meth Pace Analytical ND ND ND ND	mod: EPA 80 Il Services - mg/kg mg/kg % hod: EPA 80 Il Services - mg/kg % hod: EPA 82 Il Services - ug/kg ug/kg ug/kg	2015B Preparation Medical Kansas City  11.8  11.8  31-152  46-130  2015B Preparation Medical Kansas City  13.0  63-121  260B Preparation Medical Kansas City  6.5  6.5  6.5	ethod: E  1 1 1 1 1 1 1 1 ethod: E  1 1 1 1 1 1 1 1 1 1 1 1 1 1	09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B 09/03/21 15:07 09/03/21 15:07 PA 5035A/5030B 09/03/21 14:40 09/03/21 14:40 09/03/21 14:40	09/06/21 11:14 09/06/21 11:14 09/06/21 11:14 09/06/21 11:14 09/06/21 11:14 09/03/21 23:58 09/03/21 23:58 09/03/21 19:27 09/03/21 19:27 09/03/21 19:27	646-31-1 92-94-4 460-00-4 71-43-2 100-41-4 108-88-3 1330-20-7	Qua
Parameters  B015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)  Gasoline Range Organics  TPH-GRO Surrogates 4-Bromofluorobenzene (S)  B260B MSV 5035A Low Level  Benzene Ethylbenzene Toluene Xylene (Total) Surrogates Toluene-d8 (S) 4-Bromofluorobenzene (S)	Analytical Meth Pace Analytica ND ND 67 74 Analytical Meth Pace Analytica ND 94 Analytical Meth Pace Analytical ND ND ND ND ND ND ND	mod: EPA 80 Il Services - mg/kg mg/kg % mod: EPA 80 Il Services - mg/kg % mod: EPA 82 Il Services - ug/kg ug/kg ug/kg ug/kg	11.8 11.8 11.8 11.8 31-152 46-130 015B Preparation Me Kansas City 13.0 63-121 060B Preparation Me Kansas City 6.5 6.5 6.5 19.5	ethod: E  1 1 1 1 1 1 1 ethod: E  1 1 1 1 1 1 1 1 1 1 1 1	9/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 19A 5035A/5030B 09/03/21 15:07 09/03/21 15:07 19A 5035A/5030B 09/03/21 14:40 09/03/21 14:40 09/03/21 14:40 09/03/21 14:40 09/03/21 14:40	09/06/21 11:14 09/06/21 11:14 09/06/21 11:14 09/06/21 11:14 09/06/21 11:14 09/03/21 23:58 09/03/21 23:58 09/03/21 19:27 09/03/21 19:27 09/03/21 19:27	646-31-1 92-94-4 460-00-4 71-43-2 100-41-4 108-88-3 1330-20-7 2037-26-5	Qua

# **REPORT OF LABORATORY ANALYSIS**

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Project: 212-MD-02572, TASK 104

Sample: NSW-2(4')	Lab ID: 603	79264011	Collected: 09/01/2	1 14.00	0 Received: 09	2/03/21 00·00 <b>№</b>	Matrix: Solid	
Sample. NSW-2(4 ) Results reported on a "dry weight							natrix. Solid	
	_	_		-	-			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Metl	hod: ASTM I	D2974					
ercent moisture	Pace Analytica							
	•		•					
Percent Moisture	16.5	%	0.50	1		09/03/21 14:50		
9056 IC Anions	Analytical Met	hod: EPA 90	56 Preparation Meth	nod: EF	PA 9056			
	Pace Analytica	al Services -	Kansas City					
Chloride	ND	mg/kg	116	10	09/04/21 08:59	09/04/21 16:27	16887-00-6	
		3 3						
	1 - L ID 000	70004040	0-1111 00/04/6	14 4 4 0	Description 1 00	V/00/04 00 00 B	A-res O-Pal	
Sample: NSW-3(4')	Lab ID: 603		Collected: 09/01/2	_			Matrix: Solid	
Results reported on a "dry weight	_	ustea for p		-	size and any dilui	tions.		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
201ED Discal Dance Organica	Analytical Mot	had: EDA 90	115D Droporation Ma	thad: E	DA 2546			
3015B Diesel Range Organics	Pace Analytica		115B Preparation Me	illou. E	PA 3340			
	•		•					
ГРН-DRO (С10-С28)	ND	mg/kg	10.9	1		09/06/21 11:21		
TPH-ORO (C28-C35)	ND	mg/kg	10.9	1	09/03/21 13:58	09/06/21 11:21		
Surrogates	20	0.4	04.450		00/00/04 40 50	00/00/04 44 04	040.04.4	
n-Tetracosane (S)	69	%	31-152	1		09/06/21 11:21		
p-Terphenyl (S)	75	%	46-130	1	09/03/21 13:58	09/06/21 11:21	92-94-4	
Gasoline Range Organics	Analytical Met	hod: EPA 80	15B Preparation Me	thod: E	PA 5035A/5030B			
	Pace Analytica	l Services -	Kansas City					
TPH-GRO	ND	mg/kg	11.4	1	09/03/21 15:07	09/04/21 00:13		
Surrogates	ND	mg/kg	11.4	'	03/03/21 13.07	03/04/21 00:13		
4-Bromofluorobenzene (S)	95	%	63-121	1	09/03/21 15:07	09/04/21 00:13	460-00-4	
	Analytical Mot	had: EDA 93	260B Preparation Me	thad: E	DA E02EA/E020B			
3260B MSV 5035A Low Level				etriod. E	:PA 3033A/3030B			
	Pace Analytica	il Services -	Kansas City					
Benzene	ND	ug/kg	5.7	1	09/03/21 14:40	09/03/21 19:47	71-43-2	
Ethylbenzene	ND	ug/kg	5.7	1	09/03/21 14:40	09/03/21 19:47	100-41-4	
Toluene	ND	ug/kg	5.7	1	09/03/21 14:40	09/03/21 19:47	108-88-3	
Kylene (Total)	ND	ug/kg	17.1	1	09/03/21 14:40	09/03/21 19:47	1330-20-7	
Surrogates								
Toluene-d8 (S)	110	%	80-120	1		09/03/21 19:47		
4-Bromofluorobenzene (S)	103	%	83-119	1		09/03/21 19:47		
,2-Dichlorobenzene-d4 (S)	99	%	80-120	1	09/03/21 14:40	09/03/21 19:47	2199-69-1	
Percent Moisture	Analytical Met	hod: ASTM I	D2974					
	Pace Analytica	l Services -	Kansas City					
Percent Moisture	8.9	%	0.50	1		09/03/21 14:50		
						10,00,111100		
9056 IC Anions	•		56 Preparation Met	nod: EF	PA 9056			
	Pace Analytica	al Services -	Kansas City					
Chloride	112	mg/kg	109	10	09/04/21 08:59	09/04/21 16:38	16887-00-6	
<del>/ -</del>	=		.00	. •	32.2 2 . 00.00			

# **REPORT OF LABORATORY ANALYSIS**

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# **ANALYTICAL RESULTS**

Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

Sample: NSW-4(4')	Lab ID: 603	79264013	Collected: 09/01/2	21 14:00	Received: 09	0/03/21 09:00 N	/latrix: Solid	
Results reported on a "dry weight	" basis and are ad	justed for p	ercent moisture, sa	mple s	ize and any dilu	tions.		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8015B Diesel Range Organics	Analytical Met	hod: EPA 80	)15B Preparation Me	thod: E	PA 3546			
	Pace Analytica	al Services -	Kansas City					
ГРН-DRO (C10-C28)	ND	mg/kg	11.0	1	09/03/21 13:58	09/06/21 11:29		
ГРН-ORO (C28-C35)	ND	mg/kg	11.0	1	09/03/21 13:58	09/06/21 11:29		
Surrogates								
n-Tetracosane (S)	71	%	31-152	1		09/06/21 11:29		
p-Terphenyl (S)	76	%	46-130	1	09/03/21 13:58	09/06/21 11:29	92-94-4	
Gasoline Range Organics	Analytical Met	hod: EPA 80	15B Preparation Me	thod: E	PA 5035A/5030B			
	Pace Analytica	al Services -	Kansas City					
TPH-GRO	ND	mg/kg	11.6	1	09/03/21 15:07	09/04/21 00:28		
Surrogates								
1-Bromofluorobenzene (S)	93	%	63-121	1	09/03/21 15:07	09/04/21 00:28	460-00-4	
8260B MSV 5035A Low Level	Analytical Met	hod: EPA 82	260B Preparation Me	thod: E	PA 5035A/5030B			
	Pace Analytica							
Benzene	ND	ug/kg	5.8	1	09/03/21 14:40	09/03/21 20:07	71-43-2	
Ethylbenzene	ND	ug/kg	5.8	1		09/03/21 20:07		
Toluene	ND	ug/kg	5.8	1		09/03/21 20:07		
(ylene (Total)	ND	ug/kg	17.4	1		09/03/21 20:07		
Surrogates		3. 3						
Toluene-d8 (S)	109	%	80-120	1	09/03/21 14:40	09/03/21 20:07	2037-26-5	
1-Bromofluorobenzene (S)	105	%	83-119	1	09/03/21 14:40	09/03/21 20:07	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	80-120	1	09/03/21 14:40	09/03/21 20:07	2199-69-1	
Percent Moisture	Analytical Met	hod: ASTM I	D2974					
	Pace Analytica							
Percent Moisture	11.1	%	0.50	1		09/03/21 14:50		
0056 IC Anions	Analytical Met	hod: FPA 90	056 Preparation Meth	nod: FP	A 9056			
1000 TO ATHORIS	Pace Analytica			10a. Li	7,0000			
Shlarida	-		-	10	00/04/24 09:50	00/04/24 47:44	16007.00.6	
Chloride	124	mg/kg	111	10	09/04/21 08.59	09/04/21 17:11	10007-00-0	
		<del></del>	0 11 4 1 00/04/0			100/04 00 00 1	4	
Sample: NSW-5(4')	Lab ID: 603		Collected: 09/01/2				Matrix: Solid	
Results reported on a "dry weight		-		-	-			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8015B Diesel Range Organics	Analytical Met	hod: EPA 80	)15B Preparation Me	thod: E	PA 3546			
0 0	Pace Analytica							
ГРН-DRO (С10-С28)	ND	mg/kg	10.9	1	09/03/21 13:58	09/06/21 11:37		
ГРН-ORO (C28-C35)	15.4	mg/kg	10.9	1		09/06/21 11:37		
Surrogates		J J	. 3.0	•				
n-Tetracosane (S)	72	%	31-152	1	09/03/21 13:58	09/06/21 11:37	646-31-1	
o-Terphenyl (S)	79	%	46-130	1	09/03/21 13:58	00/06/21 11:37	92-94-4	

# **REPORT OF LABORATORY ANALYSIS**

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Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

	Lab ID: 603	79264014	Collected: 09/01/2	1 14:0	0 Received: 09	/03/21 09:00 N	latrix: Solid	
Results reported on a "dry weight"	" basis and are adj	usted for per	rcent moisture, sa	mple s	size and any dilut	ions.		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
Gasoline Range Organics	Analytical Meth Pace Analytica		5B Preparation Me ansas City	thod: E	EPA 5035A/5030B			
TPH-GRO <b>Surrogates</b>	ND	mg/kg	11.8	1	09/03/21 15:07	09/04/21 00:43		
4-Bromofluorobenzene (S)	94	%	63-121	1	09/03/21 15:07	09/04/21 00:43	460-00-4	
8260B MSV 5035A Low Level	Analytical Meth Pace Analytica		OB Preparation Me ansas City	thod: E	EPA 5035A/5030B			
Benzene	ND	ug/kg	5.9	1	09/03/21 15:07	09/03/21 22:45	71-43-2	
Ethylbenzene	ND	ug/kg	5.9	1	09/03/21 15:07	09/03/21 22:45	100-41-4	
Toluene	ND	ug/kg	5.9	1	09/03/21 15:07	09/03/21 22:45	108-88-3	
Xylene (Total) <b>Surrogates</b>	ND	ug/kg	17.7	1	09/03/21 15:07	09/03/21 22:45	1330-20-7	
Toluene-d8 (S)	108	%	80-120	1	09/03/21 15:07	09/03/21 22:45	2037-26-5	
4-Bromofluorobenzene (S)	104	%	83-119	1	09/03/21 15:07	09/03/21 22:45	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	80-120	1	09/03/21 15:07	09/03/21 22:45	2199-69-1	
Percent Moisture	Analytical Meth Pace Analytica							
Percent Moisture	11.2	%	0.50	1		09/03/21 14:50		
	Analytical Meth	nod: EPA 905	C Propagation Moth	od. E	PA 9056			
9056 IC Anions	Pace Analytica			iou. Li				
9056 IC Anions Chloride				10		09/04/21 17:22	16887-00-6	
Chloride  Sample: NSW-6(4')  Results reported on a "dry weight"  Parameters	Pace Analytica 218  Lab ID: 603  basis and are adj  Results	I Services - K mg/kg 79264015 usted for per Units	ansas City 108 Collected: 09/01/2	10 1 14:0 <b>mple s</b> DF	09/04/21 08:59  Received: 09  Size and any dilute  Prepared	/03/21 09:00 M	16887-00-6  Matrix: Solid  CAS No.	Qua
Chloride Sample: NSW-6(4') Results reported on a "dry weight"	Pace Analytica 218  Lab ID: 603  basis and are adj  Results	T9264015 Units  mod: EPA 8018	Collected: 09/01/2 rcent moisture, sa Report Limit B Preparation Me	10 1 14:0 <b>mple s</b> DF	09/04/21 08:59  Received: 09  Size and any dilute  Prepared	/03/21 09:00 N	latrix: Solid	Qua
Chloride  Sample: NSW-6(4')  Results reported on a "dry weight"  Parameters  8015B Diesel Range Organics	Pace Analytica 218  Lab ID: 603  basis and are adj  Results  Analytical Meth	T9264015 Units  mod: EPA 8018	Collected: 09/01/2 rcent moisture, sa Report Limit B Preparation Me	10 1 14:0 <b>mple s</b> DF	09/04/21 08:59  Received: 09  Size and any dilute  Prepared	/03/21 09:00 M <b>ions.</b> Analyzed	latrix: Solid	Qua
Chloride  Sample: NSW-6(4")  Results reported on a "dry weight"  Parameters  8015B Diesel Range Organics  TPH-DRO (C10-C28)  TPH-ORO (C28-C35)	Pace Analytica 218  Lab ID: 603  " basis and are adj  Results  Analytical Meth Pace Analytica	rg/kg rg264015 usted for per Units nod: EPA 8018	Collected: 09/01/2 rcent moisture, sa Report Limit 5B Preparation Melansas City	10 1 14:0 <b>mple s</b> DF thod: E	09/04/21 08:59  Received: 09  Size and any dilute  Prepared  EPA 3546	/03/21 09:00 M ions. Analyzed 09/06/21 11:45	latrix: Solid	Qua
Chloride  Sample: NSW-6(4')  Results reported on a "dry weight"  Parameters  8015B Diesel Range Organics  TPH-DRO (C10-C28)  TPH-ORO (C28-C35)  Surrogates	Pace Analytica 218  Lab ID: 603  " basis and are adj  Results  Analytical Meth Pace Analytica 12.8	rg/kg rg264015 usted for pel Units nod: EPA 8019 I Services - K mg/kg	Collected: 09/01/2 rcent moisture, sa Report Limit 5B Preparation Melansas City 11.1	10 1 14:0 <b>mple s</b> DF thod: E	09/04/21 08:59  0 Received: 09  size and any dilute Prepared  EPA 3546  09/03/21 13:58  09/03/21 13:58	/03/21 09:00 M ions. Analyzed 09/06/21 11:45	datrix: Solid  CAS No.	Qua
Chloride  Sample: NSW-6(4")  Results reported on a "dry weight"  Parameters  8015B Diesel Range Organics  TPH-DRO (C10-C28)  TPH-ORO (C28-C35)  Surrogates n-Tetracosane (S)	Pace Analytica 218  Lab ID: 603  " basis and are adj  Results  Analytical Meth Pace Analytica 12.8 14.8	rg/kg rg264015 usted for per Units nod: EPA 8018 I Services - K mg/kg mg/kg	Collected: 09/01/2 rcent moisture, sa Report Limit 5B Preparation Melansas City 11.1 11.1	10 mple s DF thod: E	09/04/21 08:59  0 Received: 09  size and any dilute Prepared  EPA 3546  09/03/21 13:58  09/03/21 13:58	/03/21 09:00 M ions. Analyzed  09/06/21 11:45 09/06/21 11:45	CAS No.	Qua
Chloride  Sample: NSW-6(4')  Results reported on a "dry weight"  Parameters  8015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35)  Surrogates n-Tetracosane (S) p-Terphenyl (S)	Pace Analytica 218  Lab ID: 603  basis and are adj Results  Analytical Meth Pace Analytica 12.8 14.8 68 75	79264015 Units  Hod: EPA 8018 I Services - K mg/kg mg/kg % hod: EPA 8018	Collected: 09/01/2 rcent moisture, sa Report Limit 5B Preparation Me ansas City 11.1 11.1 31-152 46-130 5B Preparation Me	10 114:0 mple s DF thod: E	09/04/21 08:59  0 Received: 09  size and any dilute Prepared  EPA 3546  09/03/21 13:58  09/03/21 13:58  09/03/21 13:58  09/03/21 13:58	/03/21 09:00 M ions. Analyzed  09/06/21 11:45 09/06/21 11:45 09/06/21 11:45	CAS No.	Qua
Chloride  Sample: NSW-6(4')  Results reported on a "dry weight"  Parameters	Pace Analytica 218  Lab ID: 603  basis and are adj Results  Analytical Meth Pace Analytica 12.8 14.8 68 75  Analytical Meth	79264015 Units  Hod: EPA 8018 I Services - K mg/kg mg/kg % hod: EPA 8018	Collected: 09/01/2 rcent moisture, sa Report Limit 5B Preparation Me ansas City 11.1 11.1 31-152 46-130 5B Preparation Me	10 114:0 mple s DF thod: E	09/04/21 08:59  0 Received: 09  size and any dilute Prepared  EPA 3546  09/03/21 13:58  09/03/21 13:58  09/03/21 13:58  09/03/21 13:58	/03/21 09:00 M ions. Analyzed  09/06/21 11:45 09/06/21 11:45 09/06/21 11:45 09/06/21 11:45	CAS No.	Qua

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Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

Sample: NSW-6(4')	Lab ID: 603	79264015	Collected: 09/01/2	1 14:00	Received: 09	/03/21 09:00 N	latrix: Solid	
Results reported on a "dry weight	" basis and are adj	usted for per	rcent moisture, sa	mple s	ize and any dilut	ions.		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
3260B MSV 5035A Low Level	Analytical Meth	nod: EPA 826	0B Preparation Me	thod: E	PA 5035A/5030B			
	Pace Analytica	l Services - K	ansas City					
Benzene	ND	ug/kg	6.3	1	00/03/21 15:07	09/03/21 23:05	71_//3_2	
Ethylbenzene	ND ND	ug/kg ug/kg	6.3	1		09/03/21 23:05		
Toluene	ND ND		6.3	1		09/03/21 23:05		
		ug/kg		1		09/03/21 23:05		
Xylene (Total) <b>Surrogates</b>	ND	ug/kg	19.0	1	09/03/21 13.07	09/03/21 23.03	1330-20-7	
Toluene-d8 (S)	110	%	80-120	1	09/03/21 15:07	09/03/21 23:05	2037-26-5	
4-Bromofluorobenzene (S)	104	%	83-119	1		09/03/21 23:05		
,2-Dichlorobenzene-d4 (S)	99	%	80-120	1		09/03/21 23:05		
,2-Dichiorobenzene-d4 (3)	33	76	00-120	'	09/03/21 13.07	09/03/21 23.03	2199-09-1	
Percent Moisture	Analytical Meth	nod: ASTM D2	2974					
	Pace Analytica	l Services - K	ansas City					
Percent Moisture	11.9	%	0.50	1		09/03/21 14:50		
9056 IC Anions	Analytical Meth	od: EPA 905	6 Preparation Meth	od: FE	ν <u>Δ 9056</u>			
7030 IC AIIIOIIS	Pace Analytica			iou. Li	A 9030			
	Face Analytica	i Services - K	arisas City					
Chloride	ND	mg/kg	111	10	09/04/21 08:59	09/04/21 17:33	16887-00-6	
. ,	Lab ID: 603 " basis and are adj		Collected: 09/01/2				latrix: Solid	
. ,							latrix: Solid	Qua
Results reported on a "dry weight Parameters	Results	Units	Report Limit	mple s	Prepared	ions.		Qua
Results reported on a "dry weight Parameters	Results Analytical Meth	Units  Hod: EPA 801	Report Limit  Begin and Tenant	mple s	Prepared	ions.		Qua
Results reported on a "dry weight Parameters	Results	Units  Hod: EPA 801	Report Limit  Begin and Tenant	mple s	Prepared	ions.		Qua
Results reported on a "dry weight Parameters  B015B Diesel Range Organics	Results Analytical Meth	Units  Hod: EPA 8018  I Services - K	Report Limit  Begin and Tenant	mple s	Prepared	Analyzed		Qua
Parameters  B015B Diesel Range Organics  FPH-DRO (C10-C28)	Results  Analytical Methors Pace Analytica	Units  Od: EPA 801! I Services - K  mg/kg	Report Limit  Report Limit  5B Preparation Me  Sansas City	DF thod: E	Prepared PA 3546 09/03/21 13:58	Analyzed 09/06/21 11:53		Qua
Parameters  B015B Diesel Range Organics  TPH-DRO (C10-C28)  TPH-ORO (C28-C35)	Results  Analytical Methodology Pace Analytica	Units  Hod: EPA 8018  I Services - K	Report Limit  5B Preparation Me  Cansas City  10.9	mple s  DF  thod: E	Prepared PA 3546	Analyzed 09/06/21 11:53		Qua
Results reported on a "dry weight Parameters  8015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates	Results  Analytical Methodology Pace Analytica	Units  Od: EPA 801! I Services - K  mg/kg	Report Limit  5B Preparation Me  Cansas City  10.9	mple s  DF  thod: E	Prepared PA 3546  09/03/21 13:58 09/03/21 13:58	Analyzed 09/06/21 11:53	CAS No.	Qua
Results reported on a "dry weight Parameters  8015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S)	Results  Analytical Meth Pace Analytica  ND ND	Units  Od: EPA 801: I Services - K  mg/kg  mg/kg	Report Limit  5B Preparation Me  Cansas City  10.9  10.9	mple s  DF  thod: E	Prepared  PA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58	Analyzed  09/06/21 11:53 09/06/21 11:53	CAS No. 646-31-1	Qua
Parameters  Bo15B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)	Analytical Methodology Pace Analytical ND ND 71 76	Units  Units  nod: EPA 801: I Services - K  mg/kg  mg/kg  %  %	Report Limit  5B Preparation Me  Cansas City  10.9  10.9  31-152  46-130	mple s  DF  thod: E	Prepared  Prepared  PA 3546  09/03/21 13:58  09/03/21 13:58  09/03/21 13:58	O9/06/21 11:53 09/06/21 11:53	CAS No. 646-31-1	Qua
Parameters  B015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) D-Terphenyl (S)	Analytical Methodology  Analytical Methodology  Analytical Methodology  Analytical Methodology  Analytical Methodology  Analytical Methodology	Units  Od: EPA 801: I Services - K  mg/kg  mg/kg  %  %  nod: EPA 801:	Report Limit  SB Preparation Me  Cansas City  10.9  10.9  31-152  46-130  5B Preparation Me	mple s  DF  thod: E	Prepared  Prepared  PA 3546  09/03/21 13:58  09/03/21 13:58  09/03/21 13:58	O9/06/21 11:53 09/06/21 11:53	CAS No. 646-31-1	Qua
Parameters  Bo15B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)	Analytical Methodology Pace Analytical ND ND 71 76	Units  Od: EPA 801: I Services - K  mg/kg  mg/kg  %  %  nod: EPA 801:	Report Limit  SB Preparation Me  Cansas City  10.9  10.9  31-152  46-130  5B Preparation Me	mple s  DF  thod: E	Prepared  Prepared  PA 3546  09/03/21 13:58  09/03/21 13:58  09/03/21 13:58	O9/06/21 11:53 09/06/21 11:53	CAS No. 646-31-1	Qua
Results reported on a "dry weight Parameters  B015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) D-Terphenyl (S)  Gasoline Range Organics	Analytical Methodology  Analytical Methodology  Analytical Methodology  ND  ND  71  76  Analytical Methodology  Analytical Methodology  Pace Analytical	usted for per Units nod: EPA 8019 I Services - K mg/kg mg/kg % % nod: EPA 8019 I Services - K	Report Limit  5B Preparation Me  Cansas City  10.9  10.9  31-152  46-130  5B Preparation Me  Cansas City	mple s  DF  thod: E	Prepared  Prepared  PA 3546  09/03/21 13:58  09/03/21 13:58  09/03/21 13:58	09/06/21 11:53 09/06/21 11:53 09/06/21 11:53 09/06/21 11:53	CAS No. 646-31-1	Qua
Results reported on a "dry weight Parameters  8015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)  Gasoline Range Organics  FPH-GRO	Analytical Methodology  Analytical Methodology  Analytical Methodology  ND  ND  71  76  Analytical Methodology  Analytical Methodology  Pace Analytical	Units  Od: EPA 801: I Services - K  mg/kg  mg/kg  %  %  nod: EPA 801:	Report Limit  5B Preparation Me  Cansas City  10.9  10.9  31-152  46-130  5B Preparation Me  Cansas City	mple s  DF  thod: E	Prepared  PA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B	09/06/21 11:53 09/06/21 11:53 09/06/21 11:53 09/06/21 11:53	CAS No. 646-31-1	Qua
Results reported on a "dry weight Parameters  8015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)  Gasoline Range Organics  FPH-GRO Surrogates	Analytical Methodology  Analytical Methodology  Analytical Methodology  ND  ND  71  76  Analytical Methodology  Analytical Methodology  Pace Analytical	usted for per Units nod: EPA 8019 I Services - K mg/kg mg/kg % % nod: EPA 8019 I Services - K	Report Limit  5B Preparation Me  Cansas City  10.9  10.9  31-152  46-130  5B Preparation Me  Cansas City	mple s  DF  thod: E	Prepared  PA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B  09/03/21 15:07	09/06/21 11:53 09/06/21 11:53 09/06/21 11:53 09/06/21 11:53	CAS No. 646-31-1 92-94-4	Qua
Results reported on a "dry weight Parameters  8015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates 1-Tetracosane (S) 1-Tetracosane (S) 1-Terphenyl (S)  Gasoline Range Organics  FPH-GRO Surrogates 1-Bromofluorobenzene (S)	Analytical Methodology Pace Analytical Methodology ND ND 71 76 Analytical Methodology Pace Analytical Methodology Pace Analytical Methodology ND 93	usted for per Units  nod: EPA 8019 I Services - K mg/kg mg/kg % nod: EPA 8019 I Services - K mg/kg	Report Limit  SB Preparation Me  Sansas City  10.9  10.9  31-152  46-130  SB Preparation Me  Sansas City  12.5  63-121	mple s  DF  thod: E	Prepared  PA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B  09/03/21 15:07	09/06/21 11:53 09/06/21 11:53 09/06/21 11:53 09/06/21 11:53 09/06/21 11:53	CAS No. 646-31-1 92-94-4	Qua
Results reported on a "dry weight Parameters  B015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)  Gasoline Range Organics  TPH-GRO Surrogates 4-Bromofluorobenzene (S)	Results  Analytical Methodology Pace Analytical ND ND 71 76 Analytical Methodology Pace Analytical ND 93 Analytical Methodology	usted for per Units  nod: EPA 801: I Services - K mg/kg mg/kg % nod: EPA 801: I Services - K mg/kg %	Report Limit  SB Preparation Mediansas City  10.9 10.9 31-152 46-130 SB Preparation Mediansas City  12.5 63-121  OB Preparation Mediansas Mediansas City	mple s  DF  thod: E	Prepared  PA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B  09/03/21 15:07	09/06/21 11:53 09/06/21 11:53 09/06/21 11:53 09/06/21 11:53 09/06/21 11:53	CAS No. 646-31-1 92-94-4	Qua
Results reported on a "dry weight Parameters  B015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)  Gasoline Range Organics  TPH-GRO Surrogates 4-Bromofluorobenzene (S)	Analytical Methodology Pace Analytical Methodology ND ND 71 76 Analytical Methodology Pace Analytical Methodology Pace Analytical Methodology ND 93	usted for per Units  nod: EPA 801: I Services - K mg/kg mg/kg % nod: EPA 801: I Services - K mg/kg %	Report Limit  SB Preparation Mediansas City  10.9 10.9 31-152 46-130 SB Preparation Mediansas City  12.5 63-121  OB Preparation Mediansas Mediansas City	mple s  DF  thod: E	Prepared  PA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B  09/03/21 15:07	09/06/21 11:53 09/06/21 11:53 09/06/21 11:53 09/06/21 11:53 09/06/21 11:53	CAS No. 646-31-1 92-94-4	Qua
Results reported on a "dry weight Parameters  8015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates h-Tetracosane (S) b-Terphenyl (S)  Gasoline Range Organics  FPH-GRO Surrogates h-Bromofluorobenzene (S)  8260B MSV 5035A Low Level	Results  Analytical Methodology Pace Analytical ND ND 71 76 Analytical Methodology Pace Analytical ND 93 Analytical Methodology	usted for per Units  nod: EPA 801: I Services - K mg/kg mg/kg % nod: EPA 801: I Services - K mg/kg %	Report Limit  SB Preparation Mediansas City  10.9 10.9 31-152 46-130 SB Preparation Mediansas City  12.5 63-121  OB Preparation Mediansas Mediansas City	mple s  DF  thod: E	Prepared  Prepared  PA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B  09/03/21 15:07 09/03/21 15:07	09/06/21 11:53 09/06/21 11:53 09/06/21 11:53 09/06/21 11:53 09/06/21 11:53	CAS No. 646-31-1 92-94-4	Qua
Results reported on a "dry weight Parameters  8015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates h-Tetracosane (S) b-Terphenyl (S)  Gasoline Range Organics  FPH-GRO Surrogates h-Bromofluorobenzene (S)  8260B MSV 5035A Low Level	Results  Analytical Meth Pace Analytical ND 71 76 Analytical Meth Pace Analytical ND 93 Analytical Meth Pace Analytical	usted for per Units  nod: EPA 801: I Services - K mg/kg mg/kg % nod: EPA 801: I Services - K mg/kg % I Services - K	Report Limit  Report Limit  5B Preparation Me  Cansas City  10.9  10.9  31-152  46-130  5B Preparation Me  Cansas City  12.5  63-121  0B Preparation Me  Cansas City	mple s  DF  thod: E  1  1  thod: E  1  thod: E	Prepared Prepared  PA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B  09/03/21 15:07  1PA 5035A/5030B  09/03/21 15:07	09/06/21 11:53 09/06/21 11:53 09/06/21 11:53 09/06/21 11:53 09/06/21 11:53	CAS No. 646-31-1 92-94-4 460-00-4	Qua
Results reported on a "dry weight Parameters  8015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) n-Terphenyl (S) Gasoline Range Organics  FPH-GRO Surrogates I-Bromofluorobenzene (S) 8260B MSV 5035A Low Level  Genzene Ethylbenzene	Analytical Meth Pace Analytical MD  93  Analytical Meth Pace Analytical Meth Pace Analytical Meth Pace Analytical Meth Pace Analytical M	usted for per Units  nod: EPA 801! I Services - K mg/kg mg/kg % nod: EPA 801! I Services - K mg/kg % I Services - K ug/kg	Report Limit  Report Limit  5B Preparation Me  Cansas City  10.9  10.9  31-152  46-130  5B Preparation Me  Cansas City  12.5  63-121  0B Preparation Me  Cansas City  6.3	mple s  DF  thod: E  1  1  thod: E  1  thod: E	Prepared Prepared  PA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B  09/03/21 15:07 09/03/21 15:07 09/03/21 15:07 09/03/21 15:07	09/06/21 11:53 09/06/21 11:53 09/06/21 11:53 09/06/21 11:53 09/06/21 11:53 09/04/21 01:44 09/04/21 01:44	CAS No.  646-31-1 92-94-4  460-00-4  71-43-2 100-41-4	Qua
Results reported on a "dry weight Parameters  B015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)  Gasoline Range Organics  FPH-GRO Surrogates 4-Bromofluorobenzene (S) B260B MSV 5035A Low Level  Genzene Ethylbenzene Foluene	Results  Analytical Meth Pace Analytical ND ND 71 76 Analytical Meth Pace Analytical ND 93 Analytical Meth Pace Analytical ND 93 Analytical Meth Pace Analytical ND ND ND	usted for per Units  nod: EPA 801! I Services - K mg/kg mg/kg % nod: EPA 801! I Services - K mg/kg % I Services - K ug/kg ug/kg	Report Limit  Report Limit  5B Preparation Me  Sansas City  10.9  10.9  31-152  46-130  5B Preparation Me  Sansas City  12.5  63-121  0B Preparation Me  Sansas City  6.3  6.3	thod: E  thod: E  thod: E  thod: E	Prepared  Prepared  PA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B  09/03/21 15:07 09/03/21 15:07 09/03/21 15:07 09/03/21 15:07 09/03/21 15:07	09/06/21 11:53 09/06/21 11:53 09/06/21 11:53 09/06/21 11:53 09/06/21 11:53 09/04/21 01:44 09/04/21 01:44	CAS No.  646-31-1 92-94-4  71-43-2 100-41-4 108-88-3	Qua
Sample: NSW-7(4')  Results reported on a "dry weight Parameters  8015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)  Gasoline Range Organics  TPH-GRO Surrogates 4-Bromofluorobenzene (S)  8260B MSV 5035A Low Level  Benzene Ethylbenzene Toluene Xylene (Total) Surrogates	Results  Analytical Meth Pace Analytical ND ND 71 76 Analytical Meth Pace Analytical ND ND 93 Analytical Meth Pace Analytical ND	usted for per Units  nod: EPA 801! I Services - K mg/kg mg/kg % nod: EPA 801! I Services - K mg/kg % l Services - K ug/kg ug/kg ug/kg	Report Limit  Report Limit  5B Preparation Me  Sansas City  10.9  31-152  46-130  5B Preparation Me  Sansas City  12.5  63-121  0B Preparation Me  Sansas City  6.3  6.3  6.3	thod: E  thod: E  thod: E  thod: E	Prepared  Prepared  PA 3546  09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 PA 5035A/5030B  09/03/21 15:07 09/03/21 15:07 09/03/21 15:07 09/03/21 15:07 09/03/21 15:07	09/06/21 11:53 09/06/21 11:53 09/06/21 11:53 09/06/21 11:53 09/06/21 11:53 09/04/21 01:44 09/04/21 01:44	CAS No.  646-31-1 92-94-4  71-43-2 100-41-4 108-88-3	Qua

# **REPORT OF LABORATORY ANALYSIS**

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Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

	Lab ID: 603		Collected: 09/01/2				Matrix: Solid	
Results reported on a "dry weight	-	•		-	•		CACNO	Oue
Parameters	Results —	Units	Report Limit	DF	Prepared	Analyzed —	CAS No.	Qua
3260B MSV 5035A Low Level	Analytical Meth	nod: EPA 82	60B Preparation Me	thod: E	PA 5035A/5030E	3		
	Pace Analytica	l Services -	Kansas City					
Surrogates								
4-Bromofluorobenzene (S)	103	%	83-119	1	09/03/21 15:07	09/03/21 23:25	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	80-120	1	09/03/21 15:07	09/03/21 23:25	2199-69-1	
Percent Moisture	Analytical Meth	nod: ASTM I	D2974					
	Pace Analytica	l Services -	Kansas City					
Percent Moisture	12.5	%	0.50	1		09/03/21 14:51		
9056 IC Anions	Analytical Meth	nod: EPA 90	56 Preparation Meth	nod: EF	PA 9056			
	Pace Analytica							
Chloride	163	mg/kg	114	10	09/04/21 08:59	09/04/21 17:44	16887-00-6	
		0 0						
			0 11			. (22/2/ 22 22 .		
Sample: NSW-8(4')	Lab ID: 603		Collected: 09/01/2				Matrix: Solid	
Results reported on a "dry weigh	t" basis and are adj	usted for p		mple s	size and any dilu	tions.		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
2015B Diesel Pange Organics	Analytical Meth	nod: EPA 80	15B Preparation Me	thod: F				
8015B Diesel Range Organics	•		15B Preparation Me	thod: E	EPA 3546			
	Pace Analytica	l Services -	Kansas City			00/00/04 40 04		
ГРН-DRO (C10-C28)	Pace Analytica ND	l Services - mg/kg	Kansas City	1	09/03/21 13:58	09/06/21 12:01		
ГРН-DRO (С10-С28) ГРН-ORO (С28-С35)	Pace Analytica	l Services -	Kansas City		09/03/21 13:58	09/06/21 12:01 09/06/21 12:01		
TPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates	Pace Analytica ND ND	l Services - mg/kg mg/kg	Kansas City 10.6 10.6	1 1	09/03/21 13:58 09/03/21 13:58	09/06/21 12:01	646-31-1	
TPH-DRO (C10-C28) TPH-ORO (C28-C35)  Surrogates I-Tetracosane (S)	Pace Analytica ND ND 72	I Services - mg/kg mg/kg %	10.6 10.6 31-152	1 1	09/03/21 13:58 09/03/21 13:58 09/03/21 13:58	09/06/21 12:01 09/06/21 12:01		
TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)	Pace Analytica ND ND 72 77	I Services - mg/kg mg/kg % %	10.6 10.6 31-152 46-130	1 1 1	09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58	09/06/21 12:01 09/06/21 12:01 09/06/21 12:01		
FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)	Pace Analytica ND ND 72 77 Analytical Meth	I Services - mg/kg mg/kg % % nod: EPA 80	10.6 10.6 31-152 46-130 15B Preparation Me	1 1 1	09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58	09/06/21 12:01 09/06/21 12:01 09/06/21 12:01		
TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)	Pace Analytica ND ND 72 77	I Services - mg/kg mg/kg % % nod: EPA 80	10.6 10.6 31-152 46-130 15B Preparation Me	1 1 1	09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58	09/06/21 12:01 09/06/21 12:01 09/06/21 12:01		
FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S) Gasoline Range Organics	Pace Analytica ND ND 72 77 Analytical Meth	I Services - mg/kg mg/kg % nod: EPA 80	10.6 10.6 31-152 46-130 15B Preparation Me Kansas City	1 1 1 1 ethod: E	09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 EPA 5035A/5030E	09/06/21 12:01 09/06/21 12:01 09/06/21 12:01		
TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S) Gasoline Range Organics TPH-GRO	Pace Analytica ND ND 72 77 Analytical Meth	I Services - mg/kg mg/kg % % nod: EPA 80	10.6 10.6 31-152 46-130 15B Preparation Me	1 1 1	09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 EPA 5035A/5030E	09/06/21 12:01 09/06/21 12:01 09/06/21 12:01		
TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S) Gasoline Range Organics TPH-GRO Surrogates	Pace Analytica ND ND 72 77 Analytical Meth	I Services - mg/kg mg/kg % nod: EPA 80	10.6 10.6 31-152 46-130 15B Preparation Me Kansas City	1 1 1 1 ethod: E	09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 EPA 5035A/5030E	09/06/21 12:01 09/06/21 12:01 09/06/21 12:01	92-94-4	
TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S) Gasoline Range Organics TPH-GRO Surrogates 4-Bromofluorobenzene (S)	Pace Analytica ND ND 72 77 Analytical Meth Pace Analytica ND	I Services - mg/kg mg/kg % nod: EPA 80 I Services - mg/kg %	10.6 10.6 31-152 46-130 15B Preparation Me Kansas City	1 1 1 1 ethod: E	09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 EPA 5035A/5030E 09/03/21 15:07	09/06/21 12:01 09/06/21 12:01 09/06/21 12:01 3 09/04/21 01:59 09/04/21 01:59	92-94-4	
FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S) Gasoline Range Organics FPH-GRO Surrogates 1-Bromofluorobenzene (S)	Pace Analytica ND ND 72 77 Analytical Meth Pace Analytica ND	I Services - mg/kg mg/kg % hod: EPA 80 I Services - mg/kg %	10.6 10.6 31-152 46-130 15B Preparation Me Kansas City 11.7 63-121	1 1 1 1 ethod: E	09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 EPA 5035A/5030E 09/03/21 15:07	09/06/21 12:01 09/06/21 12:01 09/06/21 12:01 3 09/04/21 01:59 09/04/21 01:59	92-94-4	
TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S) Gasoline Range Organics TPH-GRO Surrogates 4-Bromofluorobenzene (S) 3260B MSV 5035A Low Level	Pace Analytical ND ND 72 77 Analytical Meth Pace Analytical ND 95 Analytical Meth	I Services - mg/kg mg/kg % hod: EPA 80 I Services - mg/kg %	10.6 10.6 31-152 46-130 15B Preparation Me Kansas City 11.7 63-121	1 1 1 1 ethod: E	09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 EPA 5035A/5030E 09/03/21 15:07 09/03/21 15:07 EPA 5035A/5030E	09/06/21 12:01 09/06/21 12:01 09/06/21 12:01 3 09/04/21 01:59 09/04/21 01:59	92-94-4	
FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S) Gasoline Range Organics FPH-GRO Surrogates I-Bromofluorobenzene (S) 3260B MSV 5035A Low Level Genzene	Pace Analytical ND ND 72 77 Analytical Meth Pace Analytical ND 95 Analytical Meth Pace Analytical	mg/kg mg/kg % hod: EPA 80 I Services - mg/kg %	Kansas City  10.6 10.6 31-152 46-130 15B Preparation Me Kansas City  11.7 63-121 60B Preparation Me Kansas City	1 1 1 2 2 2 3 4 4 1 1 2 2 3 4 4 4 5 6 4 6 7 6 7 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 EPA 5035A/5030E 09/03/21 15:07 09/03/21 15:07 EPA 5035A/5030E	09/06/21 12:01 09/06/21 12:01 09/06/21 12:01 3 09/04/21 01:59 09/04/21 01:59	92-94-4 460-00-4 71-43-2	
FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S) Gasoline Range Organics FPH-GRO Surrogates 4-Bromofluorobenzene (S) 3260B MSV 5035A Low Level Genzene Ethylbenzene	Pace Analytical ND ND 72 77 Analytical Meth Pace Analytical ND 95 Analytical Meth Pace Analytical ND ND ND	I Services - mg/kg mg/kg % nod: EPA 80 I Services - mg/kg % nod: EPA 82 I Services - ug/kg ug/kg	10.6 10.6 31-152 46-130 15B Preparation Me Kansas City 11.7 63-121 60B Preparation Me Kansas City 5.8 5.8	1 1 1 2 2 4 1 1 2 2 4 4 6 6 7 1 1 1	09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 EPA 5035A/5030E 09/03/21 15:07 09/03/21 15:07 EPA 5035A/5030E	09/06/21 12:01 09/06/21 12:01 09/06/21 12:01 3 09/04/21 01:59 09/04/21 01:59 3 09/03/21 23:45 09/03/21 23:45	92-94-4 460-00-4 71-43-2 100-41-4	
TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S) Gasoline Range Organics  TPH-GRO Surrogates 4-Bromofluorobenzene (S) 3260B MSV 5035A Low Level  Benzene Ethylbenzene Toluene	Pace Analytical ND ND 72 77 Analytical Meth Pace Analytical ND 95 Analytical Meth Pace Analytical ND ND ND	I Services - mg/kg mg/kg % nod: EPA 80 I Services - mg/kg % nod: EPA 82 I Services - ug/kg ug/kg ug/kg	Kansas City  10.6 10.6 31-152 46-130 15B Preparation Me Kansas City 11.7 63-121 60B Preparation Me Kansas City 5.8	1 1 1 1 ethod: E 1 1 ethod: E	09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 EPA 5035A/5030E 09/03/21 15:07 09/03/21 15:07 09/03/21 15:07 09/03/21 15:07 09/03/21 15:07	09/06/21 12:01 09/06/21 12:01 09/06/21 12:01 3 09/04/21 01:59 09/04/21 01:59 3	92-94-4 460-00-4 71-43-2 100-41-4 108-88-3	
IPH-DRO (C10-C28) IPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S) Gasoline Range Organics IPH-GRO Surrogates 4-Bromofluorobenzene (S) 3260B MSV 5035A Low Level Genzene Ethylbenzene Toluene Kylene (Total)	Pace Analytical ND ND 72 77 Analytical Meth Pace Analytical ND 95 Analytical Meth Pace Analytical ND ND ND ND	I Services - mg/kg mg/kg % nod: EPA 80 I Services - mg/kg % nod: EPA 82 I Services - ug/kg ug/kg	10.6 10.6 31-152 46-130 15B Preparation Me Kansas City 11.7 63-121 60B Preparation Me Kansas City 5.8 5.8	1 1 1 1 ethod: E 1 1 ethod: E	09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 EPA 5035A/5030E 09/03/21 15:07 09/03/21 15:07 09/03/21 15:07 09/03/21 15:07 09/03/21 15:07	09/06/21 12:01 09/06/21 12:01 09/06/21 12:01 3 09/04/21 01:59 09/04/21 01:59 3 09/03/21 23:45 09/03/21 23:45 09/03/21 23:45	92-94-4 460-00-4 71-43-2 100-41-4 108-88-3	
IPH-DRO (C10-C28) IPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S) Gasoline Range Organics IPH-GRO Surrogates 4-Bromofluorobenzene (S) 3260B MSV 5035A Low Level Genzene Ethylbenzene Toluene Kylene (Total) Surrogates	Pace Analytical ND ND 72 77 Analytical Meth Pace Analytical ND 95 Analytical Meth Pace Analytical ND ND ND ND	I Services - mg/kg mg/kg % nod: EPA 80 I Services - mg/kg % nod: EPA 82 I Services - ug/kg ug/kg ug/kg	10.6 10.6 31-152 46-130 15B Preparation Me Kansas City 11.7 63-121 60B Preparation Me Kansas City 5.8 5.8	1 1 1 1 ethod: E 1 1 ethod: E	09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 EPA 5035A/5030E 09/03/21 15:07 09/03/21 15:07 09/03/21 15:07 09/03/21 15:07 09/03/21 15:07	09/06/21 12:01 09/06/21 12:01 09/06/21 12:01 3 09/04/21 01:59 09/04/21 01:59 3 09/03/21 23:45 09/03/21 23:45 09/03/21 23:45	92-94-4 460-00-4 71-43-2 100-41-4 108-88-3 1330-20-7	
BO15B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)  Gasoline Range Organics  TPH-GRO Surrogates 4-Bromofluorobenzene (S) Benzene Ethylbenzene Toluene Kylene (Total) Surrogates Toluene-d8 (S) 4-Bromofluorobenzene (S) 4-Bromofluorobenzene (S)	Pace Analytical ND ND 72 77 Analytical Meth Pace Analytical ND 95 Analytical Meth Pace Analytical ND ND ND ND ND ND ND	I Services - mg/kg mg/kg % nod: EPA 80 I Services - mg/kg % nod: EPA 82 I Services - ug/kg ug/kg ug/kg ug/kg	10.6 10.6 31-152 46-130 15B Preparation Me Kansas City 11.7 63-121 60B Preparation Me Kansas City 5.8 5.8 5.8	1 1 1 1 ethod: E 1 1 ethod: E	09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 13:58 09/03/21 15:07 09/03/21 15:07 09/03/21 15:07 09/03/21 15:07 09/03/21 15:07 09/03/21 15:07 09/03/21 15:07	09/06/21 12:01 09/06/21 12:01 09/06/21 12:01 3 09/04/21 01:59 09/04/21 01:59 09/03/21 23:45 09/03/21 23:45 09/03/21 23:45 09/03/21 23:45	92-94-4 460-00-4 71-43-2 100-41-4 108-88-3 1330-20-7 2037-26-5	

# **REPORT OF LABORATORY ANALYSIS**

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Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

Sample: NSW-8(4') Lab ID: 60379264017 Collected: 09/01/21 14:00 Received: 09/03/21 09:00 Matrix: Solid Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions. **Parameters** Results Units Report Limit Prepared Analyzed CAS No. Qual **Percent Moisture** Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City Percent Moisture 9.2 0.50 1 09/03/21 14:51 9056 IC Anions Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City Chloride ND 110 09/04/21 08:59 09/04/21 17:55 16887-00-6 mg/kg 10 Sample: ESW-1(4') Lab ID: 60379264018 Collected: 09/01/21 14:00 Received: 09/03/21 09:00 Matrix: Solid Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions. **Parameters** Results Units Report Limit DF Prepared Analyzed CAS No. Qual Analytical Method: EPA 8015B Preparation Method: EPA 3546 8015B Diesel Range Organics Pace Analytical Services - Kansas City TPH-DRO (C10-C28) ND 09/03/21 13:58 09/06/21 12:09 mg/kg 11.2 1 TPH-ORO (C28-C35) ND 09/03/21 13:58 09/06/21 12:09 mg/kg 11.2 1 Surrogates n-Tetracosane (S) 71 % 31-152 1 09/03/21 13:58 09/06/21 12:09 646-31-1 p-Terphenyl (S) 76 % 46-130 1 09/03/21 13:58 09/06/21 12:09 92-94-4 **Gasoline Range Organics** Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City TPH-GRO ND mg/kg 12.3 09/03/21 15:07 09/04/21 02:14 Surrogates 4-Bromofluorobenzene (S) 95 63-121 09/03/21 15:07 09/04/21 02:14 460-00-4 Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B 8260B MSV 5035A Low Level Pace Analytical Services - Kansas City ND Benzene ug/kg 6.1 1 09/03/21 15:07 09/04/21 00:05 71-43-2 Ethylbenzene ND ug/kg 6.1 09/03/21 15:07 09/04/21 00:05 100-41-4 Toluene ND ug/kg 6.1 09/03/21 15:07 09/04/21 00:05 108-88-3 Xylene (Total) ND 18.4 09/03/21 15:07 09/04/21 00:05 1330-20-7 ug/kg Surrogates % 09/03/21 15:07 09/04/21 00:05 2037-26-5 Toluene-d8 (S) 110 80-120 1 4-Bromofluorobenzene (S) 104 % 83-119 1 09/03/21 15:07 09/04/21 00:05 460-00-4 1,2-Dichlorobenzene-d4 (S) 99 % 80-120 1 09/03/21 15:07 09/04/21 00:05 2199-69-1 Analytical Method: ASTM D2974 **Percent Moisture** Pace Analytical Services - Kansas City Percent Moisture 0.50 1 11.1 09/03/21 14:51 Analytical Method: EPA 9056 Preparation Method: EPA 9056 9056 IC Anions Pace Analytical Services - Kansas City ND Chloride mg/kg 111 10 09/04/21 08:59 09/04/21 18:06 16887-00-6

#### REPORT OF LABORATORY ANALYSIS

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Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

Sample: ESW-2(4')	Lab ID: 603	79264019	Collected: 09/01/2	21 14:0	0 Received: 09	0/03/21 09:00 N	latrix: Solid	
Results reported on a "dry weight	" basis and are ad	iusted for pe	ercent moisture, sa	imple s	size and any dilu	tions.		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
015B Diesel Range Organics	Analytical Met	nod: EPA 80°	15B Preparation Me	ethod: E	EPA 3546			
	Pace Analytica	al Services - I	Kansas City					
PH-DRO (C10-C28)	ND	mg/kg	10.9	1	09/03/21 13:58	09/06/21 12:17		
PH-ORO (C28-C35) Surrogates	ND	mg/kg	10.9	1	09/03/21 13:58	09/06/21 12:17		
-Tetracosane (S)	69	%	31-152	1	09/03/21 13:58	09/06/21 12:17	646-31-1	
-Terphenyl (S)	71	%	46-130	1	09/03/21 13:58	09/06/21 12:17	92-94-4	
Sasoline Range Organics	Analytical Met Pace Analytica		15B Preparation Me Kansas City	ethod: E	EPA 5035A/5030B			
ГРН-GRO Surrogates	ND	mg/kg	12.3	1	09/03/21 15:07	09/04/21 02:29		
I-Bromofluorobenzene (S)	92	%	63-121	1	09/03/21 15:07	09/04/21 02:29	460-00-4	
2260B MSV 5035A Low Level	Analytical Met Pace Analytica		60B Preparation Me Kansas City	ethod: E	EPA 5035A/5030B			
Benzene	ND	ug/kg	6.1	1	09/03/21 15:07	09/04/21 00:25	71-43-2	
Ethylbenzene	ND	ug/kg	6.1	1	09/03/21 15:07	09/04/21 00:25	100-41-4	
oluene	ND	ug/kg	6.1	1	09/03/21 15:07	09/04/21 00:25	108-88-3	
(ylene (Total) <b>Surrogates</b>	ND	ug/kg	18.4	1	09/03/21 15:07	09/04/21 00:25	1330-20-7	
Toluene-d8 (S)	109	%	80-120	1		09/04/21 00:25		
-Bromofluorobenzene (S)	105	%	83-119	1		09/04/21 00:25		
,2-Dichlorobenzene-d4 (S)	98	%	80-120	1	09/03/21 15:07	09/04/21 00:25	2199-69-1	
Percent Moisture	Analytical Met	hod: ASTM D	2974					
	Pace Analytica	l Services - I	Kansas City					
Percent Moisture	12.3	%	0.50	1		09/03/21 14:51		
056 IC Anions	Analytical Met	hod: EPA 90	56 Preparation Met	hod: EF	PA 9056			
	Pace Analytica	l Services - I	Kansas City					
Chloride	426	mg/kg	111	10	09/04/21 08:59	09/04/21 18:17	16887-00-6	
Somple: ESW 2/4"	Lab ID: 603	70264020	Collected: 09/01/2	01 14:0	O Bookingt 00	1/02/21 00:00 N	Matrix: Solid	
Sample: ESW-3(4') Results reported on a "dry weight							iatrix. Soliu	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8015B Diesel Range Organics	Analytical Met Pace Analytica		15B Preparation Me Kansas City	ethod: E	EPA 3546			
PH-DRO (C10-C28)	ND	mg/kg	10.7	1	09/03/21 13:58	09/06/21 12:25		
PH-ORO (C28-C35)	ND	mg/kg	10.7	1	09/03/21 13:58	09/06/21 12:25		
Surrogates								
n-Tetracosane (S)	74	%	31-152	1		09/06/21 12:25		
o-Terphenyl (S)	77	%	46-130	1	09/03/21 13:58	09/06/21 12:25	92-94-4	

# **REPORT OF LABORATORY ANALYSIS**

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Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

TPH-GRO Surrogates 4-Bromofluorobenzene (S) 8260B MSV 5035A Low Level	Analytical Met Pace Analytica ND 93	Units hod: EPA 8015 al Services - Ka mg/kg % hod: EPA 8260	Report Limit  5B Preparation Me ansas City  12.0  63-121  DB Preparation Me	DF ethod: E	Prepared EPA 5035A/5030B 09/03/21 15:07 09/03/21 15:07	Analyzed  09/04/21 02:44  09/04/21 02:44	CAS No. 460-00-4	Qual
PH-GRO Surrogates -Bromofluorobenzene (S) 260B MSV 5035A Low Level denzene sthylbenzene oluene (ylene (Total) Surrogates oluene-d8 (S)	Analytical Met Pace Analytica ND 93 Analytical Met Pace Analytica ND ND ND	hod: EPA 8015 al Services - Ka mg/kg % hod: EPA 8260 al Services - Ka ug/kg	5B Preparation Me ansas City 12.0 63-121 DB Preparation Me ansas City	thod: E	09/03/21 15:07	09/04/21 02:44		Qual
PPH-GRO Surrogates I-Bromofluorobenzene (S) Second MSV 5035A Low Level Benzene Ethylbenzene Toluene (ylene (Total) Surrogates Toluene-d8 (S)	Pace Analytica ND 93 Analytical Met Pace Analytica ND ND ND	al Services - Ka mg/kg % hod: EPA 8260 al Services - Ka ug/kg	12.0 63-121 DB Preparation Me ansas City	1	09/03/21 15:07 09/03/21 15:07		460-00-4	
Surrogates 4-Bromofluorobenzene (S) 8260B MSV 5035A Low Level Benzene Ethylbenzene Toluene Xylene (Total) Surrogates Toluene-d8 (S)	93 Analytical Met Pace Analytica ND ND ND	% hod: EPA 8260 al Services - Ka ug/kg	63-121 DB Preparation Me ansas City	1	09/03/21 15:07		460-00-4	
4-Bromofluorobenzene (S)  8260B MSV 5035A Low Level  Benzene Ethylbenzene Toluene Xylene (Total) Surrogates Toluene-d8 (S)	Analytical Met Pace Analytica ND ND ND	hod: EPA 8260 al Services - Ka ug/kg	DB Preparation Me ansas City			09/04/21 02:44	460-00-4	
Benzene Ethylbenzene Toluene Xylene (Total) <b>Surrogates</b> Toluene-d8 (S)	Pace Analytica ND ND ND	al Services - Ka ug/kg	ansas City	thod: E	EPA 5035A/5030B			
Ethylbenzene Toluene Xylene (Total) <b>Surrogates</b> Toluene-d8 (S)	ND ND		6.0					
Toluene Xylene (Total) <b>Surrogates</b> Toluene-d8 (S)	ND	ug/kg	-10	1	09/03/21 15:07	09/04/21 00:45	71-43-2	
Xylene (Total) <b>Surrogates</b> Toluene-d8 (S)			6.0	1	09/03/21 15:07	09/04/21 00:45	100-41-4	
Surrogates Toluene-d8 (S)	ND	ug/kg	6.0	1	09/03/21 15:07	09/04/21 00:45	108-88-3	
Toluene-d8 (S)	ND	ug/kg	18.0	1	09/03/21 15:07	09/04/21 00:45	1330-20-7	
1-Bromofluorobenzene (S)	107	%	80-120	1	09/03/21 15:07	09/04/21 00:45	2037-26-5	
4-Diomondobenzene (3)	104	%	83-119	1	09/03/21 15:07	09/04/21 00:45	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	80-120	1	09/03/21 15:07	09/04/21 00:45	2199-69-1	
Percent Moisture	Analytical Met Pace Analytica							
Percent Moisture	9.2	%	0.50	1		09/03/21 14:51		
	Analytical Met Pace Analytica		Preparation Methansas City	nod: EF	PA 9056			
Chloride	216	mg/kg	107	10	09/04/21 08:59	09/04/21 18:28	16887-00-6	
Sample: ESW-4(4')  Results reported on a "dry weight" bas  Parameters	Results	justed for per Units	Report Limit	mple s	Prepared		CAS No.	Qua
8015B Diesel Range Organics	Pace Analytical		B Preparation Me ansas City	etnoa: E	:PA 3546			
TPH-DRO (C10-C28)	ND	mg/kg	20.4	1	09/03/21 14:52	09/06/21 13:05		
TPH-ORO (C28-C35) <b>Surrogates</b>	ND	mg/kg	20.4	1	09/03/21 14:52	09/06/21 13:05		
n-Tetracosane (S)	74	%	31-152	1	09/03/21 14:52	09/06/21 13:05	646-31-1	
p-Terphenyl (S)	78	%	46-130	1	09/03/21 14:52	09/06/21 13:05	92-94-4	
Gasoline Range Organics	Analytical Met Pace Analytica		5B Preparation Me ansas City	thod: E	EPA 5035A/5030B			
TPH-GRO	ND	mg/kg	12.3	1	09/03/21 17:41	09/04/21 07:01		
Surrogates	93	%	63-121	1	09/03/21 17:41	09/04/21 07:01	460-00-4	

# **REPORT OF LABORATORY ANALYSIS**

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Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

Sample: ESW-4(4')	Lab ID: 603	79264021	Collected: 09/01/2	1 14:00	Received: 09	/03/21 09:00 N	fatrix: Solid	
Results reported on a "dry weight	t" basis and are adj	iusted for p	ercent moisture, sa	mple s	ize and any dilut	tions.		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
3260B MSV 5035A Low Level	Analytical Meth	hod: FPA 82	260B Preparation Me	thod: F	PA 5035A/5030B		•	
2005 MOT 0000A 20W 20VCI	Pace Analytica				. 7 ( 0 0 0 0 7 ( 0 0 0 0 0 2			
	•		•		00/00/04 45 07	00/04/04 04 00	74 40 0	
Benzene	ND	ug/kg	6.2	1		09/04/21 01:06	-	
Ethylbenzene	ND	ug/kg	6.2	1		09/04/21 01:06		
Foluene	ND	ug/kg	6.2	1		09/04/21 01:06		
(ylene (Total) Surrogates	ND	ug/kg	18.5	1	09/03/21 15:07	09/04/21 01:06	1330-20-7	
oluene-d8 (S)	109	%	80-120	1	09/03/21 15:07	09/04/21 01:06	2037-26-5	
-Bromofluorobenzene (S)	103	%	83-119	1	09/03/21 15:07	09/04/21 01:06	460-00-4	
,2-Dichlorobenzene-d4 (S)	99	%	80-120	1	09/03/21 15:07	09/04/21 01:06	2199-69-1	
Percent Moisture	Analytical Meth	hod: ASTM	D2974					
	Pace Analytica	al Services -	Kansas City					
Percent Moisture	12.2	%	0.50	1		09/03/21 15:59		
9056 IC Anions	Analytical Meth	hod: EPA 90	56 Preparation Meth	od: EP	A 9056			
	Pace Analytica	al Services -	Kansas City					
Chloride	ND	mg/kg	114	10	09/04/21 08:59	09/04/21 19:22	16887-00-6	M1
Results reported on a "dry weight	_	iusted for p		mple s	ize and any dilut	ions.	Matrix: Solid	
. ,							Matrix: Solid  CAS No.	Qua
Results reported on a "dry weight Parameters	Results	iusted for p	Report Limit	mple s	Prepared	ions.		Qua
Results reported on a "dry weight Parameters	Results Analytical Met	Units Hod: EPA 80	Report Limit  Report Limit  Preparation Me	mple s	Prepared	ions.		Qua
Results reported on a "dry weight Parameters  8015B Diesel Range Organics	Results  Analytical Methors  Pace Analytica	Units  Hod: EPA 80 al Services -	Report Limit  115B Preparation Me Kansas City	mple s  DF  thod: E	PA 3546	Analyzed		Qu
Parameters  1015B Diesel Range Organics  TPH-DRO (C10-C28)	Results  Analytical Methors Pace Analytica	Units  Hod: EPA 80  al Services -  mg/kg	Report Limit  115B Preparation Me Kansas City  11.2	mple s  DF  thod: E	PA 3546 09/03/21 14:52	Analyzed 09/06/21 13:29		Qui
PH-DRO (C10-C28) Persults reported on a "dry weight Parameters  PH-DRO (C10-C28) PH-ORO (C28-C35)	Results  Analytical Methors  Pace Analytica	Units  Hod: EPA 80 al Services -	Report Limit  115B Preparation Me Kansas City	mple s  DF  thod: E	PA 3546 09/03/21 14:52	Analyzed		Qua
Parameters  1015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35)  Surrogates	Results  Analytical Methodology Pace Analytica ND ND	Units  Hod: EPA 80  I Services -  mg/kg  mg/kg	Report Limit  115B Preparation Me Kansas City  11.2  11.2	mple s  DF  thod: E	PA 3546  09/03/21 14:52 09/03/21 14:52	Analyzed  09/06/21 13:29 09/06/21 13:29	CAS No.	Qua
Parameters  O15B Diesel Range Organics  PH-DRO (C10-C28) PH-ORO (C28-C35)  Surrogates -Tetracosane (S)	Results  Analytical Methodology Pace Analytica ND ND ND 137	Units  Hod: EPA 80  al Services -  mg/kg  mg/kg  %	Report Limit  115B Preparation Me Kansas City  11.2  11.2  31-152	mple s  DF  thod: E	PA 3546  09/03/21 14:52 09/03/21 14:52	O9/06/21 13:29 09/06/21 13:29 09/06/21 13:29	CAS No.	Qui
Parameters  1015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35)  Surrogates 1-Tetracosane (S)	Results  Analytical Methodology Pace Analytica ND ND	Units  Hod: EPA 80  I Services -  mg/kg  mg/kg	Report Limit  115B Preparation Me Kansas City  11.2  11.2	mple s  DF  thod: E	PA 3546  09/03/21 14:52 09/03/21 14:52	Analyzed  09/06/21 13:29 09/06/21 13:29	CAS No.	Qua
Parameters  Parameters  Parameters  Parameters  Parameters  PH-DRO (C10-C28) PH-ORO (C28-C35)  PH-ORO (S28-C35)	Analytical Methodology Pace Analytica ND ND 137 76	units  Units  Hod: EPA 80  al Services -  mg/kg  mg/kg  %  %	Report Limit  115B Preparation Me Kansas City  11.2  11.2  31-152	mple s  DF  thod: E	PRA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 09/03/21 14:52	O9/06/21 13:29 09/06/21 13:29 09/06/21 13:29	CAS No.	Qua
Parameters  8015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates 1-Tetracosane (S) 1-Terphenyl (S)	Analytical Methodology Pace Analytica ND ND 137 76	units  units  units  nod: EPA 80  sl Services -  mg/kg  mg/kg  %  %  hod: EPA 80	Report Limit  115B Preparation Me Kansas City  11.2  11.2  11.2  31-152  46-130  115B Preparation Me	mple s  DF  thod: E	PRA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 09/03/21 14:52	O9/06/21 13:29 09/06/21 13:29 09/06/21 13:29	CAS No.	Qua
Parameters  O15B Diesel Range Organics  PH-DRO (C10-C28) PH-ORO (C28-C35) Gurrogates P-Tetracosane (S) P-Terphenyl (S)  Gasoline Range Organics	Results  Analytical Methodology Pace Analytical ND ND 137 76  Analytical Methodology Analytical Methodology	units  un	Report Limit  Preparation Me Kansas City  11.2  11.2  11.2  31-152  46-130  Preparation Me Kansas City	mple s  DF  thod: E	PA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B	O9/06/21 13:29 09/06/21 13:29 09/06/21 13:29	CAS No.	Qui
Parameters  O15B Diesel Range Organics  PH-DRO (C10-C28) PH-ORO (C28-C35) Surrogates -Tetracosane (S) -Terphenyl (S)  Gasoline Range Organics	Analytical Methodology  Analytical Methodology  Analytical Methodology  Analytical Methodology  Analytical Methodology  Analytical Methodology	units  units  units  nod: EPA 80  sl Services -  mg/kg  mg/kg  %  %  hod: EPA 80	Report Limit  115B Preparation Me Kansas City  11.2  11.2  11.2  31-152  46-130  115B Preparation Me	thod: E	PA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B	09/06/21 13:29 09/06/21 13:29 09/06/21 13:29 09/06/21 13:29	CAS No.	Qui
Parameters  Parameters  Parameters  Parameters  PH-DRO (C10-C28) PH-ORO (C28-C35)  Parameters  PH-DRO (C98-C35)  Parrogates  Parentacosane (S)	Results  Analytical Methodology Pace Analytical ND ND 137 76  Analytical Methodology Analytical Methodology	units  un	Report Limit  Preparation Me Kansas City  11.2  11.2  11.2  31-152  46-130  Preparation Me Kansas City	thod: E	PA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B  09/03/21 17:41	09/06/21 13:29 09/06/21 13:29 09/06/21 13:29 09/06/21 13:29	CAS No. 646-31-1 92-94-4	Qua
Results reported on a "dry weight Parameters  8015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35)  Surrogates I-Tetracosane (S) I-Terphenyl (S)  Gasoline Range Organics  FPH-GRO Surrogates I-Bromofluorobenzene (S)	Analytical Methodology Pace Analytical Methodology ND ND 137 76 Analytical Methodology Pace Analytical Methodology Pace Analytical Methodology ND 92	units  un	Report Limit  Preparation Me Kansas City  11.2  11.2  11.2  31-152  46-130  Preparation Me Kansas City  12.7	mple s  DF  thod: E  1  1  thod: E	PA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B  09/03/21 17:41	09/06/21 13:29 09/06/21 13:29 09/06/21 13:29 09/06/21 13:29 09/06/21 13:29	CAS No. 646-31-1 92-94-4	Qua
Parameters  Parameters  Parameters  Parameters  PH-DRO (C10-C28) PH-ORO (C28-C35) PH-ORO (C28-C35) P-Tetracosane (S) P-Terphenyl (S)  PASSOline Range Organics  PH-GRO  Surrogates PH-GRO	Analytical Methodology Pace Analytical Methodology ND ND 137 76 Analytical Methodology Pace Analytical Methodology Pace Analytical Methodology ND 92	units  units  units  nod: EPA 80  al Services -  mg/kg  mg/kg  %  nod: EPA 80  al Services -  mg/kg  mg/kg	Report Limit  Report Limit  Preparation Me Kansas City  11.2  11.2  31-152  46-130  Preparation Me Kansas City  12.7  63-121	mple s  DF  thod: E  1  1  thod: E	PA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B  09/03/21 17:41	09/06/21 13:29 09/06/21 13:29 09/06/21 13:29 09/06/21 13:29 09/06/21 13:29	CAS No. 646-31-1 92-94-4	Qui
Parameters  1015B Diesel Range Organics  1015	Results  Analytical Methodology Pace Analytical ND ND 137 76 Analytical Methodology Pace Analytical ND Pace Analytical ND 92 Analytical Methodology	units  units  units  nod: EPA 80  al Services -  mg/kg  mg/kg  %  nod: EPA 80  al Services -  mg/kg  mg/kg	Report Limit  Report Limit  Preparation Me Kansas City  11.2  11.2  31-152  46-130  Preparation Me Kansas City  12.7  63-121	mple s  DF  thod: E  1  1  thod: E	PA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B  09/03/21 17:41 09/03/21 17:41 PA 5035A/5030B	09/06/21 13:29 09/06/21 13:29 09/06/21 13:29 09/06/21 13:29 09/06/21 13:29	CAS No. 646-31-1 92-94-4	Qua
Parameters  Parameters  Parameters  Parameters  PH-DRO (C10-C28) PH-ORO (C28-C35)  PH-ORO (C28-C35)  PH-ORO (Second Second Secon	Results  Analytical Methodology Pace Analytical ND ND 137 76 Analytical Methodology Pace Analytical ND 92 Analytical Methodology Pace Analytical Methodology	units  un	Report Limit  115B Preparation Me Kansas City  11.2  11.2  11.2  31-152  46-130  115B Preparation Me Kansas City  12.7  63-121  160B Preparation Me Kansas City	thod: E  1 1 1 thod: E  1 thod: E	PRA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B  09/03/21 17:41 PA 5035A/5030B  09/03/21 15:07	09/06/21 13:29 09/06/21 13:29 09/06/21 13:29 09/06/21 13:29 09/06/21 13:29 09/04/21 07:16	CAS No. 646-31-1 92-94-4 460-00-4	Qua
Parameters  Parameters  Parameters  Parameters  PH-DRO (C10-C28) PH-ORO (C28-C35)  PH-ORO (C28-C35)  PH-ORO (Surrogates  Parameters  PH-GRO (Surrogates  PH-GRO (Surro	Analytical Methodology Pace Analytical Methodology ND ND 137 76 Analytical Methodology Pace Analytical Methodology ND 92 Analytical Methodology Pace Analytical Methodology Pace Analytical Methodology ND	units  un	Report Limit  Report Limit  115B Preparation Me Kansas City  11.2  11.2  11.2  31-152  46-130  115B Preparation Me Kansas City  12.7  63-121  160B Preparation Me Kansas City  6.4	mple s DF thod: E  1 1 1 thod: E  1 thod: E	PRA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B  09/03/21 17:41 09/03/21 17:41 PA 5035A/5030B  09/03/21 15:07 09/03/21 15:07	09/06/21 13:29 09/06/21 13:29 09/06/21 13:29 09/06/21 13:29 09/06/21 13:29 09/04/21 07:16	CAS No. 646-31-1 92-94-4 460-00-4 71-43-2 100-41-4	Qui
Parameters  Parameters  Parameters  Parameters  PH-DRO (C10-C28) PH-ORO (C28-C35) PH-ORO (C28-C35)  PH-ORO (Surrogates Parameters  PH-GRO (Surrogates PH-GRO (Surroga	Analytical Methodology Pace An	units  un	Report Limit  Report Limit  115B Preparation Me Kansas City  11.2  11.2  11.2  31-152  46-130  115B Preparation Me Kansas City  12.7  63-121  160B Preparation Me Kansas City  6.4  6.4	thod: E  thod: E  thod: E  thod: E	Prepared PA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B  09/03/21 17:41 PA 5035A/5030B  09/03/21 15:07 09/03/21 15:07 09/03/21 15:07	09/06/21 13:29 09/06/21 13:29 09/06/21 13:29 09/06/21 13:29 09/06/21 13:29 09/04/21 07:16 09/04/21 07:16	CAS No.  646-31-1 92-94-4  460-00-4  71-43-2 100-41-4 108-88-3	Qui
Sample: BOTTOMHOLE-1(5') Results reported on a "dry weight Parameters  B015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)  Gasoline Range Organics  TPH-GRO Surrogates 4-Bromofluorobenzene (S) B260B MSV 5035A Low Level  Benzene Ethylbenzene Toluene Xylene (Total) Surrogates	Results  Analytical Methodology Pace Analytical ND ND 137 76 Analytical Methodology Pace Analytical ND 92 Analytical Methodology Pace Analytical ND ND ND ND ND ND ND	units  un	Report Limit  Re	thod: E  thod: E  thod: E  thod: E	PA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B  09/03/21 17:41 PA 5035A/5030B  09/03/21 17:41 PA 5035A/5030B  09/03/21 15:07 09/03/21 15:07 09/03/21 15:07	09/06/21 13:29 09/06/21 13:29 09/06/21 13:29 09/06/21 13:29 09/06/21 13:29 09/04/21 07:16 09/04/21 07:16	CAS No.  646-31-1 92-94-4  460-00-4  71-43-2 100-41-4 108-88-3 1330-20-7	Qua

# **REPORT OF LABORATORY ANALYSIS**

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Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

Sample: BOTTOMHOLE-1(5')	Lab ID: 603		Collected: 09/01/2				∕latrix: Solid	
esults reported on a "dry weight	t" basis and are adj	usted for p	ercent moisture, sa	mple s	ize and any dilu	tions.		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
260B MSV 5035A Low Level	Analytical Meth	nod: EPA 82	260B Preparation Me	thod: E	PA 5035A/5030B			
	Pace Analytica	I Services -	Kansas City					
Surrogates								
1-Bromofluorobenzene (S)	102	%	83-119	1	09/03/21 15:07	09/04/21 01:26	460-00-4	
,2-Dichlorobenzene-d4 (S)	99	%	80-120	1	09/03/21 15:07	09/04/21 01:26	2199-69-1	
Percent Moisture	Analytical Meth	nod: ASTM	D2974					
	Pace Analytica	l Services -	Kansas City					
Percent Moisture	12.8	%	0.50	1		09/03/21 15:59		
0056 IC Anions	Analytical Meth	nod: EPA 90	056 Preparation Meth	nod: EP	A 9056			
	Pace Analytica	l Services -	Kansas City					
Chloride	246	mg/kg	111	10	09/04/21 08:59	09/04/21 19:55	16887-00-6	
Sample: BOTTOMHOLE-2(4')	Lab ID. COO	70004000	Collected: 09/01/2	14.44.00	Received: 09	V/02/24 00-00 A	Antoire Callel	
. ,	Lab ID: 603						//atrix: Solid	
Results reported on a "dry weight	Dasis and are adj	usted for p	ercent moisture, sa	iiipie s	ize and any did	uons.		
<b>5</b> ,	<b>D</b> 11	11.34	D	5-			04011	_
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
			<u> </u>		<u> </u>	Analyzed	CAS No.	Qua
	Analytical Meth	nod: EPA 80	)15B Preparation Me		<u> </u>	Analyzed	CAS No.	Qua
8015B Diesel Range Organics	Analytical Meth	nod: EPA 80 Il Services -	015B Preparation Me Kansas City	thod: E	PA 3546			Qua
3015B Diesel Range Organics TPH-DRO (C10-C28)	Analytical Meth Pace Analytica ND	nod: EPA 80 Il Services - mg/kg	015B Preparation Me Kansas City 11.2	ethod: E	PA 3546 09/03/21 14:52	09/06/21 13:37		Qua
B015B Diesel Range Organics  FPH-DRO (C10-C28)  FPH-ORO (C28-C35)	Analytical Meth	nod: EPA 80 Il Services -	015B Preparation Me Kansas City	thod: E	PA 3546 09/03/21 14:52			Qua
PH-DRO (C10-C28) PH-ORO (C28-C35) Surrogates	Analytical Meth Pace Analytica ND ND	nod: EPA 80 Il Services - mg/kg mg/kg	015B Preparation Me Kansas City 11.2	ethod: E	PA 3546  09/03/21 14:52 09/03/21 14:52	09/06/21 13:37 09/06/21 13:37		Qua S3
PH-DRO (C10-C28) PH-ORO (C28-C35) Surrogates I-Tetracosane (S)	Analytical Meth Pace Analytica ND	nod: EPA 80 Il Services - mg/kg	D15B Preparation Me Kansas City 11.2 11.2	ethod: E	PA 3546  09/03/21 14:52 09/03/21 14:52  09/03/21 14:52	09/06/21 13:37	646-31-1	
B015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) D-Terphenyl (S)	Analytical Meth Pace Analytica ND ND 196 69	mod: EPA 80 Il Services - mg/kg mg/kg %	215B Preparation Me Kansas City 11.2 11.2 31-152 46-130	ethod: E 1 1 1 1	PA 3546  09/03/21 14:52 09/03/21 14:52  09/03/21 14:52  09/03/21 14:52	09/06/21 13:37 09/06/21 13:37 09/06/21 13:37 09/06/21 13:37	646-31-1	
Parameters  B015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates n-Tetracosane (S) D-Terphenyl (S)  Gasoline Range Organics	Analytical Meth Pace Analytica ND ND 196 69 Analytical Meth	mod: EPA 80 Il Services - mg/kg mg/kg % %	2015B Preparation Me Kansas City 11.2 11.2 31-152 46-130 2015B Preparation Me	ethod: E 1 1 1 1	PA 3546  09/03/21 14:52 09/03/21 14:52  09/03/21 14:52  09/03/21 14:52	09/06/21 13:37 09/06/21 13:37 09/06/21 13:37 09/06/21 13:37	646-31-1	
B015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates n-Tetracosane (S) n-Terphenyl (S)  Gasoline Range Organics	Analytical Meth Pace Analytica ND ND 196 69 Analytical Meth Pace Analytica	mod: EPA 80 Il Services - mg/kg mg/kg % % nod: EPA 80	2015B Preparation Me Kansas City 11.2 11.2 31-152 46-130 2015B Preparation Me Kansas City	ethod: E  1 1 1 1 1 thethod: E	PA 3546  09/03/21 14:52 09/03/21 14:52  09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B	09/06/21 13:37 09/06/21 13:37 09/06/21 13:37 09/06/21 13:37	646-31-1 92-94-4	
B015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates 1-Tetracosane (S) 1-Terphenyl (S)  Gasoline Range Organics  FPH-GRO	Analytical Meth Pace Analytica ND ND 196 69 Analytical Meth	mod: EPA 80 Il Services - mg/kg mg/kg % %	2015B Preparation Me Kansas City 11.2 11.2 31-152 46-130 2015B Preparation Me	ethod: E 1 1 1 1	PA 3546  09/03/21 14:52 09/03/21 14:52  09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B	09/06/21 13:37 09/06/21 13:37 09/06/21 13:37 09/06/21 13:37	646-31-1 92-94-4	
PH-DRO (C10-C28) PH-DRO (C28-C35) PH-ORO (C28-C35) FH-Grogates P-Tetracosane (S) P-Terphenyl (S) Fasoline Range Organics FPH-GRO Fourrogates	Analytical Meth Pace Analytica ND ND 196 69 Analytical Meth Pace Analytica	mod: EPA 80 Il Services - mg/kg mg/kg % % nod: EPA 80	2015B Preparation Me Kansas City 11.2 11.2 31-152 46-130 2015B Preparation Me Kansas City	ethod: E  1 1 1 1 1 thethod: E	PA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B  09/03/21 17:41	09/06/21 13:37 09/06/21 13:37 09/06/21 13:37 09/06/21 13:37	646-31-1 92-94-4	
B015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S) Gasoline Range Organics  FPH-GRO Surrogates n-Bromofluorobenzene (S)	Analytical Meth Pace Analytica ND ND 196 69 Analytical Meth Pace Analytical ND	mod: EPA 80 Il Services - mg/kg mg/kg % % nod: EPA 80 Il Services - mg/kg	2015B Preparation Me Kansas City 11.2 11.2 31-152 46-130 2015B Preparation Me Kansas City 11.8	ethod: E  1 1 1 1 thod: Ethod: E	PA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B  09/03/21 17:41 09/03/21 17:41	09/06/21 13:37 09/06/21 13:37 09/06/21 13:37 09/06/21 13:37 09/04/21 07:31	646-31-1 92-94-4	
B015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S) Gasoline Range Organics  FPH-GRO Surrogates n-Bromofluorobenzene (S)	Analytical Meth Pace Analytica ND ND 196 69 Analytical Meth Pace Analytica ND 91 Analytical Meth	mod: EPA 80 Il Services - mg/kg mg/kg % mod: EPA 80 Il Services - mg/kg %	260B Preparation Me	ethod: E  1 1 1 1 thod: Ethod: E	PA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B  09/03/21 17:41 09/03/21 17:41	09/06/21 13:37 09/06/21 13:37 09/06/21 13:37 09/06/21 13:37 09/04/21 07:31	646-31-1 92-94-4	
3015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates n-Tetracosane (S) n-Terphenyl (S) Gasoline Range Organics  TPH-GRO Surrogates 1-Bromofluorobenzene (S) 3260B MSV 5035A Low Level	Analytical Meth Pace Analytical ND ND 196 69 Analytical Meth Pace Analytical ND 91 Analytical Meth Pace Analytical	mod: EPA 80 Il Services - mg/kg mg/kg % hod: EPA 80 Il Services - mg/kg %	260B Preparation Me Kansas City  11.2  11.2  31-152  46-130  115B Preparation Me Kansas City  11.8  63-121  260B Preparation Me Kansas City	ethod: E  1 1 1 1 thod: E	PA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B  09/03/21 17:41 09/03/21 17:41 PA 5035A/5030B	09/06/21 13:37 09/06/21 13:37 09/06/21 13:37 09/06/21 13:37 09/04/21 07:31	646-31-1 92-94-4 460-00-4	
PH-DRO (C10-C28) PH-DRO (C28-C35) PH-ORO (C28-C35) FUTH-ORO (C28-C35) FUTH-ORO (C28-C35) FUTH-ORO (S) FUTH-OR	Analytical Meth Pace Analytical ND ND 196 69 Analytical Meth Pace Analytical ND 91 Analytical Meth Pace Analytical	mod: EPA 80 Il Services - mg/kg mg/kg % hod: EPA 80 Il Services - mg/kg % hod: EPA 82 Il Services - ug/kg	260B Preparation Me Kansas City  11.2  11.2  31-152  46-130  15B Preparation Me Kansas City  11.8  63-121  260B Preparation Me Kansas City  5.9	ethod: E  1 1 1 1 1 1 1 thod: E	PA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B  09/03/21 17:41 09/03/21 17:41 PA 5035A/5030B	09/06/21 13:37 09/06/21 13:37 09/06/21 13:37 09/06/21 13:37 09/04/21 07:31 09/04/21 07:31	646-31-1 92-94-4 460-00-4 71-43-2	
PH-DRO (C10-C28) PH-DRO (C28-C35) PH-ORO (C28-C35) FUTH-ORO (C28-C35) FUTH-ORO (C28-C35) FUTH-ORO (S) FUTH-OR	Analytical Meth Pace Analytica ND ND 196 69 Analytical Meth Pace Analytica ND 91 Analytical Meth Pace Analytical ND ND ND	mod: EPA 80 Il Services - mg/kg mg/kg % hod: EPA 80 Il Services - mg/kg % hod: EPA 82 Il Services - ug/kg ug/kg	2015B Preparation Me Kansas City  11.2  11.2  31-152  46-130  2015B Preparation Me Kansas City  11.8  63-121  260B Preparation Me Kansas City  5.9  5.9	ethod: E  1 1 1 1 1 1 1 thod: E	PA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B  09/03/21 17:41 09/03/21 17:41 PA 5035A/5030B  09/03/21 15:07 09/03/21 15:07	09/06/21 13:37 09/06/21 13:37 09/06/21 13:37 09/06/21 13:37 09/06/21 07:31 09/04/21 07:31	646-31-1 92-94-4 460-00-4 71-43-2 100-41-4	
PH-DRO (C10-C28) PH-DRO (C28-C35) PH-ORO (C28-C35) Furrogates P-Tetracosane (S) P-Terphenyl (S) Fasoline Range Organics FPH-GRO Furrogates P-Bromofluorobenzene (S) Ference Ethylbenzene Foluene	Analytical Meth Pace Analytica ND ND 196 69 Analytical Meth Pace Analytica ND 91 Analytical Meth Pace Analytical ND ND ND ND	mod: EPA 80 Il Services - mg/kg mg/kg % hod: EPA 80 Il Services - mg/kg % hod: EPA 82 Il Services - ug/kg ug/kg ug/kg	260B Preparation Me Kansas City  11.2  11.2  31-152  46-130  215B Preparation Me Kansas City  11.8  63-121  260B Preparation Me Kansas City  5.9  5.9  5.9	ethod: E  1 1 1 1 1 1 thod: E	PA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B  09/03/21 17:41 09/03/21 17:41 PA 5035A/5030B  09/03/21 15:07 09/03/21 15:07 09/03/21 15:07	09/06/21 13:37 09/06/21 13:37 09/06/21 13:37 09/06/21 13:37 09/06/21 07:31 09/04/21 07:31 09/04/21 01:46 09/04/21 01:46 09/04/21 01:46	646-31-1 92-94-4 460-00-4 71-43-2 100-41-4 108-88-3	
PH-DRO (C10-C28) PH-DRO (C28-C35) FH-ORO (C28-C35) FURDAMENTAL STATEMENT OF THE STATEMENT O	Analytical Meth Pace Analytica ND ND 196 69 Analytical Meth Pace Analytica ND 91 Analytical Meth Pace Analytical ND ND ND	mod: EPA 80 Il Services - mg/kg mg/kg % hod: EPA 80 Il Services - mg/kg % hod: EPA 82 Il Services - ug/kg ug/kg	2015B Preparation Me Kansas City  11.2  11.2  31-152  46-130  2015B Preparation Me Kansas City  11.8  63-121  260B Preparation Me Kansas City  5.9  5.9	ethod: E  1 1 1 1 1 1 1 thod: E	PA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B  09/03/21 17:41 09/03/21 17:41 PA 5035A/5030B  09/03/21 15:07 09/03/21 15:07 09/03/21 15:07	09/06/21 13:37 09/06/21 13:37 09/06/21 13:37 09/06/21 13:37 09/06/21 07:31 09/04/21 07:31	646-31-1 92-94-4 460-00-4 71-43-2 100-41-4 108-88-3	
RO15B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates D-Tetracosane (S) D-Terphenyl (S) Gasoline Range Organics  FPH-GRO Surrogates L-Bromofluorobenzene (S) R260B MSV 5035A Low Level  Genzene Ethylbenzene Foluene Kylene (Total) Surrogates Surrogates	Analytical Meth Pace Analytica  ND ND  196 69  Analytical Meth Pace Analytica  ND  91  Analytical Meth Pace Analytical  ND ND ND ND ND ND ND	mod: EPA 80 Il Services - mg/kg mg/kg % mod: EPA 80 Il Services - mg/kg % mod: EPA 82 Il Services - ug/kg ug/kg ug/kg ug/kg	2015B Preparation Me Kansas City  11.2  11.2  31-152  46-130  2015B Preparation Me Kansas City  11.8  63-121  260B Preparation Me Kansas City  5.9  5.9  5.9  17.8	ethod: E  1 1 1 1 1 1 thod: E	PA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B  09/03/21 17:41 09/03/21 17:41 PA 5035A/5030B  09/03/21 15:07 09/03/21 15:07 09/03/21 15:07	09/06/21 13:37 09/06/21 13:37 09/06/21 13:37 09/06/21 13:37 09/06/21 07:31 09/04/21 07:31 09/04/21 01:46 09/04/21 01:46 09/04/21 01:46	646-31-1 92-94-4 460-00-4 71-43-2 100-41-4 108-88-3 1330-20-7	
B015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) D-Terphenyl (S)	Analytical Meth Pace Analytica ND ND 196 69 Analytical Meth Pace Analytica ND 91 Analytical Meth Pace Analytical ND ND ND ND	mod: EPA 80 Il Services - mg/kg mg/kg % hod: EPA 80 Il Services - mg/kg % hod: EPA 82 Il Services - ug/kg ug/kg ug/kg	260B Preparation Me Kansas City  11.2  11.2  31-152  46-130  215B Preparation Me Kansas City  11.8  63-121  260B Preparation Me Kansas City  5.9  5.9  5.9	ethod: E  1 1 1 1 1 1 thod: E	PA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B  09/03/21 17:41 09/03/21 17:41 PA 5035A/5030B  09/03/21 15:07 09/03/21 15:07 09/03/21 15:07 09/03/21 15:07	09/06/21 13:37 09/06/21 13:37 09/06/21 13:37 09/06/21 13:37 09/06/21 07:31 09/04/21 07:31 09/04/21 01:46 09/04/21 01:46 09/04/21 01:46	646-31-1 92-94-4 460-00-4 71-43-2 100-41-4 108-88-3 1330-20-7 2037-26-5	

# **REPORT OF LABORATORY ANALYSIS**

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Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264		=000/227	0			100104 55 55		
Sample: BOTTOMHOLE-2(4')	Lab ID: 603		Collected: 09/01/2				Matrix: Solid	
Results reported on a "dry weight	" basis and are ad	iusted for p		mple s	ize and any dilu	tions.		
Parameters	Results	Units	Report Limit	DF	Prepared —	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Met	hod: ASTM	D2974					
	Pace Analytica	al Services -	Kansas City					
Percent Moisture	11.4	%	0.50	1		09/03/21 15:59	)	
9056 IC Anions	Analytical Metl	hod: EPA 90	056 Preparation Meth	nod: EF	A 9056			
	Pace Analytica	al Services -	Kansas City					
Chloride	ND	mg/kg	109	10	09/04/21 08:59	09/04/21 20:17	16887-00-6	
Sample: BOTTOMHOLE-3(4')	Lab ID: 603	79264024	Collected: 09/01/2	1 14:00	Received: 09	9/03/21 09:00 I	Matrix: Solid	
Results reported on a "dry weight	" basis and are ad	iusted for p	ercent moisture, sa	mple s	ize and any dilu	tions.		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics	Analytical Metl Pace Analytica		015B Preparation Me Kansas City	thod: E	PA 3546			
TPH-DRO (C10-C28)	ND	mg/kg	10.8	1	09/03/21 14:52	09/06/21 13:45	5	
TPH-ORO (C28-C35)	ND	mg/kg	10.8	1	09/03/21 14:52	09/06/21 13:45	5	
Surrogates n-Tetracosane (S)	82	%	31-152	1	00/03/21 14:52	09/06/21 13:45	646-31-1	
o-Terphenyl (S)	72	%	46-130	1		09/06/21 13:45		
Gasoline Range Organics	Applytical Mot	had: EDA 90	015B Preparation Me	thad: E	:DV EUSEV/EUSUB			
sasonile Kange Organics	Pace Analytica			tillou. L	.i A 3033A/3030B			
TPH-GRO	•		ŕ	4	00/02/21 17:41	00/04/24 07:46	•	
Surrogates	ND	mg/kg	11.2	1	09/03/21 17.41	09/04/21 07:46	)	
4-Bromofluorobenzene (S)	92	%	63-121	1	09/03/21 17:41	09/04/21 07:46	460-00-4	
3260B MSV 5035A Low Level	Analytical Met	hod: EPA 82	260B Preparation Me	thod: E	PA 5035A/5030B			
	Pace Analytica							
Benzene	ND	ug/kg	5.6	1	09/03/21 15:07	09/04/21 02:06	71-43-2	
Ethylbenzene	ND	ug/kg	5.6	1		09/04/21 02:06		
Toluene	ND	ug/kg	5.6	1	09/03/21 15:07	09/04/21 02:06	108-88-3	
(Ylene (Total)	ND	ug/kg	16.7	1	09/03/21 15:07	09/04/21 02:06	1330-20-7	
Surrogates	407	0/	00.400		00/00/04 45:07	00/04/04 00:00	. 0007.00.5	
Foluene-d8 (S) 4-Bromofluorobenzene (S)	107 104	%	80-120 83-119	1 1		09/04/21 02:06 09/04/21 02:06		
1,2-Dichlorobenzene-d4 (S)	99	% %	80-120	1		09/04/21 02:06		
. ,					00/00/21 10:01	00/01/21 02:00	2100 00 1	
Percent Moisture	Analytical Metl Pace Analytica							
Percent Moisture	11.0	%	0.50	1		09/03/21 15:59	)	
9056 IC Anions	Analytical Metl		056 Preparation Meth Kansas City	nod: EF	A 9056			
Chloride	ND	mg/kg	110	10	09/04/21 08:59	09/04/21 20:28	16887-00-6	
		5 5						

# **REPORT OF LABORATORY ANALYSIS**

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Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

Sample: BOTTOMHOLE-4(4')	Lab ID: 603		Collected: 09/01/2				latrix: Solid	
Results reported on a "dry weight Parameters	" <b>basis and are ad</b> Results	<i>justed for per</i> Units	Report Limit	mple s	<b>Size and any dilu</b> Prepared	tions. Analyzed	CAS No.	Qua
3015B Diesel Range Organics	Analytical Met	hod: EPA 8015	B Preparation Me	ethod: E	=- EPA 3546	-		
	Pace Analytica	al Services - Ka	ansas City					
TPH-DRO (C10-C28)	ND	mg/kg	11.5	1	09/03/21 14:52	09/06/21 13:53		
TPH-ORO (C28-C35) Surrogates	ND	mg/kg	11.5	1	09/03/21 14:52	09/06/21 13:53		
n-Tetracosane (S)	86	%	31-152	1		09/06/21 13:53		
o-Terphenyl (S)	76	%	46-130	1	09/03/21 14:52	09/06/21 13:53	92-94-4	
Gasoline Range Organics	Analytical Metl Pace Analytica		B Preparation Me ansas City	ethod: E	EPA 5035A/5030B			
ГРН-GRO <b>Surrogates</b>	ND	mg/kg	12.8	1	09/03/21 17:41	09/04/21 08:01		
4-Bromofluorobenzene (S)	92	%	63-121	1	09/03/21 17:41	09/04/21 08:01	460-00-4	
3260B MSV 5035A Low Level	Analytical Metl Pace Analytica		DB Preparation Meansas City	thod: E	EPA 5035A/5030B	<b>S</b>		
Benzene	ND	ug/kg	6.4	1	09/03/21 15:07	09/04/21 02:27	71-43-2	
Ethylbenzene	ND	ug/kg	6.4	1		09/04/21 02:27		
oluene	ND	ug/kg	6.4	1		09/04/21 02:27		
(ylene (Total) <b>Surrogates</b>	ND	ug/kg	19.2	1	09/03/21 15:07	09/04/21 02:27	1330-20-7	
Toluene-d8 (S)	109	%	80-120	1		09/04/21 02:27		
l-Bromofluorobenzene (S)	104	%	83-119	1		09/04/21 02:27		
,2-Dichlorobenzene-d4 (S)	98	%	80-120	1	09/03/21 15:07	09/04/21 02:27	2199-69-1	
Percent Moisture	Analytical Metl Pace Analytica							
Percent Moisture	13.5	%	0.50	1		09/03/21 15:59		
					24.0050			
056 IC Anions	Pace Analytica		Preparation Metl	100: EF	A 9056			
	•		•					
Chloride	339	mg/kg	111	10	09/04/21 08:59	09/04/21 20:39	16887-00-6	
Sample: BOTTOMHOLE-5(4')	Lab ID: 603	<b>79264026</b> (	Collected: 09/01/2	21 14:0	0 Received: 09	9/03/21 09:00 M	latrix: Solid	
Results reported on a "dry weight	" basis and are ad	justed for per	cent moisture, sa	mple s	size and any dilu	tions.		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8015B Diesel Range Organics	Analytical Metl Pace Analytica		B Preparation Me ansas City	thod: E	EPA 3546			
TPH-DRO (C10-C28)	ND	mg/kg	10.6	1	09/03/21 14:52	09/06/21 14:01		
TPH-ORO (C28-C35)	ND	mg/kg	10.6	1		09/06/21 14:01		
Surrogates		5- 5						
n-Tetracosane (S)	84	%	31-152	1	09/03/21 14:52	09/06/21 14:01	646-31-1	
p-Terphenyl (S)	76	%	46-130	1	09/03/21 14:52			

# **REPORT OF LABORATORY ANALYSIS**

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Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

Results reported on a "dry weight"		79264026	Collected: 09/01/2	1 14:0	0 Received: 09	/03/21 09:00 M	fatrix: Solid	
tosuits reported on a dry weight	basis and are adj	usted for pe	rcent moisture, sa	mple s	size and any dilut	tions.		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
Gasoline Range Organics	Analytical Meth Pace Analytica		5B Preparation Me Cansas City	thod: E	EPA 5035A/5030B			
TPH-GRO <b>Surrogates</b>	ND	mg/kg	11.7	1	09/03/21 17:41	09/04/21 08:16		
4-Bromofluorobenzene (S)	95	%	63-121	1	09/03/21 17:41	09/04/21 08:16	460-00-4	
8260B MSV 5035A Low Level	Analytical Meth Pace Analytica		0B Preparation Me Cansas City	thod: E	EPA 5035A/5030B			
Benzene	ND	ug/kg	5.8	1	09/03/21 15:07	09/04/21 02:47	71-43-2	
Ethylbenzene	ND	ug/kg	5.8	1	09/03/21 15:07	09/04/21 02:47	100-41-4	
Toluene	ND	ug/kg	5.8	1	09/03/21 15:07	09/04/21 02:47	108-88-3	
Xylene (Total) Surrogates	ND	ug/kg	17.5	1	09/03/21 15:07	09/04/21 02:47	1330-20-7	
Toluene-d8 (S)	108	%	80-120	1	09/03/21 15:07	09/04/21 02:47	2037-26-5	
4-Bromofluorobenzene (S)	102	%	83-119	1	09/03/21 15:07	09/04/21 02:47	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	80-120	1	09/03/21 15:07	09/04/21 02:47	2199-69-1	
Percent Moisture	Analytical Meth Pace Analytica							
Percent Moisture	8.8	%	0.50	1		09/03/21 15:59		
	Analytical Meth	od: EPA 905	C Dranaration Math	d. FF	24 0056			
9056 IC Anions	Pace Analytica		6 Preparation Meth Kansas City	100. EF	A 9000			
9056 IC Anions Chloride				10		09/04/21 20:50	16887-00-6	
Chloride Sample: BOTTOMHOLE-6(4')	Pace Analytica ND Lab ID: 603	Mg/kg mg/kg 79264027	Cansas City 105 Collected: 09/01/2	10	09/04/21 08:59 0 Received: 09	/03/21 09:00 N	16887-00-6  fatrix: Solid  CAS No.	Qu:
Chloride  Sample: BOTTOMHOLE-6(4')  Results reported on a "dry weight"	Pace Analytica ND  Lab ID: 603 basis and are adj  Results	mg/kg  79264027  usted for pe  Units	Collected: 09/01/2 rcent moisture, sa Report Limit 5B Preparation Me	10 1 14:0 <b>mple s</b> DF	09/04/21 08:59  Received: 09  Size and any dilute  Prepared	/03/21 09:00 N	latrix: Solid	Qua
Chloride  Sample: BOTTOMHOLE-6(4')  Results reported on a "dry weight"  Parameters  8015B Diesel Range Organics	Pace Analytica ND  Lab ID: 603' basis and are adj Results Analytical Meth	mg/kg  79264027  usted for pe  Units	Collected: 09/01/2 rcent moisture, sa Report Limit 5B Preparation Me	10 1 14:0 <b>mple s</b> DF	09/04/21 08:59  Received: 09  Size and any dilute  Prepared  EPA 3546	/03/21 09:00 N	latrix: Solid	Qua
Chloride  Sample: BOTTOMHOLE-6(4')  Results reported on a "dry weight"  Parameters  8015B Diesel Range Organics  TPH-DRO (C10-C28)  TPH-ORO (C28-C35)	Pace Analytica ND  Lab ID: 603 basis and are adj Results  Analytical Meth Pace Analytica	mg/kg  79264027  usted for pe  Units  nod: EPA 801 I Services - K	Collected: 09/01/2 rcent moisture, sa Report Limit 5B Preparation Me Cansas City	10 1 14:0 <b>mple s</b> DF thod: E	09/04/21 08:59  Received: 09  Size and any dilute Prepared  EPA 3546  09/03/21 14:52	/03/21 09:00 M t <b>ions.</b> Analyzed	latrix: Solid	Qua
Chloride  Sample: BOTTOMHOLE-6(4')  Results reported on a "dry weight"  Parameters  8015B Diesel Range Organics  TPH-DRO (C10-C28)  TPH-ORO (C28-C35)  Surrogates	Pace Analytica ND  Lab ID: 603 basis and are adj Results  Analytical Meth Pace Analytica ND	mg/kg  79264027  usted for pe  Units  nod: EPA 801 I Services - k  mg/kg	Collected: 09/01/2 rcent moisture, sa Report Limit 5B Preparation Me Cansas City 10.2	10 1 14:0 <b>mple s</b> DF thod: E	09/04/21 08:59  Received: 09  Size and any dilute Prepared  EPA 3546  09/03/21 14:52  09/03/21 14:52	/03/21 09:00 M tions. Analyzed 09/06/21 14:09	fatrix: Solid  CAS No.	Qua S3
Chloride  Sample: BOTTOMHOLE-6(4')  Results reported on a "dry weight"  Parameters  8015B Diesel Range Organics  TPH-DRO (C10-C28)  TPH-ORO (C28-C35)  Surrogates n-Tetracosane (S)	Pace Analytica ND  Lab ID: 603 basis and are adj Results  Analytical Meth Pace Analytica ND ND	mg/kg  79264027  usted for pe  Units  nod: EPA 801 I Services - k  mg/kg  mg/kg	Collected: 09/01/2 rcent moisture, sa Report Limit 5B Preparation Me Cansas City 10.2 10.2	10 mple s DF thod: E	09/04/21 08:59  0 Received: 09  size and any dilute Prepared  EPA 3546  09/03/21 14:52  09/03/21 14:52	09/06/21 14:09	CAS No.	
Chloride  Sample: BOTTOMHOLE-6(4')  Results reported on a "dry weight"  Parameters  8015B Diesel Range Organics  TPH-DRO (C10-C28)  TPH-ORO (C28-C35)	Pace Analytica ND  Lab ID: 603 basis and are adj Results  Analytical Meth Pace Analytica ND ND 202 70	79264027 usted for per Units nod: EPA 801 I Services - K mg/kg mg/kg % nod: EPA 801	Collected: 09/01/2 rcent moisture, sa Report Limit 5B Preparation Me (ansas City 10.2 10.2 31-152 46-130 5B Preparation Me	10 114:0 mple s DF thod: E	09/04/21 08:59  0 Received: 09  size and any dilute Prepared  EPA 3546  09/03/21 14:52  09/03/21 14:52  09/03/21 14:52  09/03/21 14:52	09/06/21 14:09 09/06/21 14:09 09/06/21 14:09	CAS No.	
Chloride  Sample: BOTTOMHOLE-6(4')  Results reported on a "dry weight"  Parameters  8015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35)  Surrogates n-Tetracosane (S) p-Terphenyl (S)	Pace Analytica ND  Lab ID: 603 basis and are adj Results  Analytical Meth Pace Analytica ND ND 202 70 Analytical Meth	79264027 usted for per Units nod: EPA 801 I Services - K mg/kg mg/kg % nod: EPA 801	Collected: 09/01/2 rcent moisture, sa Report Limit 5B Preparation Me (ansas City 10.2 10.2 31-152 46-130 5B Preparation Me	10 114:0 mple s DF thod: E	09/04/21 08:59  0 Received: 09  size and any dilute Prepared  EPA 3546  09/03/21 14:52  09/03/21 14:52  09/03/21 14:52  09/03/21 14:52	09/06/21 14:09 09/06/21 14:09 09/06/21 14:09 09/06/21 14:09	CAS No.	

# **REPORT OF LABORATORY ANALYSIS**

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Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

Sample: BOTTOMHOLE-6(4')	Lab ID: 603	79264027	Collected: 09/01/2	1 14:00	0 Received: 09	/03/21 09:00 N	latrix: Solid	
Results reported on a "dry weight	" basis and are ad	iusted for pe	ercent moisture, sa	mple s	size and any dilut	ions.		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
3260B MSV 5035A Low Level	Analytical Met	hod: EPA 826	60B Preparation Me	thod: E	PA 5035A/5030B			
	Pace Analytica	al Services - I	Kansas City					
Benzene	ND	ug/kg	5.5	1	00/03/21 15:07	09/04/21 03:07	71_/3_2	
Ethylbenzene	ND ND	ug/kg ug/kg	5.5	1		09/04/21 03:07		
Toluene	ND ND		5.5	1		09/04/21 03:07		
Kylene (Total)	ND ND	ug/kg ug/kg	16.4	1		09/04/21 03:07		
Surrogates	ND	ug/kg	10.4	'	09/03/21 13.07	09/04/21 03.07	1330-20-7	
Foluene-d8 (S)	110	%	80-120	1	09/03/21 15:07	09/04/21 03:07	2037-26-5	
I-Bromofluorobenzene (S)	104	%	83-119	1		09/04/21 03:07		
,2-Dichlorobenzene-d4 (S)	98	%	80-120	1		09/04/21 03:07		
Percent Moisture	Analytical Met							
	Pace Analytica	l Services - I	Kansas City					
Percent Moisture	8.1	%	0.50	1		09/03/21 15:59		
9056 IC Anions	Analytical Met	hod: EPA 90	56 Preparation Meth	nod: EF	PA 9056			
	Pace Analytica		•					
Chloride	273	mg/kg	107	10		09/04/21 21:01		
Sample: BOTTOMHOLE-7(4')	Lab ID: 603	79264028	Collected: 09/01/2	1 14:00	0 Received: 09	/03/21 09:00 M	latrix: Solid	
. , ,				_			latrix: Solid	
. , ,				_			latrix: Solid  CAS No.	Qua
Results reported on a "dry weight Parameters	Results	Units	Report Limit	mple s	Prepared	tions.		Qua
Results reported on a "dry weight Parameters	Results Analytical Met	Units  Hod: EPA 80°	Report Limit  15B Preparation Me	mple s	Prepared	tions.		Qua
Results reported on a "dry weight Parameters	Results	Units  Hod: EPA 80°	Report Limit  15B Preparation Me	mple s	Prepared	tions.		Qu:
Results reported on a "dry weight Parameters  8015B Diesel Range Organics	Results Analytical Met	Units  Hod: EPA 80°	Report Limit  15B Preparation Me	mple s	Prepared EPA 3546	tions.		Qu
Parameters  8015B Diesel Range Organics  FPH-DRO (C10-C28)	Results  Analytical Metl Pace Analytica	Units  Hod: EPA 80° al Services - I	Report Limit  15B Preparation Me Kansas City	DF thod: E	Prepared  EPA 3546  09/03/21 14:52	Analyzed		Qua
Parameters  8015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35)	Results  Analytical Metl Pace Analytica	Units  Hod: EPA 80° al Services - I mg/kg	Report Limit  15B Preparation Me Kansas City  10.7	mple some street of the street	Prepared  EPA 3546  09/03/21 14:52	Analyzed 09/06/21 14:17		Qu
Parameters  8015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35)  Surrogates	Results  Analytical Metl Pace Analytica	Units  Hod: EPA 80° al Services - I mg/kg	Report Limit  15B Preparation Me Kansas City  10.7	mple some street of the street	Prepared  EPA 3546  09/03/21 14:52 09/03/21 14:52	Analyzed 09/06/21 14:17	CAS No.	Qua
Parameters  8015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates FINE Diesel Range Organics FINE DIESE Range Organics	Results  Analytical Metl Pace Analytica ND ND	Units  Hod: EPA 80° al Services - I  mg/kg mg/kg	Report Limit  15B Preparation Me Kansas City  10.7  10.7	mple s  DF  thod: E	Prepared  Prepared  EPA 3546  09/03/21 14:52  09/03/21 14:52	Analyzed  09/06/21 14:17 09/06/21 14:17	CAS No.	
Parameters  B015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) D-Terphenyl (S)	Analytical Meti Pace Analytica ND ND 160 74	Units  Hod: EPA 80° al Services - I  mg/kg mg/kg %	Report Limit  15B Preparation Me Kansas City  10.7  10.7  31-152  46-130	mple s  DF  thod: E	Prepared  Prepared  Prepared  PA 3546  09/03/21 14:52  09/03/21 14:52  09/03/21 14:52	Analyzed  09/06/21 14:17 09/06/21 14:17	CAS No.	
Parameters  B015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)	Analytical Meter	units  Units  Hod: EPA 80°  al Services - I  mg/kg  mg/kg  %  %  hod: EPA 80°	Report Limit  15B Preparation Me Kansas City  10.7 10.7 31-152 46-130  15B Preparation Me	mple s  DF  thod: E	Prepared  Prepared  Prepared  PA 3546  09/03/21 14:52  09/03/21 14:52  09/03/21 14:52	Analyzed  09/06/21 14:17 09/06/21 14:17	CAS No.	
Results reported on a "dry weight Parameters  B015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S)  Gasoline Range Organics	Analytical Meti Pace Analytica ND ND 160 74	units  Units  Hod: EPA 80°  al Services - I  mg/kg  mg/kg  %  %  hod: EPA 80°	Report Limit  15B Preparation Me Kansas City  10.7 10.7 31-152 46-130  15B Preparation Me	mple s  DF  thod: E	Prepared  Prepared  Prepared  PA 3546  09/03/21 14:52  09/03/21 14:52  09/03/21 14:52	Analyzed  09/06/21 14:17 09/06/21 14:17	CAS No.	
Results reported on a "dry weight Parameters  B015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) D-Terphenyl (S)  Gasoline Range Organics	Analytical Meters Analytical M	units  Units  Hod: EPA 80°  al Services - I  mg/kg  mg/kg  %  %  hod: EPA 80°	Report Limit  15B Preparation Me Kansas City  10.7 10.7 31-152 46-130  15B Preparation Me	mple s  DF  thod: E	Prepared  Prepared  PA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 EPA 5035A/5030B	Analyzed  09/06/21 14:17 09/06/21 14:17	CAS No.	
Parameters  Parameters  Parameters  Parameters  PH-DRO (C10-C28) PH-DRO (C28-C35)  PH-GRO (C28-C35)  Paretracosane (S) P-Terphenyl (S)  Passoline Range Organics  PH-GRO  Surrogates  PH-GRO  Surrogates	Results  Analytical Methodology Pace Analytical ND ND 160 74 Analytical Methodology Pace Analytical ND ND ND ND	units  Units  Hod: EPA 80° al Services - I  mg/kg  mg/kg  %  hod: EPA 80° al Services - I  mg/kg	Report Limit  Report Limit  15B Preparation Me Kansas City  10.7  10.7  31-152  46-130  15B Preparation Me Kansas City  12.0	mple s  DF  thod: E	Prepared  Prepared  PA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B  09/03/21 17:41	09/06/21 14:17 09/06/21 14:17 09/06/21 14:17 09/06/21 14:17 09/06/21 14:17	CAS No. 646-31-1 92-94-4	
Parameters  Parameters  Parameters  Parameters  PH-DRO (C10-C28) PH-DRO (C28-C35)  PH-GRO (C28-C35)  Paretracosane (S) P-Terphenyl (S)  Passoline Range Organics  PH-GRO  Surrogates  PH-GRO  Surrogates	Results  Analytical Metl Pace Analytica  ND ND  160 74  Analytical Metl Pace Analytical	units  Units  Hod: EPA 80° al Services - I  mg/kg  mg/kg  %  %  hod: EPA 80° al Services - I	Report Limit  Report Limit  ISB Preparation Me Kansas City  10.7  10.7  31-152  46-130  ISB Preparation Me Kansas City	mple s  DF  thod: E	Prepared  Prepared  PA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B  09/03/21 17:41	09/06/21 14:17 09/06/21 14:17 09/06/21 14:17 09/06/21 14:17	CAS No. 646-31-1 92-94-4	
Results reported on a "dry weighted Parameters  8015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates 1-Tetracosane (S) 1-Tetracosane (S) 1-Terphenyl (S)  Gasoline Range Organics  TPH-GRO Surrogates 1-Bromofluorobenzene (S)	Results  Analytical Methodology Pace Analytical ND ND 160 74 Analytical Methodology Pace Analytical ND ND 95	units  Units  Hod: EPA 80° al Services - I  mg/kg  mg/kg  %  hod: EPA 80° al Services - I  mg/kg	Report Limit  Report Limit  15B Preparation Me Kansas City  10.7  10.7  31-152  46-130  15B Preparation Me Kansas City  12.0	mple s  DF  thod: E	Prepared  Prepared  Prepared  PA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B  09/03/21 17:41 09/03/21 17:41	09/06/21 14:17 09/06/21 14:17 09/06/21 14:17 09/06/21 14:17 09/06/21 14:17	CAS No. 646-31-1 92-94-4	
Results reported on a "dry weight Parameters  8015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates FTEtracosane (S) FTetracosane (S) FTetracosane (S) FTETROSANE Organics  FPH-GRO Surrogates	Results  Analytical Methodology Pace Analytical ND ND 160 74 Analytical Methodology Pace Analytical ND ND 95	units  Units  Hod: EPA 80° al Services - I  mg/kg  mg/kg  %  hod: EPA 80° al Services - I  mg/kg  hod: EPA 80°  hod: EPA 80°	Report Limit  Report Limit  15B Preparation Me  Kansas City  10.7 10.7 31-152 46-130  15B Preparation Me  Kansas City  12.0 63-121  50B Preparation Me	mple s  DF  thod: E	Prepared  Prepared  Prepared  PA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B  09/03/21 17:41 09/03/21 17:41	09/06/21 14:17 09/06/21 14:17 09/06/21 14:17 09/06/21 14:17 09/06/21 14:17	CAS No. 646-31-1 92-94-4	
Results reported on a "dry weight Parameters  8015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates h-Tetracosane (S) b-Terphenyl (S)  Gasoline Range Organics  FPH-GRO Surrogates h-Bromofluorobenzene (S)  8260B MSV 5035A Low Level	Results  Analytical Methodology  Analytical Methodology  Analytical Methodology  160 74  Analytical Methodology  Analytical Methodology  95  Analytical Methodology  Pace Analytical Methodology  95  Analytical Methodology	units  Units  Hod: EPA 80° al Services - I  mg/kg  mg/kg  %  hod: EPA 80° al Services - I  mg/kg  mg/kg	Report Limit  Report Limit  15B Preparation Me  Kansas City  10.7  10.7  31-152  46-130  15B Preparation Me  Kansas City  12.0  63-121  60B Preparation Me  Kansas City	mple s  DF  thod: E  1  1  thod: E  1  thod: E	Prepared  Prepared  Prepared  EPA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 EPA 5035A/5030B  09/03/21 17:41 09/03/21 17:41  EPA 5035A/5030B	09/06/21 14:17 09/06/21 14:17 09/06/21 14:17 09/06/21 14:17 09/06/21 14:17 09/04/21 08:47	CAS No. 646-31-1 92-94-4	
Results reported on a "dry weighter Parameters  8015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35)  Surrogates  1-Tetracosane (S)  1-Terphenyl (S)  Gasoline Range Organics  FPH-GRO  Surrogates  1-Bromofluorobenzene (S)  8260B MSV 5035A Low Level	Results  Analytical Methodology Pace Analytical ND ND 160 74 Analytical Methodology Pace Analytical ND 95 Analytical Methodology Pace Analytical ND Pace Analytical ND	units  Units  Hod: EPA 80°  al Services - I  mg/kg  mg/kg  %  hod: EPA 80°  mg/kg  mg/kg  hod: EPA 80°  al Services - I  mg/kg	Report Limit Repor	mple s  DF  thod: E  1  1  thod: E  1  thod: E	Prepared Prepared  Prepared  Prepared  PA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B  09/03/21 17:41 09/03/21 17:41  PA 5035A/5030B  09/03/21 15:07	09/06/21 14:17 09/06/21 14:17 09/06/21 14:17 09/06/21 14:17 09/06/21 14:17 09/04/21 08:47 09/04/21 08:47	CAS No.  646-31-1 92-94-4  460-00-4	
Results reported on a "dry weighter Parameters  8015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35)  Surrogates -Tetracosane (S) -Terphenyl (S)  Gasoline Range Organics  FPH-GRO  Surrogates -Bromofluorobenzene (S)  8260B MSV 5035A Low Level  Genzene Ethylbenzene	Results  Analytical Methodology Pace Analytical ND ND 160 74 Analytical Methodology Pace Analytical ND 95 Analytical Methodology Pace Analytical ND ND ND ND ND ND ND	units  Units  Hod: EPA 80°  al Services - I  mg/kg  mg/kg  %  hod: EPA 80°  al Services - I  mg/kg  wg/kg  ug/kg  ug/kg  ug/kg	Report Limit Repor	mple s  DF  thod: E  1  1  thod: E  1  thod: E	Prepared  Prepared  Prepared  PA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 EPA 5035A/5030B  09/03/21 17:41 09/03/21 17:41  EPA 5035A/5030B  09/03/21 15:07 09/03/21 15:07	09/06/21 14:17 09/06/21 14:17 09/06/21 14:17 09/06/21 14:17 09/06/21 14:17 09/04/21 08:47 09/04/21 08:47	CAS No.  646-31-1 92-94-4  460-00-4  71-43-2 100-41-4	
Results reported on a "dry weighted Parameters  8015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates F-Tetracosane (S) F-Tetracosane (S) F-Terphenyl (S)  Gasoline Range Organics  FPH-GRO Surrogates F-Bromofluorobenzene (S) F-Bromofluorobenzene (S)  8260B MSV 5035A Low Level  Genzene Ethylbenzene Foluene	Results  Analytical Methodology Pace Analytical ND ND 160 74 Analytical Methodology Pace Analytical ND 95 Analytical Methodology Pace Analytical ND ND ND ND ND ND ND	units  Units  Hod: EPA 80°  al Services - I  mg/kg  mg/kg  %  hod: EPA 80°  al Services - I  mg/kg  ug/kg  ug/kg  ug/kg  ug/kg	Report Limit  Report Limit  15B Preparation Me  Kansas City  10.7  10.7  31-152  46-130  15B Preparation Me  Kansas City  12.0  63-121  60B Preparation Me  Kansas City  6.0  6.0  6.0  6.0	mple s  DF  thod: E  1  1  thod: E  1  thod: E	Prepared Prepared  Prepared  PRA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 EPA 5035A/5030B  09/03/21 17:41 09/03/21 17:41  EPA 5035A/5030B  09/03/21 15:07 09/03/21 15:07 09/03/21 15:07	09/06/21 14:17 09/06/21 14:17 09/06/21 14:17 09/06/21 14:17 09/06/21 14:17 09/04/21 08:47 09/04/21 08:47 09/04/21 03:28 09/04/21 03:28 09/04/21 03:28	CAS No.  646-31-1 92-94-4  460-00-4  71-43-2 100-41-4 108-88-3	
Sample: BOTTOMHOLE-7(4') Results reported on a "dry weight Parameters  B015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) p-Terphenyl (S) Gasoline Range Organics  FPH-GRO Surrogates 4-Bromofluorobenzene (S) B260B MSV 5035A Low Level  Benzene Ethylbenzene Foluene Kylene (Total) Surrogates	Results  Analytical Methodology Pace Analytical ND ND 160 74 Analytical Methodology Pace Analytical ND 95 Analytical Methodology Pace Analytical ND ND ND ND ND ND ND	units  Units  Hod: EPA 80°  al Services - I  mg/kg  mg/kg  %  hod: EPA 80°  al Services - I  mg/kg  wg/kg  ug/kg  ug/kg  ug/kg	Report Limit Repor	mple s  DF  thod: E  1  1  thod: E  1  thod: E	Prepared Prepared  Prepared  PRA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 EPA 5035A/5030B  09/03/21 17:41 09/03/21 17:41  EPA 5035A/5030B  09/03/21 15:07 09/03/21 15:07 09/03/21 15:07	09/06/21 14:17 09/06/21 14:17 09/06/21 14:17 09/06/21 14:17 09/06/21 14:17 09/04/21 08:47 09/04/21 08:47	CAS No.  646-31-1 92-94-4  460-00-4  71-43-2 100-41-4 108-88-3	

# **REPORT OF LABORATORY ANALYSIS**

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Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

Sample: BOTTOMHOLE-7(4')	Lab ID: 603	79264028	Collected: 09/01/2	21 14:00	Received: 09	/03/21 09:00 N	latrix: Solid	
Results reported on a "dry weight	" basis and are adj	usted for p	ercent moisture, sa	mple s	ize and any dilut	tions.		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
2260B MSV 5035A Low Level	Analytical Meth Pace Analytica		60B Preparation Me Kansas City	ethod: E	PA 5035A/5030B			
Surrogates 4-Bromofluorobenzene (S) 1,2-Dichlorobenzene-d4 (S)	104 99	% %	83-119 80-120	1 1		09/04/21 03:28 09/04/21 03:28		
Percent Moisture	Analytical Meth	nod: ASTM [	D2974					
	Pace Analytica	l Services -	Kansas City					
Percent Moisture	10.2	%	0.50	1		09/03/21 15:59		
9056 IC Anions	Analytical Meth Pace Analytica		56 Preparation Metl Kansas City	nod: EP	A 9056			
Chloride	ND	mg/kg	109	10	09/04/21 08:59	09/07/21 08:59	16887-00-6	
Results reported on a "dry weight	" basis and are adi	fau n		mnla a	!	liana		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
Parameters	Results	Units	Report Limit  15B Preparation Me	DF	Prepared		CAS No.	Qua
	Results  Analytical Meth	Units	Report Limit  15B Preparation Me	DF	Prepared PA 3546		CAS No.	Qua
Parameters  8015B Diesel Range Organics  TPH-DRO (C10-C28)  TPH-ORO (C28-C35)	Analytical Methodology Pace Analytica	Units nod: EPA 80 Il Services -	Report Limit  15B Preparation Me Kansas City	DF ethod: E	Prepared PA 3546 09/03/21 14:52	Analyzed	CAS No.	Qua
Parameters  8015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35)  Surrogates	Analytical Methodology Pace Analytical ND ND	Units  nod: EPA 80 Il Services - mg/kg mg/kg	Report Limit  15B Preparation Me Kansas City  10.6 10.6	DF ethod: E	Prepared PA 3546 09/03/21 14:52 09/03/21 14:52	Analyzed  09/06/21 14:25 09/06/21 14:25		Qua
Parameters  1015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates 1-Tetracosane (S)	Analytical Methodology Pace Analytical ND	Units  nod: EPA 80  I Services -  mg/kg	Report Limit  15B Preparation Me Kansas City  10.6	DF ethod: E	Prepared  PA 3546  09/03/21 14:52  09/03/21 14:52	Analyzed 09/06/21 14:25	646-31-1	Qua
Parameters  8015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) FURDER OF CASE OF	Analytical Meth Pace Analytica ND ND 95 71	Units  nod: EPA 80  Il Services -  mg/kg  mg/kg  %  %	Report Limit  15B Preparation Me Kansas City  10.6 10.6 31-152	DF ethod: E	Prepared  PA 3546  09/03/21 14:52 09/03/21 14:52  09/03/21 14:52 09/03/21 14:52	Analyzed  09/06/21 14:25 09/06/21 14:25  09/06/21 14:25 09/06/21 14:25	646-31-1	Qua
Parameters  8015B Diesel Range Organics  FPH-DRO (C10-C28) FPH-ORO (C28-C35) Surrogates n-Tetracosane (S) D-Terphenyl (S)	Analytical Meth Pace Analytica ND ND 95 71	Units  nod: EPA 80 Il Services -  mg/kg  mg/kg  %  % nod: EPA 80	Report Limit  15B Preparation Me Kansas City  10.6 10.6 31-152 46-130  15B Preparation Me	DF ethod: E	Prepared  PA 3546  09/03/21 14:52 09/03/21 14:52  09/03/21 14:52 09/03/21 14:52	Analyzed  09/06/21 14:25 09/06/21 14:25  09/06/21 14:25 09/06/21 14:25	646-31-1	Qua
Parameters  3015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates 1-Tetracosane (S) 0-Terphenyl (S) Gasoline Range Organics  TPH-GRO	Analytical Methodology Pace Analytical ND ND 95 71 Analytical Methodology	Units  nod: EPA 80 Il Services -  mg/kg  mg/kg  %  % nod: EPA 80	Report Limit  15B Preparation Me Kansas City  10.6 10.6 31-152 46-130  15B Preparation Me	DF ethod: E	Prepared  PA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B	Analyzed  09/06/21 14:25 09/06/21 14:25  09/06/21 14:25 09/06/21 14:25	646-31-1	Qua
Parameters  1015B Diesel Range Organics  17PH-DRO (C10-C28) 17PH-ORO (C28-C35) 17PH-ORO (C28-C35) 17PH-GRO (C28-C35) 17PH-GRO	Analytical Mether Pace Analytical ND ND 95 71 Analytical Mether Pace Analytical Me	Units  nod: EPA 80 Il Services - mg/kg mg/kg % % nod: EPA 80	Report Limit  15B Preparation Me Kansas City  10.6 10.6 31-152 46-130  15B Preparation Me Kansas City	DF ethod: E	Prepared  PA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B  09/03/21 17:41	Analyzed  09/06/21 14:25 09/06/21 14:25 09/06/21 14:25 09/06/21 14:25	646-31-1 92-94-4	Qua
Parameters  3015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates n-Tetracosane (S) D-Terphenyl (S)  Gasoline Range Organics  TPH-GRO Surrogates I-Bromofluorobenzene (S)	Analytical Meth Pace Analytical ND ND 95 71 Analytical Meth Pace Analytical ND	Units  nod: EPA 80 Il Services - mg/kg mg/kg % nod: EPA 80 Il Services - mg/kg % nod: EPA 80	Report Limit  15B Preparation Me Kansas City  10.6 10.6 31-152 46-130  15B Preparation Me Kansas City  11.6 63-121  60B Preparation Me	DF ethod: E	Prepared  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B  09/03/21 17:41 09/03/21 17:41	Analyzed  09/06/21 14:25 09/06/21 14:25 09/06/21 14:25 09/06/21 14:25 09/04/21 09:32	646-31-1 92-94-4	Qua
Parameters  3015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates 1-Tetracosane (S) 1-Terphenyl (S) Gasoline Range Organics  TPH-GRO Surrogates 1-Bromofluorobenzene (S) 3260B MSV 5035A Low Level	Results  Analytical Methodology Pace Analytical ND 95 71  Analytical Methodology Pace Analytical ND 92  Analytical Methodology	Units  nod: EPA 80 Il Services - mg/kg mg/kg % nod: EPA 80 Il Services - mg/kg % nod: EPA 80	Report Limit  15B Preparation Me Kansas City  10.6 10.6 31-152 46-130  15B Preparation Me Kansas City  11.6 63-121  60B Preparation Me	DF ethod: E	Prepared  PA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B  09/03/21 17:41 09/03/21 17:41 PA 5035A/5030B	Analyzed  09/06/21 14:25 09/06/21 14:25 09/06/21 14:25 09/06/21 14:25 09/04/21 09:32	646-31-1 92-94-4 460-00-4	Qua
Parameters  2015B Diesel Range Organics  EPH-DRO (C10-C28) EPH-ORO (C28-C35) EPH-ORO (C28-C35) EPH-ORO (C28-C35) EPH-GRO (C28-C35) EPH-GRO (C38-C35) EPH-GRO	Analytical Meth Pace Analytical ND ND 95 71 Analytical Meth Pace Analytical ND 92 Analytical Meth Pace Analytical Meth Pace Analytical ND ND ND	Units  nod: EPA 80 Il Services - mg/kg mg/kg % nod: EPA 80 Il Services - mg/kg % li Services - ug/kg ug/kg	Report Limit  15B Preparation Me Kansas City  10.6 10.6 31-152 46-130  15B Preparation Me Kansas City  11.6 63-121  60B Preparation Me Kansas City  5.8 5.8	DF ethod: E	Prepared  PA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B  09/03/21 17:41 09/03/21 17:41 PA 5035A/5030B  09/03/21 15:07 09/03/21 15:07	Analyzed  09/06/21 14:25 09/06/21 14:25 09/06/21 14:25 09/06/21 14:25  09/04/21 09:32  09/04/21 09:32  09/04/21 03:48 09/04/21 03:48	646-31-1 92-94-4 460-00-4 71-43-2 100-41-4	Qua
Parameters  2015B Diesel Range Organics  EPH-DRO (C10-C28) EPH-ORO (C28-C35) EPH-ORO (C28-C35) En-Tetracosane (S) E-Terphenyl (S) Esasoline Range Organics  EPH-GRO Eurrogates E-Bromofluorobenzene (S) E260B MSV 5035A Low Level  Esenzene Ethylbenzene Foluene	Analytical Meth Pace Analytical ND ND 95 71 Analytical Meth Pace Analytical ND 92 Analytical Meth Pace Analytical ND ND ND ND ND ND	Units  nod: EPA 80 Il Services - mg/kg mg/kg % nod: EPA 80 Il Services - mg/kg % li Services - ug/kg ug/kg ug/kg	Report Limit  15B Preparation Me Kansas City  10.6 10.6 31-152 46-130  15B Preparation Me Kansas City  11.6 63-121  60B Preparation Me Kansas City  5.8 5.8 5.8	DF ethod: E	Prepared  PA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B  09/03/21 17:41 09/03/21 17:41 PA 5035A/5030B  09/03/21 15:07 09/03/21 15:07 09/03/21 15:07	Analyzed  09/06/21 14:25 09/06/21 14:25 09/06/21 14:25 09/06/21 14:25  09/04/21 09:32  09/04/21 09:32  09/04/21 03:48 09/04/21 03:48 09/04/21 03:48	646-31-1 92-94-4 460-00-4 71-43-2 100-41-4 108-88-3	Qua
Parameters  3015B Diesel Range Organics  TPH-DRO (C10-C28) TPH-ORO (C28-C35) Surrogates 1-Tetracosane (S) 1-Terphenyl (S) Gasoline Range Organics  TPH-GRO Surrogates 1-Bromofluorobenzene (S) 3260B MSV 5035A Low Level  Genzene Ethylbenzene Toluene Kylene (Total)	Analytical Meth Pace Analytical ND ND 95 71 Analytical Meth Pace Analytical ND 92 Analytical Meth Pace Analytical Meth Pace Analytical ND ND ND	Units  nod: EPA 80 Il Services - mg/kg mg/kg % nod: EPA 80 Il Services - mg/kg % li Services - ug/kg ug/kg	Report Limit  15B Preparation Me Kansas City  10.6 10.6 31-152 46-130  15B Preparation Me Kansas City  11.6 63-121  60B Preparation Me Kansas City  5.8 5.8	DF ethod: E	Prepared  PA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B  09/03/21 17:41 09/03/21 17:41 PA 5035A/5030B  09/03/21 15:07 09/03/21 15:07 09/03/21 15:07	Analyzed  09/06/21 14:25 09/06/21 14:25 09/06/21 14:25 09/06/21 14:25  09/04/21 09:32  09/04/21 09:32  09/04/21 03:48 09/04/21 03:48	646-31-1 92-94-4 460-00-4 71-43-2 100-41-4 108-88-3	Qua
Parameters  2015B Diesel Range Organics  2PH-DRO (C10-C28) 2PH-ORO (C28-C35) 2PH-ORO (C28-C35) 2PH-ORO (C28-C35) 2PH-GRO (C28-C35) 2PH-GRO (C38-C35) 2PH-DRO	Analytical Meth Pace Analytical ND ND 95 71 Analytical Meth Pace Analytical ND 92 Analytical Meth Pace Analytical ND ND ND ND ND ND	Units  nod: EPA 80 Il Services - mg/kg mg/kg % nod: EPA 80 Il Services - mg/kg % li Services - ug/kg ug/kg ug/kg	Report Limit  15B Preparation Me Kansas City  10.6 10.6 31-152 46-130  15B Preparation Me Kansas City  11.6 63-121  60B Preparation Me Kansas City  5.8 5.8 5.8	DF ethod: E	Prepared  PA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B  09/03/21 17:41 09/03/21 17:41 PA 5035A/5030B  09/03/21 15:07 09/03/21 15:07 09/03/21 15:07	Analyzed  09/06/21 14:25 09/06/21 14:25 09/06/21 14:25 09/06/21 14:25  09/04/21 09:32  09/04/21 09:32  09/04/21 03:48 09/04/21 03:48 09/04/21 03:48	646-31-1 92-94-4 460-00-4 71-43-2 100-41-4 108-88-3 1330-20-7	Qua
Parameters  3015B Diesel Range Organics  TPH-DRO (C10-C28)	Analytical Meth Pace Analytical ND ND 92 Analytical Meth Pace Analytical ND	Units  nod: EPA 80 Il Services - mg/kg mg/kg % nod: EPA 80 Il Services - mg/kg % ll Services - ug/kg ug/kg ug/kg ug/kg	Report Limit  15B Preparation Me Kansas City  10.6 10.6 31-152 46-130  15B Preparation Me Kansas City  11.6 63-121  60B Preparation Me Kansas City  5.8 5.8 17.4	DF ethod: E	Prepared  PA 3546  09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 09/03/21 14:52 PA 5035A/5030B  09/03/21 17:41 09/03/21 17:41 PA 5035A/5030B  09/03/21 15:07 09/03/21 15:07 09/03/21 15:07 09/03/21 15:07	Analyzed  09/06/21 14:25 09/06/21 14:25 09/06/21 14:25 09/06/21 14:25  09/04/21 09:32  09/04/21 09:32  09/04/21 03:48 09/04/21 03:48 09/04/21 03:48 09/04/21 03:48	646-31-1 92-94-4 460-00-4 71-43-2 100-41-4 108-88-3 1330-20-7 2037-26-5	Qua

# **REPORT OF LABORATORY ANALYSIS**

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Project: 212-MD-02572, TASK 104

ace Project No.: 60379264								
ample: BOTTOMHOLE-8(4')	Lab ID: 603		Collected: 09/01/2				fatrix: Solid	
esults reported on a "dry weight	t" basis and are adj	usted for p	ercent moisture, sa	mple s	ize and any dilu	tions.		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
ercent Moisture	Analytical Meth	nod: ASTM I	D2974					
	Pace Analytica	l Services -	Kansas City					
ercent Moisture	8.0	%	0.50	1		09/03/21 15:59		
056 IC Anions	Analytical Meth	nod: EPA 90	56 Preparation Meth	nod: EP	A 9056			
	Pace Analytica	l Services -	Kansas City					
hloride	281	mg/kg	109	10	09/04/21 08:59	09/07/21 09:10	16887-00-6	
omple: POTTOMHOLE 0/4"\	Lab ID: 603	70264020	Callostad: 00/01/2	1 11.00	Received: 09	V/02/21 00:00 N	Matrix: Solid	
ample: BOTTOMHOLE-9(4') esults reported on a "dry weight			Collected: 09/01/2				iatrix. Solid	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
, a.a.noto.e								
015B Diesel Range Organics	Analytical Meth	nod: EPA 80	15B Preparation Me	thod: E	PA 3546			
	Pace Analytica	l Services -	Kansas City					
PH-DRO (C10-C28)	ND	mg/kg	10.3	1	09/03/21 14:52	09/06/21 14:33		
PH-ORO (C28-C35)	ND	mg/kg	10.3	1	09/03/21 14:52	09/06/21 14:33		
urrogates								
-Tetracosane (S)	151	%	31-152	1		09/06/21 14:33		
-Terphenyl (S)	77	%	46-130	1	09/03/21 14:52	09/06/21 14:33	92-94-4	
asoline Range Organics	Analytical Meth	nod: EPA 80	15B Preparation Me	thod: E	PA 5035A/5030B			
	Pace Analytica	I Services -	Kansas City					
PH-GRO	ND	mg/kg	12.0	1	09/03/21 17:41	09/04/21 09:47		
urrogates		3 3						
-Bromofluorobenzene (S)	91	%	63-121	1	09/03/21 17:41	09/04/21 09:47	460-00-4	
260B MSV 5035A Low Level	Analytical Meth	nod: EPA 82	260B Preparation Me	thod: E	PA 5035A/5030B			
	Pace Analytica							
enzene	ND	ug/kg	6.0	1	00/03/21 15:07	09/04/21 04:08	71_/3_2	
thylbenzene	ND	ug/kg ug/kg	6.0	1		09/04/21 04:08		
oluene	ND	ug/kg	6.0	1		09/04/21 04:08		
ylene (Total)	ND	ug/kg	18.0	1		09/04/21 04:08		
urrogates								
oluene-d8 (S)	109	%	80-120	1		09/04/21 04:08		
-Bromofluorobenzene (S)	104	%	83-119	1		09/04/21 04:08		
2-Dichlorobenzene-d4 (S)	97	%	80-120	1	09/03/21 15:07	09/04/21 04:08	2199-69-1	
ercent Moisture	Analytical Meth	nod: ASTM I	D2974					
	Pace Analytica	l Services -	Kansas City					
ercent Moisture	9.0	%	0.50	1		09/03/21 15:59		
056 IC Anions	Analytical Meth	nod: EPA 90	56 Preparation Meth	nod: EP	A 9056			
	Pace Analytica		•	· · -·				
blorido	-			10	00/04/24 00:50	00/07/24 00:24	16007 00 6	
hloride	235	mg/kg	107	10	09/04/21 06:59	09/07/21 09:21	0-001-0001	

# **REPORT OF LABORATORY ANALYSIS**

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Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

4-Bromofluorobenzene (S)

QC Batch: 741803 Analysis Method: EPA 8015B

%

QC Batch Method: EPA 5035A/5030B Analysis Description: Gasoline Range Organics

Laboratory: Pace Analytical Services - Kansas City

98

63-121

Associated Lab Samples: 60379264001, 60379264002, 60379264003, 60379264004, 60379264005, 60379264006, 60379264007,

60379264008, 60379264009, 60379264010, 60379264011, 60379264012, 60379264013, 60379264014, 60379264015, 60379264016, 60379264017, 60379264018, 60379264019, 60379264020

METHOD BLANK: 2972576 Matrix: Solid

Associated Lab Samples: 60379264001, 60379264002, 60379264003, 60379264004, 60379264005, 60379264006, 60379264007,

60379264008, 60379264009, 60379264010, 60379264011, 60379264012, 60379264013, 60379264014,

60379264015, 60379264016, 60379264017, 60379264018, 60379264019, 60379264020

Blank Reporting Result Limit Qualifiers Parameter Units Analyzed TPH-GRO ND 09/03/21 20:41 mg/kg 10.0 63-121 09/03/21 20:41 4-Bromofluorobenzene (S) % 96

LABORATORY CONTROL SAMPLE: 2972577 LCS LCS Spike % Rec % Rec Parameter Units Conc. Result Limits Qualifiers TPH-GRO mg/kg 50 43.0 86 71-107

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#### REPORT OF LABORATORY ANALYSIS

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Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

QC Batch: 741804 Analysis Method: EPA 8015B

QC Batch Method: EPA 5035A/5030B Analysis Description: Gasoline Range Organics

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60379264021, 60379264022, 60379264023, 60379264024, 60379264025, 60379264026, 60379264027,

60379264028, 60379264029, 60379264030

METHOD BLANK: 2972579 Matrix: Solid

Associated Lab Samples: 60379264021, 60379264022, 60379264023, 60379264024, 60379264025, 60379264026, 60379264027,

60379264028, 60379264029, 60379264030

Blank Reporting Parameter Units Result Qualifiers Limit Analyzed TPH-GRO mg/kg ND 10.0 09/04/21 03:44 95 09/04/21 03:44 4-Bromofluorobenzene (S) % 63-121

LABORATORY CONTROL SAMPLE: 2972580

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	50	37.4	75	71-107	
4-Bromofluorobenzene (S)	%			97	63-121	

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Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

METHOD BLANK: 2972507

QC Batch: 741784 Analysis Method: EPA 8260B

QC Batch Method: EPA 5035A/5030B Analysis Description: 8260B MSV 5035A Low Level

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60379264001, 60379264002, 60379264003, 60379264004, 60379264005, 60379264006, 60379264007,

Associated Lab Samples: 60379264001, 60379264002, 60379264003, 60379264004, 60379264005, 60379264006, 60379264007,

 $60379264008,\,60379264009,\,60379264010,\,60379264011,\,60379264012,\,60379264013$ 

60379264008, 60379264009, 60379264010, 60379264011, 60379264012, 60379264013

Matrix: Solid

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
Benzene	ug/kg	ND	5.0	09/03/21 10:00	
Ethylbenzene	ug/kg	ND	5.0	09/03/21 10:00	
Toluene	ug/kg	ND	5.0	09/03/21 10:00	
Xylene (Total)	ug/kg	ND	15.0	09/03/21 10:00	
1,2-Dichlorobenzene-d4 (S)	%	98	80-120	09/03/21 10:00	
4-Bromofluorobenzene (S)	%	105	83-119	09/03/21 10:00	
Toluene-d8 (S)	%	109	80-120	09/03/21 10:00	

LABORATORY CONTROL SAMPLE:	2972508					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Benzene	ug/kg	1250	1260	101	67-126	
Ethylbenzene	ug/kg	1250	1290	103	69-127	
Toluene	ug/kg	1250	1210	96	80-118	
Xylene (Total)	ug/kg	3750	3980	106	69-130	
1,2-Dichlorobenzene-d4 (S)	%			98	80-120	
4-Bromofluorobenzene (S)	%			103	83-119	
Toluene-d8 (S)	%			100	80-120	

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Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

QC Batch: 741786 Analysis Method: EPA 8260B

QC Batch Method: EPA 5035A/5030B Analysis Description: 8260B MSV 5035A Low Level

> Pace Analytical Services - Kansas City Laboratory:

60379264014, 60379264015, 60379264016, 60379264017, 60379264018, 60379264019, 60379264020, Associated Lab Samples:

60379264021, 60379264022, 60379264023, 60379264024, 60379264025, 60379264026, 60379264027,

60379264028, 60379264029, 60379264030

METHOD BLANK: 2972512 Matrix: Solid

60379264014, 60379264015, 60379264016, 60379264017, 60379264018, 60379264019, 60379264020,Associated Lab Samples:

60379264021, 60379264022, 60379264023, 60379264024, 60379264025, 60379264026, 60379264027,

60379264028, 60379264029, 60379264030

	Blank	Reporting		
Units	Result	Limit	Analyzed	Qualifiers
ug/kg	ND	5.0	09/03/21 22:25	
ug/kg	ND	5.0	09/03/21 22:25	
ug/kg	ND	5.0	09/03/21 22:25	
ug/kg	ND	15.0	09/03/21 22:25	
%	97	80-120	09/03/21 22:25	
%	105	83-119	09/03/21 22:25	
%	109	80-120	09/03/21 22:25	
	ug/kg ug/kg ug/kg ug/kg %	Units Result  ug/kg ND ug/kg ND ug/kg ND ug/kg ND % 97 % 105	Units         Result         Limit           ug/kg         ND         5.0           ug/kg         ND         5.0           ug/kg         ND         5.0           ug/kg         ND         15.0           %         97         80-120           %         105         83-119	Units         Result         Limit         Analyzed           ug/kg         ND         5.0         09/03/21 22:25           ug/kg         ND         5.0         09/03/21 22:25           ug/kg         ND         5.0         09/03/21 22:25           ug/kg         ND         15.0         09/03/21 22:25           %         97         80-120         09/03/21 22:25           %         105         83-119         09/03/21 22:25

LABORATORY CONTROL SAMPLE:	2972513					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Benzene	ug/kg	1250	1200	96	67-126	
Ethylbenzene	ug/kg	1250	1210	97	69-127	
Toluene	ug/kg	1250	1130	91	80-118	
Xylene (Total)	ug/kg	3750	3730	99	69-130	
1,2-Dichlorobenzene-d4 (S)	%			98	80-120	
4-Bromofluorobenzene (S)	%			103	83-119	
Toluene-d8 (S)	%			100	80-120	

MATRIX SPIKE & MATRIX SP	IKE DUPI	LICATE: 2972	514		2972515							
Parameter	Units	60379264030 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	ND	1450	1430	1410	1380	97	97	17-134	2	53	
Ethylbenzene	ug/kg	ND	1450	1430	1390	1380	96	97	10-137	1	60	
Toluene	ug/kg	ND	1450	1430	1310	1310	90	92	13-131	0	60	
Xylene (Total)	ug/kg	ND	4350	4290	4270	4120	98	96	10-137	4	58	
1,2-Dichlorobenzene-d4 (S)	%						95	97	80-120			
4-Bromofluorobenzene (S)	%						101	103	83-119			
Toluene-d8 (S)	%						100	100	80-120			

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Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

LABORATORY CONTROL SAMPLE

QC Batch: 741768 Analysis Method: EPA 8015B
QC Batch Method: EPA 3546 Analysis Description: EPA 8015B

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60379264001, 60379264002, 60379264003, 60379264004, 60379264005, 60379264006, 60379264007,

60379264008, 60379264009, 60379264010, 60379264011, 60379264012, 60379264013, 60379264014, 603

60379264015, 60379264016, 60379264017, 60379264018, 60379264019, 60379264020

METHOD BLANK: 2972473 Matrix: Solid

2072474

Associated Lab Samples: 60379264001, 60379264002, 60379264003, 60379264004, 60379264005, 60379264006, 60379264007,

60379264008, 60379264009, 60379264010, 60379264011, 60379264012, 60379264013, 60379264014,

60379264015, 60379264016, 60379264017, 60379264018, 60379264019, 60379264020

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
TPH-DRO (C10-C28)	mg/kg	ND	9.9	09/06/21 09:06	
TPH-ORO (C28-C35)	mg/kg	ND	9.9	09/06/21 09:06	
n-Tetracosane (S)	%	53	31-152	09/06/21 09:06	
p-Terphenyl (S)	%	76	46-130	09/06/21 09:06	

Parameter Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO (C10-C28)	mg/kg	81.8	70.5	86	74-124	
n-Tetracosane (S)	%			47	31-152	
p-Terphenyl (S)	%			74	46-130	

MATRIX SPIKE & MATRIX S	PIKE DUPL	ICATE: 2972	475		2972476							
			MS	MSD								
		60379264001	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
TPH-DRO (C10-C28)	mg/kg	ND	178	174	147	146	81	82	30-130	1	35	
n-Tetracosane (S)	%						48	56	31-152			
p-Terphenyl (S)	%						60	69	46-130			

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Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

QC Batch: 741769 QC Batch Method: EPA 3546 Analysis Method: EPA 8015B

Analysis Description: EPA 8015B

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60379264021, 60379264022, 60379264023, 60379264024, 60379264025, 60379264026, 60379264027,

60379264028, 60379264029, 60379264030

METHOD BLANK: 2972477

LABORATORY CONTROL SAMPLE:

Matrix: Solid

Associated Lab Samples:

60379264021, 60379264022, 60379264023, 60379264024, 60379264025, 60379264026, 60379264027,

60379264028, 60379264029, 60379264030

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
TPH-DRO (C10-C28)	mg/kg	ND	9.8	09/06/21 12:49	
TPH-ORO (C28-C35)	mg/kg	ND	9.8	09/06/21 12:49	
n-Tetracosane (S)	%	72	31-152	09/06/21 12:49	
p-Terphenyl (S)	%	83	46-130	09/06/21 12:49	

LCS LCS Spike % Rec Parameter Result % Rec Limits Qualifiers Units Conc. TPH-DRO (C10-C28) 81.7 74.4 91 74-124

 TPH-DRO (C10-C28)
 mg/kg
 81.7
 74.4
 91
 74-124

 n-Tetracosane (S)
 %
 85
 31-152

 p-Terphenyl (S)
 %
 89
 46-130

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2972479 2972480

MS MSD 60379264021 MS MSD MS MSD Spike Spike % Rec Max RPD Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** Qual TPH-DRO (C10-C28) ND 178 184 161 165 88 30-130 2 35 mg/kg n-Tetracosane (S) % 81 100 31-152 p-Terphenyl (S) % 85 85 46-130

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

QC Batch: 741756 Analysis Method: ASTM D2974

QC Batch Method: ASTM D2974 Analysis Description: Dry Weight/Percent Moisture

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60379264001, 60379264002, 60379264003, 60379264004, 60379264005, 60379264006, 60379264007,

60379264008, 60379264009, 60379264010, 60379264011, 60379264012, 60379264013, 60379264014,

60379264015, 60379264016, 60379264017, 60379264018, 60379264019, 60379264020

METHOD BLANK: 2972442 Matrix: Solid

Associated Lab Samples: 60379264001, 60379264002, 60379264003, 60379264004, 60379264005, 60379264006, 60379264007,

60379264008, 60379264009, 60379264010, 60379264011, 60379264012, 60379264013, 60379264014,

60379264015, 60379264016, 60379264017, 60379264018, 60379264019, 60379264020

Blank Reporting

ParameterUnitsResultLimitAnalyzedQualifiersPercent Moisture%ND0.5009/03/21 14:49

SAMPLE DUPLICATE: 2972443

		60379264001	Dup		Max	
Parameter	Units	Result	Result	RPD	RPD	Qualifiers
Percent Moisture	%	9.9	9.9	0	20	

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Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

QC Batch: 741760 Analysis Method: ASTM D2974

QC Batch Method: ASTM D2974 Analysis Description: Dry Weight/Percent Moisture

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60379264021, 60379264022, 60379264023, 60379264024, 60379264025, 60379264026, 60379264027,

60379264028, 60379264029, 60379264030

METHOD BLANK: 2972456 Matrix: Solid

Associated Lab Samples: 60379264021, 60379264022, 60379264023, 60379264024, 60379264025, 60379264026, 60379264027,

60379264028, 60379264029, 60379264030

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

SAMPLE DUPLICATE: 2972457

ParameterUnits60378513001 ResultDup ResultRPDMax RPDQualifiersPercent Moisture%67.468.4220

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Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

QC Batch: 741788 Analysis Method: EPA 9056
QC Batch Method: EPA 9056 Analysis Description: 9056 IC Anions

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60379264001, 60379264002, 60379264003, 60379264004, 60379264005, 60379264006, 60379264007, 60379264008, 60379264009, 60379264010, 60379264011, 60379264012, 60379264013, 60379264014,

60379264015, 60379264016, 60379264017, 60379264018, 60379264019, 60379264020

METHOD BLANK: 2972518 Matrix: Solid

Associated Lab Samples: 60379264001, 60379264002, 60379264003, 60379264004, 60379264005, 60379264006, 60379264007,

60379264008, 60379264009, 60379264010, 60379264011, 60379264012, 60379264013, 60379264014,

60379264015, 60379264016, 60379264017, 60379264018, 60379264019, 60379264020

ParameterUnitsBlank Reporting ResultReporting LimitAnalyzedQualifiersChloridemg/kgND10009/04/21 13:20

LABORATORY CONTROL SAMPLE: 2972519

Spike LCS LCS % Rec

Parameter Units Conc. Result % Rec Limits Qualifiers

Chloride mg/kg 500 471 94 80-120

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2972520 2972521

MS MSD

60379264001 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits RPD Qual Chloride ND 554 505 497 79 80-120 2 15 M1 mg/kg 544 79

SAMPLE DUPLICATE: 2972522

Parameter Units 60379264001 Dup Max Result RPD Qualifiers

Chloride mg/kg ND 70.9J 15

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#### **QUALITY CONTROL DATA**

Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

Associated Lab Samples:

Chloride

QC Batch: 741789 Analysis Method: QC Batch Method: EPA 9056 Analysis Descript

Analysis Description: 9056 IC Anions

EPA 9056

Laboratory: Pace Analytical Services - Kansas City 60379264021, 60379264022, 60379264023, 60379264024, 60379264025, 60379264026, 60379264027,

60379264028, 60379264029, 60379264030

METHOD BLANK: 2972523 Matrix: Solid

Associated Lab Samples: 60379264021, 60379264022, 60379264023, 60379264024, 60379264025, 60379264026, 60379264027,

60379264028, 60379264029, 60379264030

Parameter Units Blank Reporting Result Limit Analyzed Qualifiers

mg/kg ND 100 09/04/21 18:39

LABORATORY CONTROL SAMPLE: 2972524

LCS LCS Spike % Rec Units % Rec Limits Qualifiers Parameter Conc. Result Chloride 94 mg/kg 500 472 80-120

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2972525 2972526

MS MSD

60379264021 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits RPD RPD Qual

Chloride mg/kg ND 549 551 517 523 77 78 80-120 1 15 M1

SAMPLE DUPLICATE: 2972527

 Parameter
 Units
 60379264021 Result
 Dup Result
 Max RPD
 Qualifiers

 Chloride
 mg/kg
 ND
 239
 15

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#### **QUALIFIERS**

Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

#### **DEFINITIONS**

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

**DUP - Sample Duplicate** 

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

#### **ANALYTE QUALIFIERS**

- M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
- S3 Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.

#### REPORT OF LABORATORY ANALYSIS





# **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytica Batch
60379264001	WSW-1(5')	EPA 3546	741768	EPA 8015B	741832
60379264002	SWS-1(5')	EPA 3546	741768	EPA 8015B	741832
0379264003	SWS-2(4')	EPA 3546	741768	EPA 8015B	741832
0379264004	SWS-3(4')	EPA 3546	741768	EPA 8015B	741832
0379264005	SWS-4(4')	EPA 3546	741768	EPA 8015B	741832
0379264006	SWS-5(4')	EPA 3546	741768	EPA 8015B	741832
0379264007	SWS-6(4')	EPA 3546	741768	EPA 8015B	741832
0379264008	SWS-7(4')	EPA 3546	741768	EPA 8015B	741832
0379264009	SWS-8(4')	EPA 3546	741768	EPA 8015B	741832
0379264010	NSW-1(5')	EPA 3546	741768	EPA 8015B	741832
0379264011	NSW-2(4')	EPA 3546	741768	EPA 8015B	741832
0379264012	NSW-3(4')	EPA 3546	741768	EPA 8015B	741832
0379264013	NSW-4(4')	EPA 3546	741768	EPA 8015B	741832
0379264014	NSW-5(4')	EPA 3546	741768	EPA 8015B	741832
0379264015	NSW-6(4')	EPA 3546	741768	EPA 8015B	741832
0379264016	NSW-7(4')	EPA 3546	741768	EPA 8015B	741832
0379264017	NSW-8(4')	EPA 3546	741768	EPA 8015B	741832
0379264018	ESW-1(4')	EPA 3546	741768	EPA 8015B	741832
60379264019	ESW-2(4')	EPA 3546	741768	EPA 8015B	741832
0379264020	ESW-3(4')	EPA 3546	741768	EPA 8015B	741832
0379264021	ESW-4(4')	EPA 3546	741769 741769	EPA 8015B	741833
0379264022	BOTTOMHOLE-1(5')	EPA 3546		EPA 8015B	741833
0379264023	BOTTOMHOLE-2(4')	EPA 3546	741769	EPA 8015B	741833
0379264024	BOTTOMHOLE-3(4')	EPA 3546	741769	EPA 8015B	741833
0379264025	BOTTOMHOLE-4(4')	EPA 3546	741769	EPA 8015B	741833
0379264026	BOTTOMHOLE-5(4')	EPA 3546	741769	EPA 8015B	741833
0379264027	BOTTOMHOLE-6(4')	EPA 3546	741769	EPA 8015B	741833
0379264028	BOTTOMHOLE-7(4')	EPA 3546	741769	EPA 8015B	741833
0379264029	BOTTOMHOLE-8(4')	EPA 3546	741769	EPA 8015B	741833
0379264030	BOTTOMHOLE-9(4')	EPA 3546	741769	EPA 8015B	741833
0379264001	WSW-1(5')	EPA 5035A/5030B	741803	EPA 8015B	741812
0379264002	SWS-1(5')	EPA 5035A/5030B	741803	EPA 8015B	741812
0379264003	SWS-2(4')	EPA 5035A/5030B	741803	EPA 8015B	741812
0379264004	SWS-3(4')	EPA 5035A/5030B	741803	EPA 8015B	741812
0379264005	SWS-4(4')	EPA 5035A/5030B	741803	EPA 8015B	741812
0379264006	SWS-5(4')	EPA 5035A/5030B	741803	EPA 8015B	741812
0379264007	SWS-6(4')	EPA 5035A/5030B	741803	EPA 8015B	741812
0379264008	SWS-7(4')	EPA 5035A/5030B	741803	EPA 8015B	741812
0379264009	SWS-8(4')	EPA 5035A/5030B	741803	EPA 8015B	741812
0379264010	NSW-1(5')	EPA 5035A/5030B	741803	EPA 8015B	741812
0379264011	NSW-2(4')	EPA 5035A/5030B	741803	EPA 8015B	741812
0379264012	NSW-3(4')	EPA 5035A/5030B	741803	EPA 8015B	741812
0379264013	NSW-4(4')	EPA 5035A/5030B	741803	EPA 8015B	741812
0379264014	NSW-5(4')	EPA 5035A/5030B	741803	EPA 8015B	741812
0379264015	NSW-6(4')	EPA 5035A/5030B	741803	EPA 8015B	741812
0379264016	NSW-7(4')	EPA 5035A/5030B	741803	EPA 8015B	741812
0379264017	NSW-8(4')	EPA 5035A/5030B	741803	EPA 8015B	741812
0379264018	ESW-1(4')	EPA 5035A/5030B	741803	EPA 8015B	741812

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# **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytica Batch
60379264019	ESW-2(4')	EPA 5035A/5030B	741803	EPA 8015B	741812
60379264020	ESW-3(4')	EPA 5035A/5030B	741803	EPA 8015B	741812
60379264021	ESW-4(4')	EPA 5035A/5030B	741804	EPA 8015B	741815
60379264022	BOTTOMHOLE-1(5')	EPA 5035A/5030B	741804	EPA 8015B	741815
60379264023	BOTTOMHOLE-2(4')	EPA 5035A/5030B	741804	EPA 8015B	741815
0379264024	BOTTOMHOLE-3(4')	EPA 5035A/5030B	741804	EPA 8015B	741815
0379264025	BOTTOMHOLE-4(4')	EPA 5035A/5030B	741804	EPA 8015B	741815
0379264026	BOTTOMHOLE-5(4')	EPA 5035A/5030B	741804	EPA 8015B	741815
0379264027	BOTTOMHOLE-6(4')	EPA 5035A/5030B	741804	EPA 8015B	741815
0379264028	BOTTOMHOLE-7(4')	EPA 5035A/5030B	741804	EPA 8015B	741815
0379264029	BOTTOMHOLE-8(4')	EPA 5035A/5030B	741804	EPA 8015B	741815
0379264030	BOTTOMHOLE-9(4')	EPA 5035A/5030B	741804	EPA 8015B	741815
0379264001	WSW-1(5')	EPA 5035A/5030B	741784	EPA 8260B	741806
0379264002	SWS-1(5')	EPA 5035A/5030B	741784	EPA 8260B	741806
0379264003	SWS-2(4')	EPA 5035A/5030B	741784	EPA 8260B	741806
0379264004	SWS-3(4')	EPA 5035A/5030B	741784	EPA 8260B	741806
0379264005	SWS-4(4')	EPA 5035A/5030B	741784	EPA 8260B	741806
0379264006	SWS-5(4')	EPA 5035A/5030B	741784	EPA 8260B	741806
0379264007	SWS-6(4')	EPA 5035A/5030B	741784	EPA 8260B	741806
0379264008	SWS-7(4')	EPA 5035A/5030B	741784	EPA 8260B	741806
0379264009	SWS-8(4')	EPA 5035A/5030B	741784	EPA 8260B	741806
0379264010	NSW-1(5')	EPA 5035A/5030B	741784	EPA 8260B	741806
0379264011	NSW-2(4')	EPA 5035A/5030B	741784	EPA 8260B	741806
0379264012	NSW-3(4')	EPA 5035A/5030B	741784	EPA 8260B	741806
0379264013	NSW-4(4')	EPA 5035A/5030B	741784	EPA 8260B	741806
0379264014	NSW-5(4')	EPA 5035A/5030B	741786	EPA 8260B	741810
0379264015	NSW-6(4')	EPA 5035A/5030B	741786	EPA 8260B	741810
0379264016	NSW-7(4')	EPA 5035A/5030B	741786	EPA 8260B	741810
0379264017	NSW-8(4')	EPA 5035A/5030B	741786	EPA 8260B	741810
0379264018	ESW-1(4')	EPA 5035A/5030B	741786	EPA 8260B	741810
0379264019	ESW-2(4')	EPA 5035A/5030B	741786	EPA 8260B	741810
0379264020	ESW-3(4')	EPA 5035A/5030B	741786	EPA 8260B	741810
0379264021	ESW-4(4')	EPA 5035A/5030B	741786	EPA 8260B	741810
0379264022	BOTTOMHOLE-1(5')	EPA 5035A/5030B	741786	EPA 8260B	741810
0379264023	BOTTOMHOLE-2(4')	EPA 5035A/5030B	741786	EPA 8260B	741810
0379264024	BOTTOMHOLE-3(4')	EPA 5035A/5030B	741786	EPA 8260B	741810
0379264025	BOTTOMHOLE-4(4')	EPA 5035A/5030B	741786	EPA 8260B	741810
0379264026	BOTTOMHOLE-5(4')	EPA 5035A/5030B	741786	EPA 8260B	741810
0379264027	BOTTOMHOLE-6(4')	EPA 5035A/5030B	741786	EPA 8260B	741810
0379264028	BOTTOMHOLE-7(4')	EPA 5035A/5030B	741786	EPA 8260B	741810
0379264029	BOTTOMHOLE-8(4')	EPA 5035A/5030B	741786	EPA 8260B	741810
0379264030	BOTTOMHOLE-9(4')	EPA 5035A/5030B	741786	EPA 8260B	741810
0379264001	WSW-1(5')	ASTM D2974	741756		
0379264002	SWS-1(5')	ASTM D2974	741756		
0379264003	SWS-2(4')	ASTM D2974	741756		
0379264004	SWS-3(4')	ASTM D2974	741756		
0379264005	SWS-4(4')	ASTM D2974	741756		

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# **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytica Batch
60379264006	SWS-5(4')	ASTM D2974	741756	_	
60379264007	SWS-6(4')	ASTM D2974	741756		
60379264008	SWS-7(4')	ASTM D2974	741756		
0379264009	SWS-8(4')	ASTM D2974	741756		
0379264010	NSW-1(5')	ASTM D2974	741756		
0379264011	NSW-2(4')	ASTM D2974	741756		
0379264012	NSW-3(4')	ASTM D2974	741756		
0379264013	NSW-4(4')	ASTM D2974	741756		
0379264014	NSW-5(4')	ASTM D2974	741756		
0379264015	NSW-6(4')	ASTM D2974	741756		
0379264016	NSW-7(4')	ASTM D2974	741756		
0379264017	NSW-8(4')	ASTM D2974	741756		
0379264018	ESW-1(4')	ASTM D2974	741756		
0379264019	ESW-2(4')	ASTM D2974	741756		
0379264020	ESW-3(4')	ASTM D2974	741756		
0379264021	ESW-4(4')	ASTM D2974	741760		
0379264022	BOTTOMHOLE-1(5')	ASTM D2974	741760		
0379264023	BOTTOMHOLE-2(4')	ASTM D2974	741760		
0379264024	BOTTOMHOLE-3(4')	ASTM D2974	741760		
0379264025	BOTTOMHOLE-4(4')	ASTM D2974	741760		
379264026	BOTTOMHOLE-5(4')	ASTM D2974	741760		
379264027	BOTTOMHOLE-6(4')	ASTM D2974	741760		
0379264028	BOTTOMHOLE-7(4')	ASTM D2974	741760		
0379264029	BOTTOMHOLE-8(4')	ASTM D2974	741760		
379264030	BOTTOMHOLE-9(4')	ASTM D2974	741760		
0379264001	WSW-1(5')	EPA 9056	741788	EPA 9056	741999
0379264002	SWS-1(5')	EPA 9056	741788	EPA 9056	741999
0379264003	SWS-2(4')	EPA 9056	741788	EPA 9056	741999
0379264004	SWS-3(4')	EPA 9056	741788	EPA 9056	741999
0379264005	SWS-4(4')	EPA 9056	741788	EPA 9056	741999
0379264006	SWS-5(4')	EPA 9056	741788	EPA 9056	741999
0379264007	SWS-6(4')	EPA 9056	741788	EPA 9056	741999
0379264008	SWS-7(4')	EPA 9056	741788	EPA 9056	741999
0379264009	SWS-8(4')	EPA 9056	741788	EPA 9056	741999
0379264010	NSW-1(5')	EPA 9056	741788	EPA 9056	741999
0379264011	NSW-2(4')	EPA 9056	741788	EPA 9056	741999
0379264012	NSW-3(4')	EPA 9056	741788	EPA 9056	741999
0379264013	NSW-4(4')	EPA 9056	741788	EPA 9056	741999
0379264014	NSW-5(4')	EPA 9056	741788	EPA 9056	741999
379264015	NSW-6(4')	EPA 9056	741788	EPA 9056	741999
0379264016	NSW-7(4')	EPA 9056	741788	EPA 9056	741999
0379264017	NSW-8(4')	EPA 9056	741788	EPA 9056	741999
0379264018	ESW-1(4')	EPA 9056	741788	EPA 9056	741999
0379264019	ESW-2(4')	EPA 9056	741788	EPA 9056	741999
0379264020	ESW-3(4')	EPA 9056	741788	EPA 9056	741999
0379264021	ESW-4(4')	EPA 9056	741789	EPA 9056	741998
0379264022	BOTTOMHOLE-1(5')	EPA 9056	741789	EPA 9056	741998

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### **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: 212-MD-02572, TASK 104

Pace Project No.: 60379264

Lab ID	Sample ID	QC Batch Method	QC Batch	<b>Analytical Method</b>	Batch
60379264023	BOTTOMHOLE-2(4')	EPA 9056	741789	EPA 9056	741998
60379264024	BOTTOMHOLE-3(4')	EPA 9056	741789	EPA 9056	741998
60379264025	BOTTOMHOLE-4(4')	EPA 9056	741789	EPA 9056	741998
60379264026	BOTTOMHOLE-5(4')	EPA 9056	741789	EPA 9056	741998
60379264027	BOTTOMHOLE-6(4')	EPA 9056	741789	EPA 9056	741998
60379264028	BOTTOMHOLE-7(4')	EPA 9056	741789	EPA 9056	741998
60379264029	BOTTOMHOLE-8(4')	EPA 9056	741789	EPA 9056	741998
60379264030	BOTTOMHOLE-9(4')	EPA 9056	741789	EPA 9056	741998

### **REPORT OF LABORATORY ANALYSIS**

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Date: 09/08/2021 07:43 AM



## Sample Condition Upon Receipt



Client Name: Tetra Techa Inc.		
Courier: FedEx ✓ UPS □ VIA □ Clay □	PEX 🗆 ECI 🗀	Pace ☐ Xroads ☐ Client ☐ Other ☐
Tracking #: 2832 6570 4889 Pa	ce Shipping Label Use	d? Yes □ No-■
Custody Seal on Cooler/Box Present: Yes □ No □	Seals intact: Yes [	□ No⊿
Packing Material: Bubble Wrap □ Bubble Bags	Foam 🗆	None Other 2PC
Thermometer Used: 1-26 Type o	fice: (Wet) Blue No	
Cooler Temperature (°C): As-read 5.5 Corr. Fac	tor _0.3 Correc	ted 5.2 Date and initials of person examining contents:
Temperature should be above freezing to 6°C		9-3-2160
Chain of Custody present:	Dres □No □N/A	No times on COCorcontainers
Chain of Custody relinquished:	Yes □No □N/A	
Samples arrived within holding time:	✓ Yes □No □N/A	
Short Hold Time analyses (<72hr):	□Yes No □N/A	
Rush Turn Around Time requested:	Yes ONo ON/A	24 Nr 7AT
Sufficient volume:		
Correct containers used:	✓Yes □No □N/A	
Pace containers used:	Yes □No □N/A	
Containers intact:	ZYes □No □N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	□Yes □No ₽N/A	
Filtered volume received for dissolved tests?	□Yes □No ☑N/A	1
Sample labels match COC: Date / time / ID / analyses	Yes 🗆 No 🗆 N/A	
Samples contain multiple phases? Matrix: SL	□Yes ☑No □N/A	
Containers requiring pH preservation in compliance? (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO)  LOT#	□Yes □No ØN/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
(Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO)  Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	□Yes □No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐Yes ☐No	
Trip Blank present:	□Yes □No ØN/A	
Headspace in VOA vials ( >6mm);	□Yes □No ☑N/A	
Samples from USDA Regulated Area: State: NM	Yes No ON/A	Eddy County, Received in same cooler
Additional labels attached to 5035A / TX1005 vials in the field	? □Yes □No □N/A	as USDA regulated soils.
Client Notification/ Resolution: Copy COC to	o Client? Y / N	Field Data Required? Y / N
Person Contacted: Date/1	Гіте:	_
Comments/ Resolution:		
Project Manager Review:	Date	9.

Received by OCD: Page 75 of 148 0/28/2021 2:47:06 PM рјон ō X RUSH: Same Day 24 hp 48 hr 72 hr SOISBOSY Special Report Limits or TRRP Report 7202742607 Anion/Cation Balance Seneral Water Chemistry (see attached list) Circle or Specify Method No. Sulfate SQT Shloride Rush Charges Authorized Page × × × ×  $\times$ × × × **ANALYSIS REQUEST** (Asbestos) NON CB,2 8082 / 608 8270C/625 GC/MS Semi, Vol 8560B / 624 (Circle) HAND DELIVERED FEDEX TCLP Semi Volatiles TCLP Metals Ag As Ba Cd Cr Pb Se Hg Sample Temperature LAB USE ONLY Total Metals Ag As Ba Cd Cr Pb Se Hg 52 TPH 8015M (GRO - DRO - ORO) × × × TPH TX1005 (Ext to C35) BTEX 8260B BTEX 8021B z Z z Z z z z Z z Z FILTERED (Y/N) 212C-MD-02572, Task 104 **CONTAINERS** 000 PRESERVATIVE METHOD 901 W Wall Street, Ste 100 Midland, Texas 79701 Tel (432) 682-4559 Fax (432) 682-3946 Colton Bickerstaff CE × × ×  $\times$ × × × × 925 Clair Gonzales HNO 9201 HCF MATRIX × TIOS × × × × ×  $\times$ × **A**3TAN ORIGINAL COPY TIME Day 3m pare SAMPLING Sampler Signature Site Manager 9/1/2021 9/1/2021 9/1/2021 9/1/2021 9/1/2021 9/1/2021 9/1/2021 9/1/2021 9/1/2021 9/1/2021 roject #: **BTAG** Tetra Tech, Inc. 18:15 Time Time: Cabo Wabo 24 Federal #005H Cardinal Labs/Pace Analytical SAMPLE IDENTIFICATION COG, Attention: Ike Tavarez Analysis Request of Chain of Custody Record Eddy County, New Mexico Concho/ConocoPhillips 9/1/21 9-2-21 Date: WSW-1 (5') SWS-5 (41) SWS-7 (4") SWS-1 (5') SWS-2 (4') SWS-3 (4) SWS-4 (4") SWS-6 (4") SWS-8 (4") NSW-1 (5) Receiving Laboratory: **Colton Bickerstaff** Project Location: (county, state) elinquished by elinquished by F roject Name: Slient Name: LAB# LAB USE ONLY nvoice to: WGFU Page 50 of 52 Released to Imaging

Received by OCD: Page 76 of 148 0/28/2021 2:47:06 PM PloH RUSH: Same Day 24 h 48 hr 72 hr ₫ 2 yspestos / Special Report Limits or TRRP Report Anion/Cation Balance 60379266 Seneral Water Chemistry (see attached list) Circle or Specify Method No. Sulfate Rush Charges Authorized Page × × × × × × **ANALYSIS REQUEST** PLM (Asbestos) ORM 808 / 2808 CB,2 8270C/625 SC/MS Semi\_Vol. 8260B / 624 Circle) HAND DELIVERED FEDEX REMARKS SCI TCLP Semi Volatiles TCLP Metals Ag As Ba Cd Cr Pb Se Hg Sample Temperature Total Metals Ag As Ba Cd Cr Pb Se Hg LAB USE ONLY TPH 8015M (GRO - DRO - ORO) × TX1005 (Ext to C35) Hdl BTEX 8260B BTEX 8021B z z z z z z Z Z z FILTERED (Y/N) Z 15,5 212C-MD-02572, Task 104 55.71 # CONTAINERS 0000 PRESERVATIVE METHOD 901 W Wall Street, Ste 100 Midland, Texas 79701 Tel (432) 682-4559 Fax (432) 682-3946 Colton Bickerstaff CE × × × × HNO3 Clair Gonzales 422 HCF MATRIX TIOS  $\times$ ×  $\times$ × × × **NATER** ORIGINAL COPY **TIME** SAMPLING Received by: eceived by: Site Manage 9/1/2021 9/1/2021 9/1/2021 9/1/2021 9/1/2021 9/1/2021 9/1/2021 9/1/2021 9/1/2021 9/1/2021 **DATE** Tetra Tech, Inc. R5-18:15 Time: Time: Cabo Wabo 24 Federal #005H Cardinal Labs/Pace Analytical SAMPLE IDENTIFICATION COG, Attention: Ike Tavarez Analysis Request of Chain of Custody Record Eddy County, New Mexico Concho/ConocoPhillips 9/1/21 9221 Date: NSW-4 (4') NSW-3 (4') NSW-8 (4') NSW-2 (4') NSW-5 (4') NSW-6 (4') NSW-7 (4') ESW-1 (4') ESW-2 (4') ESW-3 (4') Receiving Laboratory **Solton Bickerstaff** Relinquished by Project Location (county, state) P roject Name: LAB USE ONLY Client Name: LAB# WGF ivoice to: omments Page 51 of 52

Received by OCD: Page 77 of 148 PIOH 0/28/2021 2:47:06 PM 3 of X RUSH: Same Day 24 hr 48 hr 72 hr Special Report Limits or TRRP Report Anion/Cation Balance こっても人口の Seneral Water Chemistry (see attached list) Circle or Specify Method No. Sulfate Page Rush Charges Authorized Chloride × × × × × × × × **ANALYSIS REQUEST** (Asbestos) NORM CB,2 8082 \ 608 SC/MS Semi Vol 8270C/625 3C/W2 AOI 8560B / 624 (Circle) HAND DELIVERED FEDEX TCLP Semi Volatiles CLP Metals Ag As Ba Cd Cr Pb Se Hg Sample Temperature Total Metals Ag As Ba Cd Cr Pb Se Hg LAB USE ONLY TPH 8015M (GRO - DRO - ORO) × TPH TX1005 (Ext to C35) BTEX 8260B BTEX 8021B z z z z z Z Z FILTERED (Y/N) Z z 212C-MD-02572, Task 104 # CONTAINERS くらり PRESERVATIVE METHOD 2.2.000 901 W Wall Street, Ste 100 Midland, Texas 79701 Tel (432) 682-4559 Fax (432) 682-3946 Colton Bickerstaff ICE × × × × × × × × <sup>€</sup>ONH Clair Gonzales 9-2-2 9221 HCF MATRIX TIOS  $\times$ × **MATER** ORIGINAL COPY Bruism Prave TIME SAMPLING Sampler Signature: test the Site Manager 9/1/2021 9/1/2021 9/1/2021 9/1/2021 9/1/2021 9/1/2021 9/1/2021 9/1/2021 9/1/2021 9/1/2021 Project # **BTAG** Tetra Tech, Inc. 6.5 18:15 Time: Cabo Wabo 24 Federal #005H Cardinal Labs/Pace Analytical SAMPLE IDENTIFICATION COG, Attention: Ike Tavarez Eddy County, New Mexico Analysis Request of Chain of Custody Record hConcho/ConocoPhillips 9/1/21 Date: Bottomhole-8 (4') Bottomhole-2 (4') Bottomhole-6 (4') Bottomhole-7 (4") Bottomhole-1 (5') Bottomhole-3 (4') Bottomhole-4 (4') Bottomhole-5 (4') Bottomhole-9 (4") ESW-4 (4') Receiving Laboratory **Colton Bickerstaff** Project Location: (county, state) Relinquished by F Project Name: Client Name: LAB USE ONLY LAB# MGE nvoice to: Page 52 of 52 Released to Imaging:

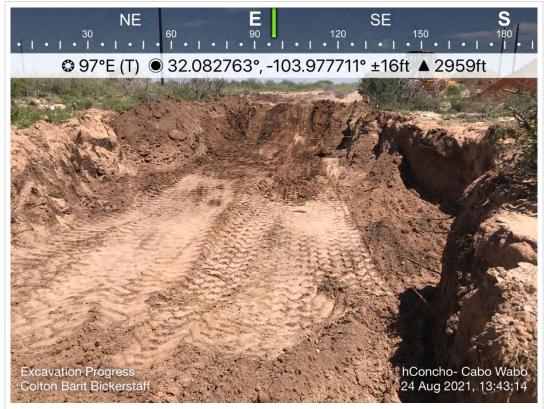
# APPENDIX D Photographic Documentation



TETRA TECH, INC. PROJECT NO. 212C-MD-02572	DESCRIPTION	View west. 5' bgs excavation.	1
	SITE NAME	Cabo Wabo 24 Federal #005H Flowline Release	8/24/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02572	DESCRIPTION	View east. 4' bgs excavation.	2
	SITE NAME	Cabo Wabo 24 Federal #005H Flowline Release	8/24/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02572	DESCRIPTION	View east from western boundary. 5' bgs excavation.	3
	SITE NAME	Cabo Wabo 24 Federal #005H Flowline Release	8/24/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02572	DESCRIPTION	View east southeast. 5' bgs excavation.	4
	SITE NAME	Cabo Wabo 24 Federal #005H Flowline Release	8/25/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02572	DESCRIPTION	View east. 5' bgs excavation.	5
	SITE NAME	Cabo Wabo 24 Federal #005H Flowline Release	8/26/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02572	DESCRIPTION	View east. 5' bgs and 4' bgs excavations.	6
	SITE NAME	Cabo Wabo 24 Federal #005H Flowline Release	8/30/2021



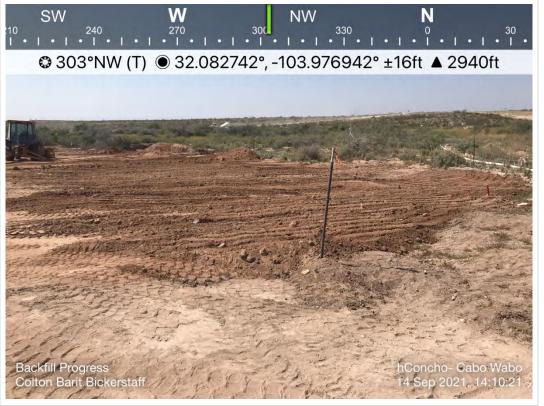
TETRA TECH, INC. PROJECT NO. 212C-MD-02572	DESCRIPTION	View northwest. 4' bgs excavation.	7
	SITE NAME	Cabo Wabo 24 Federal #005H Flowline Release	8/31/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02572	DESCRIPTION	View west. 4' bgs excavation.	8
	SITE NAME	Cabo Wabo 24 Federal #005H Flowline Release	9/1/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02572	DESCRIPTION	View northeast. 4' bgs excavation.	9
	SITE NAME	Cabo Wabo 24 Federal #005H Flowline Release	9/8/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02572	DESCRIPTION	View northwest. Backfilled.	10
	SITE NAME	Cabo Wabo 24 Federal #005H Flowline Release	9/14/2021



TETRA TECH, INC. PROJECT NO.	DESCRIPTION	View northeast. Backfilled.	11
212C-MD-02572	SITE NAME	Cabo Wabo 24 Federal #005H Flowline Release	9/15/2021



TETRA TECH, INC. PROJECT NO.	DESCRIPTION	View east. Backfilled.	12
212C-MD-02572	SITE NAME	Cabo Wabo 24 Federal #005H Flowline Release	9/16/2021

## **APPENDIX E Waste Manifests**

EVIRONMENTAL CONTROL OF CONTROL O		(PLEASE PRINT)	*REQUIF	RED INFORMATION*	Phone No. 477-050	George .
saurions		GENERATOR		NO.		
				THE THE PARTY OF	802500	
Operator No.			mit/RRC No. se/Well		1 0 + X +	,
Operators Name		Na	me & No.	-1-6-1-	15/10 199 F	-5
Address		Co	unty		THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW	
		<del></del>	No.	. I <del>Transfer to the Sol</del>	THE RESERVE OF THE WORLD	
City, State, Zip			Name & No.			
Phone No.			E/PO No.			
EXEMPT	&P Waste/Service Identification		me next to wa	aste type in barrels or cu	Ubic yards) type and generation process of the wast	e)
Oil Based Muds	NON-INJECTABLE WATERS Washout Water (Non-Inject			OTHER EXEMPT WASTES (	type and generation process of the water	
Oil Based Cuttings Water Based Muds	Completion Fluid/Flow bad					
Water Based Cuttings	Produced Water (Non-Inje					
Produced Formation Solids	Gathering Line Water/Was	te (Non-Injectable)				
Tank Bottoms	INTERNAL USE ONLY					
E&P Contaminated Soil	Truck Washout (exempt w	aste)				
Gas Plant Waste	T pour une	COMPLETION		PRODUCTION	GATHERING LINES	7 747-
WASTE GENERATION PROCESS:	DRILLING					
MANUAL CHIEF TO THE COLUMN	NON-EXEM pt E&P waste must be analysed and	PT E&P Waste/Service Identifi	cation and Amo	ount	and Reactivity.	
Non-Exempt Other	pt E&P waste must be analysed and	be below the thi esholo minus	please select fro	om Non-Exempt Waste List	t on back	
Non-Exempt other						CU
QUANTITY	B - BARI	RELS		Y - YARI	DS E - EA	ACH
oackaged, and is in proper condition for trans Oil field	portation according to applicable re wastes generated from oil and gas e	gulation.				
packaged, and is in proper condition for trans  Oil field to load basi  RCRA NON-EXEMPT: Oil field 261.21-2 hazardoi	portation according to applicable re wastes generated from oil and gas e is only) waste which is non-hazardous that d 261.24, or listed hazardous waste as us is attached. (Check the appropriat	gulation.  kploration and production ope  oes not exceed the minimum  defined by 40 CFR, part 261, s	erations and are	not mixed with non-exemp	ot waste (R360 Accepts certification eristics established in RCRA regulati mentation demonstrating the wast	ns on a pe
packaged, and is in proper condition for trans  RCRA EXEMPT: Oil field valued basis RCRA NON-EXEMPT: Oil field valued basis 261.21-2 hazardot MSDS In	portation according to applicable re wastes generated from oil and gas e is only) waste which is non-hazardous that d 261.24, or listed hazardous waste as us is attached. (Check the appropriat	gulation.  Application and production open  Oes not exceed the minimum  defined by 40 CFR, part 261, s  The items as provided)  azardous Waste Analysis	erations and are standards for w ubpart D, as am	not mixed with non-exemp waste hazardous by characte lended. The following docur	ot waste (R360 Accepts certification eristics established in RCRA regulati mentation demonstrating the wast	ns on a pe
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packaged, and is in proper condition for trans  RCRA EXEMPT: Oil field valued basis RCRA NON-EXEMPT: Oil field valued basis 261.21-2 hazardor MSDS In  (PRINT) AUTHORIZED AGENTS SIGNATURE  Transporter's Name Address Phone No.	portation according to applicable rewastes generated from oil and gas eis only) waste which is non-hazardous that defe. 24, or listed hazardous waste as us is attached. (Check the appropriate formation	pulation.  kploration and production ope  oes not exceed the minimum defined by 40 CFR, part 261, s e items as provided) azardous Waste Analysis  TRANSPORT  D  P  P  T  terator's site listed above and	erations and are standards for would be stand	e not mixed with non-exemply aste hazardous by characte hended. The following docur  Other (Provide Description  Out incident to the disposal formatte)	eristics established in RCRA regulatimentation demonstrating the wast on Below)  SIGNATURE  Facility listed below.  DRIVER'S SIGNATURE	ns on a pe
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Permit No. Address  Oil field vioad basis  Oil field vioad basis  Oil field vioad basis  I RCRA EXEMPT: Oil field vioad basis  Oil field vioad basis  261.21-2 hazardor  MSDS In  (PRINT) AUTHORIZED AGENTS SIGNATURE  Transporter's Name Address  Phone No. I hereby certify that the above named mater  SHIPMENT DATE  TRUCK TIME ST  OUT  Site Name/ Permit No. Address  Red Bluff Facility/ STF  5053 US Highway 285, Or	portation according to applicable rewastes generated from oil and gas eis only) waste which is non-hazardous that defect the control of the c	pulation.  Apploration and production operation of exceed the minimum defined by 40 CFR, part 261, size items as provided)  azardous Waste Analysis  TRANSPORT  DAT  TRANSPORT  D  P  P  T  T  DISPOSAL FAC	ER river's Name rint Name hone No. delivered without the control of the control o	out incident to the disposal for Name/No	eristics established in RCRA regulation mentation demonstrating the wast on Below)  SIGNATURE  Facility listed below.  DRIVER'S SIGNATURE  ECEIVING AREA	ns on a pe
Packaged, and is in proper condition for trans  RCRA EXEMPT: Oil field to load basi 261.21-2 hazardor MSDS In  (PRINT) AUTHORIZED AGENTS SIGNATURE  Transporter's Name Address Phone No. I hereby certify that the above named mater SHIPMENT DATE  TRUCK TIME ST IN: OUT Site Name/ Permit No. Red Bluff Facility/ STF	portation according to applicable rewastes generated from oil and gas eis only) waste which is non-hazardous that defect the control of the c	pulation.  kploration and production ope  oes not exceed the minimum defined by 40 CFR, part 261, s e items as provided) azardous Waste Analysis  TRANSPORT  DAT  TRANSPORT  D  P  P  T  Interator's site listed above and  DISPOSAL FAC	ER river's Name rint Name hone No. delivered without the control of the control o	out incident to the disposal for the Name/No	eristics established in RCRA regulation mentation demonstrating the wast on Below)  SIGNATURE  Facility listed below.  DRIVER'S SIGNATURE  ECEIVING AREA	ns on a perions, 40 Ce as non-

NAME (PRINT) DATE

DENIED

TITLE

If denied, why?

SIGNATURE

BS&W/BBLS Received

Free Water

**Total Received** 

BS&W (%)

Feet

I hereby certify that the above load material has been (circle one):

1st Gauge

2nd Gauge

Received

ACCEPTED

Company Man CPage 87 of 148

(PLEASE PRINT)

\*REQUIRED INFORMATION\* Name / ellen

Name / allen 10 Mel state
Phone No. 432 - 240 - 7944

			GEN	NERATOR	NO	).	8002501
Operator No.			2.1201107	Permit/RRC N	0	er militi 4-em f	20000000
Operator No.				Lease/Well			
Operators Name				Name & No.	grand to a state of the same	ri en ingril e con-	umit – sulli stanifi
Address				County	employed foods		
		THE STREET OF STREET	The State of	API No.	and the second second		ALISHMANNA PERCEN
City, State, Zip				Rig Name & N	0.	AND ASSESSED.	three
Phone No.			-	AFE/PO No.		11	
E CONTRACTOR DE LA CONT	XEMPT E&P Wa			unt (place volume next t	waste type in barrels of	ES (type and general	ation process of the waste)
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E&P Contaminated Soil		Truck Washout (exer	npt waste)				estadum Serimi
Gas Plant Waste				DA ADI ETIONI	PRODUCTION		ATHERING LINES
WASTE GENERATION PROCESS	ay III Burl	DRILLING		OMPLETION			ATTACKING CITED
	1500	NON-E	XEMPT E&P Wast	e/Service Identification and e threshold limits for toxicity	Amount (TCLP) Jenitability Corrosi	vity and Reactivity	
	non-exempt E&P v	vaste must be analysed	and be below the	*please sele	ct from Non-Exempt Wast	List on back	
Non-Exempt Other				piedse sere	certain non charge		
QUANTITY		В-	BARRELS		Υ-	YARDS	E - EACH
I hereby certify that the above listed	d material(s), is (ar	e) not a hazardous wa	ste as defined by 4	40 CFR Part 261 or any applic	able state law. That each v	vaste has been pr	operly described, classified and
packaged, and is in proper condition	for transportatio	n according to applical	ole regulation.				
RCRA EXEMPT:		enerated from oil and	gas exploration an	nd production operations an	d are not mixed with non-ex	empt waste (K36	O Accepts certifications on a per
	load basis only)	high is non hazardaus t	hat door not over	ed the minimum standards	for waste hazardous by cha	racteristics establ	ished in RCRA regulations, 40 CFR
RCRA NON-EXEMPT:	261.21-261.24, o	r listed hazardous was	te as defined by 40	O CFR, part 261, subpart D, a	s amended. The following o	ocumentation de	monstrating the waste as non-
	hazardous is atta	ched. (Check the appro	opriate items as pr	rovided)			
	MSDS Informatio	n RC	RA Hazardous Wa	ste Analysis	Other (Provide Descr	iption Below)	
	Wisdo Milorification		1011102010000	isce, marys,s			
	Wisbs Illiano	4		147 + 1		12-15-1	
N.L.A. TALISTI	- 100 G	4		grand Agrade V		SIGNATI	IRF
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Transporter's Name	Ro <del>d wa</del>	1		DATE  NSPORTER  Driver's Name	ie e	SIGNATL	JRE
Transporter's	Ro <del>d wa</del>			DATE  NSPORTER  Driver's Name	ie e	SIGNATL	JRE
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Transporter's Name Address Phone No.	IGNATURE	3 3 4	TRA	DATE  NSPORTER  Driver's Name Print Name Phone No. Truck No.		910 100 100 100 100 100 100 100 100 100	
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Transporter's Name Address  Phone No.  I hereby certify that the above name	IGNATURE	3 3 4	TRA	DATE  NSPORTER  Driver's Name Print Name Phone No. Truck No.		osal facility listed l	
Transporter's Name Address  Phone No. I hereby certify that the above name SHIPMENT DATE	ned material(s) wa	s/were picked up at th	TRA	DATE  NSPORTER  Driver's Name Print Name Phone No. Truck No.  listed above and delivered of	vithout incident to the dispo	osal facility listed l	below.  DRIVER'S SIGNATURE
Transporter's Name Address  Phone No. I hereby certify that the above name SHIPMENT DATE  TRUCK TI	ned material(s) wa	s/were picked up at th	TRA	DATE  NSPORTER  Driver's Name Print Name Phone No. Truck No.	vithout incident to the dispu	osal facility listed	below.  DRIVER'S SIGNATURE
Transporter's Name Address  Phone No. I hereby certify that the above name  SHIPMENT DATE  TRUCK TI IN:	ned material(s) wa	s/were picked up at th	TRA	DATE  NSPORTER  Driver's Name Print Name Phone No. Truck No.  listed above and delivered of	vithout incident to the dispo	osal facility listed	below.  DRIVER'S SIGNATURE
Transporter's Name Address  Phone No. I hereby certify that the above name  SHIPMENT DATE  TRUCK TI IN: Site Name/ Red Pluff Facility	med material(s) wa  ME STAMF OUT:	s/were picked up at th	TRA	DATE  NSPORTER  Driver's Name Print Name Phone No. Truck No.  listed above and delivered of	vithout incident to the dispu	osal facility listed	below.  DRIVER'S SIGNATURE
Transporter's Name Address  Phone No. I hereby certify that the above name  SHIPMENT DATE  TRUCK TI IN: Site Name/ Permit No.  Red Bluff Faci	med material(s) wa  ME STAMF OUT:	s/were picked up at th	TRA	DATE  NSPORTER  Driver's Name Print Name Phone No. Truck No.  listed above and delivered of	DELIVERY DATE  Name/	osal facility listed	below.  DRIVER'S SIGNATURE
Transporter's Name Address  Phone No. I hereby certify that the above name  SHIPMENT DATE  TRUCK TI IN: Site Name/ Permit No.  Red Bluff Faci	med material(s) wa  ME STAMF  OUT:  lity/ STF-065  ay 285, Orla, TX 79	s/were picked up at th  DRIVER'S SIGNATURE	TRA	DATE  NSPORTER  Driver's Name Print Name Phone No. Truck No.  listed above and delivered of the second seco	Name/ 432-448-4239  reading > 50 micro roentge	RECEIVIN	below.  DRIVER'S SIGNATURE
Transporter's Name Address  Phone No. I hereby certify that the above name SHIPMENT DATE  TRUCK TI IN: Site Name/ Permit No. Address  Red Bluff Faci 5053 US Highwa NORM READINGS TChloride	med material(s) wa  ME STAMF  OUT:  lity/ STF-065  ay 285, Orla, TX 79	s/were picked up at th  DRIVER'S SIGNATURE	TRA e Generator's site	DATE  NSPORTER  Driver's Name Print Name Phone No. Truck No.  listed above and delivered of the second seco	Name/ 432-448-4239  reading > 50 micro roentge	RECEIVIN	below.  DRIVER'S SIGNATURE  G AREA
Transporter's Name Address  Phone No. I hereby certify that the above name  SHIPMENT DATE  TRUCK TI IN: Site Name/ Permit No. Address  Red Bluff Faci 5053 US Highway NORM READINGS	med material(s) wa  ME STAMF  OUT:  lity/ STF-065  ay 285, Orla, TX 79	s/were picked up at th  DRIVER'S SIGNATURE	TRA e Generator's site	DATE  NSPORTER  Driver's Name Print Name Phone No. Truck No.  listed above and delivered of the second of the seco	Name/ 432-448-4239  reading > 50 micro roentge	RECEIVIN	DRIVER'S SIGNATURE  G AREA  YES NO
Transporter's Name Address  Phone No. I hereby certify that the above name  SHIPMENT DATE  TRUCK TI IN: Site Name/ Permit No. Address  NORM READINGS To Chloride Chemical Analysis (Mg/I)	med material(s) wa  ME STAMF  OUT:  lity/ STF-065  ay 285, Orla, TX 79	s/were picked up at th  DRIVER'S SIGNATURE	TRA  e Generator's site  DISPO	DATE  NSPORTER  Driver's Name Print Name Phone No. Truck No.  listed above and delivered of the second of the seco	Name/  Name/  432-448-4239  reading > 50 micro roentge	RECEIVIN	DRIVER'S SIGNATURE  G AREA  YES NOPH
Transporter's Name Address  Phone No. I hereby certify that the above name  SHIPMENT DATE  TRUCK TI IN: Site Name/ Permit No. Address  NORM READINGS To Chloride Chemical Analysis (Mg/I)	med material(s) wa  ME STAMF OUT:  lity/STF-065 ay 285, Orla, TX 79	s/were picked up at th  DRIVER'S SIGNATURE  DYFO  YES	TRA  e Generator's site  DISPO	DATE  NSPORTER  Driver's Name Print Name Phone No. Truck No.  listed above and delivered of the second of the seco	Name/  Name/  432-448-4239  reading > 50 micro roentge	RECEIVIN	DRIVER'S SIGNATURE  G AREA  YES NO
Transporter's Name Address  Phone No. I hereby certify that the above name  SHIPMENT DATE  TRUCK TI IN:  Site Name/ Permit No. Address  NORM READINGS To Chloride Chemical Analysis (Mg/l).  1st Gauge 2nd Gauge	med material(s) wa  ME STAMF OUT:  lity/STF-065 ay 285, Orla, TX 79	s/were picked up at th  DRIVER'S SIGNATURE  DYFO  YES	TRA  e Generator's site  DISPO	DATE  NSPORTER  Driver's Name Print Name Phone No. Truck No.  listed above and delivered of the second of the seco	Name/  Name/  432-448-4239  reading > 50 micro roentge	RECEIVIN	DRIVER'S SIGNATURE  G AREA  YES NOPH
Transporter's Name Address  Phone No. I hereby certify that the above name  SHIPMENT DATE  TRUCK TI IN: Site Name/ Permit No. Address S053 US Highwa NORM READINGS To Chloride Chemical Analysis (Mg/I)  1st Gauge	med material(s) wa  ME STAMF OUT:  lity/STF-065 ay 285, Orla, TX 79	s/were picked up at th  DRIVER'S SIGNATURE  DYFO  YES	TRA  e Generator's site  DISPO	DATE  NSPORTER  Driver's Name Print Name Phone No. Truck No.  listed above and delivered of the second of the seco	Name/  Name/  432-448-4239  reading > 50 micro roentge	RECEIVIN	DRIVER'S SIGNATURE  G AREA  YES NOPH
Transporter's Name Address  Phone No. I hereby certify that the above name  SHIPMENT DATE  TRUCK TI IN:  Site Name/ Permit No. Address  NORM READINGS To Chloride Chemical Analysis (Mg/l).  1st Gauge 2nd Gauge Received	med material(s) wa  ME STAMF OUT:  lity/ STF-065 ay 285, Orla, TX 79 TAKEN? (Circle One	s/were picked up at th  DRIVER'S SIGNATURE  7770  P) YES  Inches	TRA  e Generator's site  DISPO	DATE  NSPORTER  Driver's Name Print Name Phone No. Truck No.  listed above and delivered of the second of the seco	Name/  Name/  432-448-4239  reading > 50 micro roentger/ m)  BS&W/BBLS Received Free Water Total Received	RECEIVIN	DRIVER'S SIGNATURE  G AREA  YES NOPH
Transporter's Name Address  Phone No. I hereby certify that the above name  SHIPMENT DATE  TRUCK TI IN:  Site Name/ Permit No. Address  NORM READINGS To Chloride Chemical Analysis (Mg/l).  1st Gauge 2nd Gauge	med material(s) wa  ME STAMF OUT:  lity/ STF-065 ay 285, Orla, TX 79 TAKEN? (Circle Onc	s/were picked up at th  DRIVER'S SIGNATURE  7770  P) YES  Inches	TRA e Generator's site DISPO NO TAN es	DATE  NSPORTER  Driver's Name Print Name Phone No. Truck No.  listed above and delivered of the second control of the second conductivity (mmhos/o	Name/  Name/  432-448-4239  reading > 50 micro roentger/ m)  BS&W/BBLS Received Free Water Total Received	RECEIVIN	DRIVER'S SIGNATURE  G AREA  YES NOPH

Company Man Contact Information Page 88 of 148 Received by OCD: 10/28/2021 2:47:06 PM EXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST \*REQUIRED INFORMATION\* Name (PLEASE PRINT) Phone No. **GENERATOR** NO. Permit/RRC No. Operator No. Lease/Well Name & No Operators Name County Address API No Rig Name & No City, State, Zip AFE/PO No Phone No. EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards) Oil Based Muds Washout Water (Non-Injectable) Oil Based Cuttings Completion Fluid/Flow back (Non-Injectable) Water Based Muds Produced Water (Non-Injectable) Water Based Cuttings Gathering Line Water/Waste (Non-Injectable) Produced Formation Solids Tank Bottoms Truck Washout (exempt waste) E&P Contaminated Soil Gas Plant Waste GATHERING LINES COMPLETION PRODUCTION WASTE GENERATION PROCESS DRILLING NON-EXEMPT E&P Waste/Service Identification and Amount All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity \*please select from Non-Exempt Waste List on back Non-Exempt Other F - FACH Y - YARDS B - BARRELS QUANTITY I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation. Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per RCRA EXEMPT: load basis only 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 RCRA NON-EXEMPT: 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as nonhazardous is attached. (Check the appropriate items as provided) Other (Provide Description Below) MSDS Information RCRA Hazardous Waste Analysis SIGNATURE (PRINT) AUTHORIZED AGENTS SIGNATURE TRANSPORTER Transporter's Driver's Name Name Print Name Address Phone No Truck No. Phone No I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below. DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE RECEIVING AREA DISPOSAL FACILITY TRUCK TIME STAMP Name/No. OUT: IN: Site Name/ Phone No. 432-448-4239 Red Bluff Facility/ STF-065 Permit No. 5053 US Highway 285, Orla, TX 79770 Address If YES, was reading > 50 micro roentgens? (circle one) YES NO NORM READINGS TAKEN? (Circle One) YES Conductivity pH (mmhos/cm) Chemical Analysis (Mg/I) Inches Feet BS&W (%) BS&W/BBLS Received 1st Gauge Free Water 2nd Gauge Total Received Received

I hereby certify that the above load material has been (circle one):

ACCEPTED DENIED If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

Company Man Contact Information Page 89 of 148 Received by OCD: 10/28/2021 2:47:06 PM EXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST \*REQUIRED INFORMATION\* Name (PLEASE PRINT) Phone No. 4 GENERATOR Permit/RRC No. Operator No. Lease/Well Name & No. Operators Name County Address API No. Rig Name & No. City, State, Zip AFE/PO No. Phone No EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards) Oil Based Muds Washout Water (Non-Injectable) Oil Based Cuttings Completion Fluid/Flow back (Non-Injectable) Water Based Muds Produced Water (Non-Injectable) Water Based Cuttings Gathering Line Water/Waste (Non-Injectable) **Produced Formation Solids** Tank Bottoms Truck Washout (exempt waste) **E&P** Contaminated Soil Gas Plant Waste **GATHERING LINES** PRODUCTION COMPLETION WASTE GENERATION PROCESS DRILLING NON-EXEMPT E&P Waste/Service Identification and Amount All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corre \*please select from Non-Exempt Waste List on back Non-Exempt Other Y - YARDS E - EACH B - BARRELS QUANTITY I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation. Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per

RCRA NON-EXEMPT:	load basis only) Oil field waste which is non-hazardo 261.21-261.24, or listed hazardous hazardous is attached. (Check the a	waste as defined by 40 CFR, part 261,	subpart D, as amende	ed. The following documentat	w)
(PRINT) AUTHORIZED AGENTS	SIGNATURE	DA	ΙĒ		SIGNATURE
Transporter's Name Address  Phone No. I hereby certify that the above national desired in the second of the second	HOHOS  med material(s) was/were picked up a	000	Print Name Print Name Phone No.  Fruck No.	ancident to the disposal facility	listed below.
SHIPMENT DATE	DRIVER'S SIGNATURE		DELIVERY D	ATE	DRIVER'S SIGNATURE
	IME STAMP	DISPOSAL FAC	ILITY	RECEI Name/No.	VING AREA

Phone No.

Conductivity

(mmhos/cm)

If denied, why?

TITLE

Released to Imaging: 1/31/2022 2:40:31 PM GINAL

Red Bluff Facility/STF-065

NORM READINGS TAKEN? (Circle One)

Feet

I hereby certify that the above load material has been (circle one):

NAME (PRINT)

Chloride

Chemical Analysis (Mg/I)

5053 US Highway 285, Orla, TX 79770

Site Name/

Permit No. Address

1st Gauge

2nd Gauge

Received

Blue - TRANSPORTER

NO

ACCEPTED

Inches

YES

Yellow - GENERATOR

432-448-4239

BS&W/BBLS Received

Free Water

Total Received

If YES, was reading > 50 micro roentgens? (circle one)

Version 1

NO

YES

BS&W (%)

Received by OCD: 10/28/20	21 2:47:06 PM EXAS NON-HAZARDO	US OILFIELD WASTE MANIF	EST Compa	ny Man CoPage 90 of 14
PROPERTY OF THE PROPERTY OF TH	(PL	EASE PRINT) *REQUIRE	D INFORMATION* Name Phone No.	432-256-9943
	GEN	NERATOR	NO.	3002503
Operator No.		Permit/RRC No. Lease/Well	u <del>r yje si – – diu – z</del>	THE STATE OF THE S
Can	200 DK. 11:05	Name & No.	Cake Like	0 174 Fed 000
Operators Name	Virtumita	County		The state of the s
		API No.		myly Harmydayn 1
City, State, Zip		Rig Name & No.		The state of the s
Phone No.		AFE/PO No.	1 -1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	1 7 2
EXEMP	T E&P Waste/Service Identification and Amo	ount (place volume next to was	te type in barrels or cubic yards)	ion expense of the waste)
Oil Based Muds	NON-INJECTABLE WATERS Washout Water (Non-Injectable)		THER EXEMPT WASTES (type and general	Land on the waste)
Oil Based Cuttings Water Based Muds	Completion Fluid/Flow back (Non-Inje-	ctable)	product the second of the	
Water Based Cuttings	Produced Water (Non-Injectable)	actable		
Produced Formation Solids  Tank Bottoms	Gathering Line Water/Waste (Non-Inje	ectable)		
E&P Contaminated Soil	Truck Washout (exempt waste)			more with
Gas Plant Waste WASTE GENERATION PROCESS:	DRILLING C	OMPLETION F	PRODUCTION GA	THERING LINES
	NON-EXEMPT E&P Was	te/Service Identification and Amoun	nt	de maria de la companiona de la companio
All non-ex Non-Exempt Other	empt E&P waste must be analysed and be below the	*please select from	Non-Exempt Waste List on back	
	D. DADDELG	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Y - YARDS	E - EACH
QUANTITY	B - BARRELS	to ore n 1 251		man Fall-Mountly
packaged and is in proper condition for tr	rial(s), is (are) not a hazardous waste as defined by ansportation according to applicable regulation.			
— Oil fie	ld wastes generated from oil and gas exploration a	nd production operations and are n	ot mixed with non-exempt waste (R360	Accepts certifications on a per
RCRA EXEMPT: load b	pasis only)	of Karyan Carana	. I be about togistics ortablis	had in BCRA regulations 40 CE
RCRA NON-EXEMPT: Oil fie	ld waste which is non-hazardous that does not exc 1-261.24, or listed hazardous waste as defined by	eed the minimum standards for was IN CFR part 261, subpart D, as amer	nded. The following documentation den	nonstrating the waste as non-
	dous is attached. (Check the appropriate items as p			
MSD:	Information RCRA Hazardous W	aste Analysis	Other (Provide Description Below)	
The state of the state of		1 0/4 1/40	THE RESERVE TO THE RE	
		DATE	SIGNATUR	E
(PRINT) AUTHORIZED AGENTS SIGNATUR			78 P	
	IRA	NSPORTER	4-15	
Transporter's Name	in martners	Driver's Name	Matter 1 1	
Address		Print Name		
-	to bbs	Phone No.		
Phone No.		Truck No.		
I hereby certify that the above named ma	terial(s) was/were picked up at the Generator's site	e listed above and delivered without	incident to the disposal facility listed b	elow.
	DRIVER'S SIGNATURE	DELIVER	Y DATE D	RIVER'S SIGNATURE
TRUCK TIME	The state of the s	SAL FACILITY	RECEIVING	G AREA
IN: OL	2/11/1/20/AW	JAL I ACILIII	Name/No.	0 -
Site Name/		Phone No.		
Permit No. Red Bluff Facility/ S		Phone No.	432-448-4239	
Address 5053 US Highway 285,		If VES, was readin	ng > 50 micro roentgens? (circle one)	YES NO
NORM READINGS TAKEN Chloride	(Circle One) YES NO	Conductivity (mmhos/cm)	ig > 50 micro recingens. (and one)	pH
Chemical Analysis (Mg/I)	TAN	KBOTTOMS		AT AN AND AS MAKE MAKE
Feet	Inches	Company and the Second	W/DDIC Dessived	BS 8.1W (9%)
1st Gauge		BS8	kW/BBLS Received Free Water	BS&W (%)
2nd Gauge Received		AND THE RESERVE OF THE PERSON	Total Received	
I hereby certify that the above load m	aterial has been (circle one): ACCEPTED	DENIED If denied, why?	11	E-2 million and annual

NAME (PRINT)

Received by	OCD: 10/2	8/2021 2:47	:06 PMTEXAS		DOUS OILFIELD	WASTE MAN	IIFEST	Company	Page	91 of 148
R360				(	(PLEASE PRINT)	*REQUII	RED INFORMATION*	Phone No. 4	72.250-0	9943
				G	ENERATOR	2	NO.	80025	02	aller.
anako - Na					Pe	mit/RRC No.	No. of the last of	Apr 107 200 41		
perator No.			5.7	17		se/Well	Maha V	あるかが	410 F	( Sesent
perators Name	-	11966	- 12 th -			me & No.			u - fall falls	
ddress						unty	MATERIAL PROPERTY.		in Sinkthesi	93
				THE RESERVE		I No.	The real fields	THE STATE OF THE STATE OF	THE RELATIVE AND ADDRESS OF THE PERSON OF TH	
ity, State, Zip		101 DE 7				E/PO No.			741474	
hone No.						- A STATE OF THE S	- to be well on	aubic wards)		
	E	XEMPT E&P Wa	ste/Service Iden	tification and A	mount (place volu	me next to w	aste type in barrels or o	(type and generation	process of the wa	aste)
Oil Based Muds		- Indian	NON-INJECTABLE Washout Water (			I MALION I WATER	OTHER CALINI T WASHES	AUTHORITIES TO THE PROPERTY OF		
Dil Based Cuttings Water Based Muc			Completion Fluid		njectable)					regularity)
<b>Water Based Cutt</b>	ings		Produced Water (		-					
Produced Formati	ion Solids		Gathering Line W		-Injectable)		I SANS IT STEP OF BUILD			HG .
Fank Bottoms E&P Contaminate	d Soil		Truck Washout (e		The second second		a cripic ringini			Rimi — 1
Gas Plant Waste								CAT!	IEDING LINES	
WASTE GENERA	ATION PROCESS:		DRILLING	البنوس	COMPLETION		PRODUCTION	GATE	HERING LINES	
	All a	non overnet E&D	NO NO	ON-EXEMPT E&P V	Waste/Service Identify withe threshold limit	ication and Am for toxicity (TC	ount CLP), Ignitability, Corrosivit	y and Reactivity.		
Non-Exempt Othe		ion-exemperor	vasce muse be una	ypedeminate		*please select fi	rom Non-Exempt Waste L	ist on back		
ton Example of the							Y-YA	RDS	E-	EACH
QUANTITY				B - BARRELS		200 100	152	New Action		
hereby certify th	at the above listed	d material(s), is (a	re) not a hazardous	waste as defined	by 40 CFR Part 261	or any applicabl	e state law. That each was	ste nas been prope	ny described, ci	assincu anu
packaged, and is i	n proper condition	for transportation	on according to app	and are exploration	on and production or	erations and ar	e not mixed with non-exer	mpt waste (R360 A	ccepts certificat	ions on a per
RCRA EXE	MPT:	load basis only)	enerated from oil a	and gas exploration	m and production of	Cranons are a				
		Oil field waste w	phich is non-hazarde	ous that does not	exceed the minimum	standards for	waste hazardous by charac	cteristics establishe	ed in RCRA regul	ations, 40 CFR
RCRA NOI	N-EXEMPT:	261.21-261.24,	or listed hazardous	waste as defined l	by 40 CFR, part 261,	subpart D, as ar	mended. The following doc	umentation demo	nstrating the wa	iste as non-
		hazardous is atta	ached. (Check the a	ppropriate items	as provided)					
		MSDS Information	on	RCRA Hazardous	s Waste Analysis		Other (Provide Descript	tion Below)	1	
					*					**
(PRINT)	AUTHORIZED AGENTS SI	GNATURE			DA	TE		SIGNATURE		
				TF	RANSPORT	ER				
Transporter's					-	Oriver's Name				
Name	E37.13	ald ,	Darkery!	<u> </u>	-					
Address			1 .			Print Name	-			
		1900	<i>b</i> s			Phone No.			11127	
Phone No.						Truck No.	-			
I hereby certify t	hat the above nam	ned material(s) wa	s/were picked up a	t the Generator's	site listed above and	I delivered with	out incident to the disposa	al facility listed belo	)W.	
						DELL	IVERY DATE	DRIV	ER'S SIGNATURE	
SHIPM	ENT DATE	AL CTARA	DRIVER'S SIGNATURE		DOSAL EAG			RECEIVING	ARFA	
	TRUCK TI	ME STAMI	7	וכוע	POSAL FAC	ILIII				
IN:\	11/2 DV	OUT:					Name/N	10	1	
Site Name/	Ded Dluff Fosi	lieu/ STE OSE				Phone No.	432-448-4239			
Permit No.	Red Bluff Faci		9770							
Address		y 285, Orla, TX 79		NO.		If VES was rea	ading > 50 micro roentgens	? (circle one)	YES	NO
	NORM READINGS T Chloride	AKEN? (Circle On	e) YES	NO		Conductivity	- B IIII I III	William Timed		
Chemical Analys						(mmhos/cm)_				pH
					NK BOTTO	DMS	100			
Taronas Como	A	Feet	li	nches	and a second	F	BS&W/BBLS Received		BS&W (%)	

1st Gauge

2nd Gauge

Received

Free Water

**Total Received** 

Received by OCD: 10/28/2021 2:4		JS OILFIELD WASTE MAN (ASE PRINT) *REQUI		Company Man CoPage 92 of 148
SOLUTIONS SOLUTIONS	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	included in the control of the contr		Phone No.
	GEN	ERATOR	NO.	2201821730-4743
Ower-Fax No		Permit/RRC No.	· · · · · · · · · · · · · · · · · · ·	7 70047
Operator No.	A Printer	Lease/Well	11.06	- 20/ Q1 005H
Operators Name Coroco N. 11	) )	Name & No.	Color NW	0 27 100 00011
Address		County	A 1	
		API No.		
City, State, Zip		Rig Name & No.	0-	<del></del>
Phone No.		AFE/PO No.		
EXEMPT E&P W	este/Service Identification and Amou	int (place volume next to wa	aste type in barrels or cub	ic yards)
Oil Based Muds	NON-INJECTABLE WATERS		OTHER EXEMPT WASTES (typ	e and generation process of the waste)
Oil Based Cuttings Water Based Muds	Washout Water (Non-Injectable) Completion Fluid/Flow back (Non-Inject	able)		The second secon
Water Based Widds Water Based Cuttings	Produced Water (Non-Injectable)			
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectivite Pala)	table)		Committee of the Commit
Tank Bottoms  E&P Contaminated Soil	INTERNAL USE ONLY Truck Washout (exempt waste)		1	and hear again and a
Gas Plant Waste				
WASTE GENERATION PROCESS:	Dividing.	MPLETION	PRODUCTION	GATHERING LINES
All non-everant F&P	NON-EXEMPT E&P Waste waste must be analysed and be below the	e/Service Identification and Amo threshold limits for toxicity (TC	ount LP), Ignitability, Corrosivity and	d Reactivity.
Non-Exempt Other		*please select fro	om Non-Exempt Waste List	on back
	5 64000C		/SZ Y-YARDS	E - EACH
QUANTITY	B - BARRELS		10	
I hereby certify that the above listed material(s), is (a	re) not a hazardous waste as defined by 40	0 CFR Part 261 or any applicable	e state law. That each waste h	as been properly described, classified and
packaged, and is in proper condition for transportation	n according to applicable regulation.	d production operations and are	not mixed with non-exempt	waste (R360 Accepts certifications on a per
RCRA EXEMPT: load basis only)	enerated from on and gas exploration and	a production operations and		
Oil field waste w	hich is non-hazardous that does not excer	ed the minimum standards for w	vaste hazardous by characteris	stics established in RCRA regulations, 40 CFR
261.21-261.24,	or listed hazardous waste as defined by 40	CFR, part 261, subpart D, as am	nended. The following docume	entation demonstrating the waste as non-
hazardous is att	ached. (Check the appropriate items as pro	ovided)	1	
MSDS Informati	on RCRA Hazardous Was	ste Analysis	Other (Provide Description I	Below)
<u></u>				THE RESERVE TO THE PARTY OF THE
			1.11	7
(PRINT) AUTHORIZED AGENTS SIGNATURE	15tz-fel	DATE 2/	caras	SIGNATURE
	TRA	NSPORTER		
Transporter's			107	0
Name Modelle	A.S	Driver's Name	Jod De	Xa ya
Address		Print Name		166/
-1/1/2		Phone No.		
Phone No.		Truck No.	M75	
I hereby certify that the above named material(s) wa	is/were picked up at the Generator's site l	isted above and delivered withou	out incident to the disposal fac	ility listed below.
		8.23	5.2 70	DRIVER'S SIGNATURE
SHIPMENT DATE	DRIVER'S SIGNATURE		VERY DATE	
TRUCK TIME STAM	DISPO	SAL FACILITY	REG	CEIVING AREA
IN: /252_ OUT:			Name/No.	
Site Name/		Phone No.		121
Permit No. Red Bluff Facility/ STF-065		Phone No.	432-448-4239	
Address 5053 US Highway 285, Orla, TX 7	9770			
NORM READINGS TAKEN? (Circle On	e) YES NO		ding > 50 micro roentgens? (ci	rcle one) YES NO
Chloride Chemical Analysis (Mg/I)		Conductivity (mmbos/cm)_		рН
	TANI	BOTTOMS		
Feet	Inches			Harris Committee
1st Gauge		В	S&W/BBLS Received	BS&W (%)
2nd Gauge			Free Water Total Received	and and the later
Received			(500,11000730)	
I hereby certify that the above load material has	been (circle one): ACCEPTED	DENIED If denied, wh	y?	
- 0 / 1	DE TE SI	REV1	211	
NAME (PRINT)	- DATE O	TITLE		SIGNATURE
Was Land				

Page 93 of 148 Received by OCD: 10/28/2021 2:47:06 PMEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST \*REQUIRED INFORMATION\* (PLEASE PRINT) Phone No. NO. GENERATOR Permit/RRC No Operator No. Lease/Well Name & No Operators Name County Address API No Rig Name & No City, State, Zip AFE/PO No Phone No. EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards) NON-INJECTABLE WATERS Oil Based Muds Washout Water (Non-Injectable) Oil Based Cuttings Completion Fluid/Flow back (Non-Injectable) Water Based Muds Produced Water (Non-Injectable) Water Based Cuttings Gathering Line Water/Waste (Non-Injectable Produced Formation Solids Tank Bottoms Truck Washout (exempt waste E&P Contaminated Soil Gas Plant Waste GATHERING LINES COMPLETION **PRODUCTION** DRILLING WASTE GENERATION PROCESS NON-EXEMPT E&P Waste/Service Identification and Amount All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity \*please select from Non-Exempt Waste List on back Non-Exempt Other E - EACH Y - YARDS B - BARRELS QUANTITY I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation. Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per RCRA EXEMPT: load basis only) 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-RCRA NON-EXEMPT: hazardous is attached. (Check the appropriate items as provided) Other (Provide Description Below) RCRA Hazardous Waste Analysis MSDS Information SIGNATURE (PRINT) AUTHORIZED AGENTS SIGNATURE TRANSPORTER Driver's Name Transporter's Name Print Name Address Phone No. Truck No. Phone No. I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below. DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE SHIPMENT DATE RECEIVING AREA TRUCK TIME STAMP Name/No. OUT: IN: Site Name Phone No. 432-448-4239 Red Bluff Facility/ STF-065 Permit No. Address 5053 US Highway 285, Orla, TX 79770 NO If YES, was reading > 50 micro roentgens? (circle one) YES NO NORM READINGS TAKEN? (Circle One) VES Conductivity Chloride (mmhos/cm) Chemical Analysis (Mg/l) OMS Inches Feet BS&W (%) BS&W/BBLS Received 1st Gauge Free Wate 2nd Gauge Total Received Received If denied, why?

I hereby certify that the above load material has been (circle one):

NAME (PRINT)

DENIED

(PLEASE PRINT)

\*REQUIRED INFORMATION

	Company	Man	Page	$\mathbf{q}_{A}$	f 148	2
*	Name T	01	1 480	770	1 170	'

Phone No.

			GENE	RATOR	NO.	800250	4 agmos
Operator No.  Operators Name  Address		N. 11. 35		Permit/RRC No Lease/Well Name & No. County API No.	an measurement	10-03 -7-6(x)	Constitution (
City, State, Zip	The state of the s		La contraction of	Rig Name & N	0.		- William
Phone No.				AFE/PO No.		aukiovanedo)	
	EMPT E&P Wa			t (place volume next t	o waste type in barrels or OTHER EXEMPT WASTES	(type and generation proc	ess of the waste)
Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste		Produced Water (No	n-Injectable) ow back (Non-Injectal on-Injectable) er/Waste (Non-Injecta mpt waste)	sble)		nigo odrateda odrateda odrateda odrate	Harris III E DE AULE
WASTE GENERATION PROCESS:		DRILLING	COM	IPLETION	PRODUCTION	- CATHEN	ING EINES
All n	on-exempt E&P v	NON- raste must be analyse	EXEMPT E&P Waste/ ed and be below the t	Service Identification and hreshold limits for toxicity *please sele	Amount (TCLP), Ignitability, Corrosivit of the Mon-Exempt Waste London Mon-Exe	ry and Reactivity. List on back	and a second
QUANTITY			- BARRELS		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		E - EACH
RCRA EXEMPT:	for transportatio Oil field wastes g load basis only) Oil field waste w 261.21-261.24, o	n according to applica enerated from oil and nich is non-hazardous r listed hazardous wa ched. (Check the app	ble regulation. I gas exploration and	production operations and I the minimum standards EFR, part 261, subpart D, a vided)	d are not mixed with non-exe for waste hazardous by chara as amended. The following do  Other (Provide Descrip	mpt waste (R360 Accep cteristics established in cumentation demonstra	ts certifications on a per
(PRINT) AUTHORIZED AGENTS SIG	NATURE			DATE		SIGNATURE	A Lanc
Transporter's Name Address  Phone No.	Hub	Porto Lis	3	Driver's Name Print Name Phone No. Truck No.	mel	al facility listed below.	years the same of
I hereby certify that the above name	ed material(s) wa	s/were picked up at t	he Generator's site lis	ited above and delivered	without incident to the dispos	100	An Eleca
Site Name/	OUT:	DRIVER'S SIGNATURE	DISPOS	SAL FACILITY  Phone No.	Name/N	RECEIVING AF	
Address Red Bluff Facility  So53 US Highway  NORM READINGS To Chloride  Chemical Analysis (Mg/l)	, 285, Orla, TX 79		NO	Conductivit (mmhos/	s reading > 50 micro roentgen	s? (circle one) Y	ES NO pH
			TANK	BOTTOMS	MEA.		
1st Gauge 2nd Gauge Received	eet	Incl	nes		BS&W/BBLS Received Free Water Total Received	BS&	W (%)
I hereby certify that the above I	oad material has	been (circle one):	ACCEPTED	DENIED If denier	d, why?	SIGNATURE	The particular of

NMENTAL OLUTIONS				(PLEASE PRI	111	IRED INFORMATIO	N* Name Phone No	
				GENERAT	OR	NO	0. 8002526	
erator No.					Permit/RRC No.	Attacks (1941)	U U fee W fee W	
					Lease/Well		many city has a real programmer.	
rators Name	100				Name & No.	- April I was	Tang Managara - ak juga	1.
ress					County	317-1	215-4249	20
		WATER STATE	TO SECULIA		API No.	and the state of t	ANTE TO BE UNITED BY	70-
, State, Zip		Name of the Owner, where			Rig Name & No.	- <del>E</del>		
ne No.					AFE/PO No.			
EX	KEMPT E&P Wa	THE RESERVE OF THE PERSON NAMED IN	THE RESERVE AND ADDRESS OF THE PARTY OF THE	Amount (place	volume next to w	vaste type in barrels o		40
Based Muds	- Joringh.	NON-INJECTABLE	SPATIAL DESIGNATION OF THE PARTY OF THE PART			OTHER EXEMPT WAS	ES (type and generation process of the wa	stej
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s Plant Waste								
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					dentification and Am	nount CLP), Ignitability, Corrosi	vity and Reactivity.	
	on-exempt E&P v	vaste must be anal	ysed and be bell	ow the threshold		rom Non-Exempt Waste		
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ANTITY			B - BARRELS			1.4	, ,	EACH
reby certify that the above listed	material(s), is (ar	e) not a hazardous	waste as define	d by 40 CFR Part	261 or any applicabl	le state law. That each v	vaste has been properly described, cla	assified a
kaged, and is in proper condition	for transportation	n according to app	licable regulatio	n.		// 1/1000 MILESTON	. (D2C0 A	
RCRA EXEMPT:		enerated from oil a	and gas explorat	ion and production	on operations and ar	re not mixed with non-ex	tempt waste (R360 Accepts certificati	ons on a
	load basis only)							
		OWNER OF THE PARTY	THE PART OF THE LOCK WITH			the state of the state of	enteristics actablished in PCRA regula	ations A
RCRA NON-EXEMPT:	Oil field waste wi	hich is non-hazardo	ous that does no	t exceed the mini	mum standards for	waste hazardous by char	racteristics established in RCRA regula ocumentation demonstrating the wa	ations, 40 ste as no
RCRA NON-EXEMPT:	261.21-261.24, o	r listed hazardous	waste as defined	by 40 CFR, part	mum standards for 1 261, subpart D, as ar	waste hazardous by chai mended. The following d	racteristics established in RCRA regula ocumentation demonstrating the wa	ations, 40 ste as nor
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RCRA NON-EXEMPT:	261.21-261.24, o	r listed hazardous of ched. (Check the a	waste as defined ppropriate item	by 40 CFR, part	261, subpart D, as ar	mended. The following d	ocumentation demonstrating the war	ations, 40 ste as no
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Received by OCD: 10/28/202		(PLEASE PRINT) *R	EQUIRED INFORMATION	N* NamePhone No
SOLUTIONS		GENERATOR	NC	
		GENERATOR  Permit/RR	The hindring the matter	8002524
Operator No.		Lease/Wel	- A - A - A - A - A - A - A - A - A - A	ZO SECTION STATES
Operators Name	<u></u>	Name & N		resident to the part with minute
Address		County API No.	20-01	C- 474 87
		Rig Name	& No.	
City, State, Zip		AFE/PO No		
Phone No.	2.D Waste/Service Identification	n and Amount (place volume ne	t to waste type in barrels o	or cubic yards)
Oil Based Muds	NON-INJECTABLE WATERS		OTHER EXEMPT WAST	ES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Inje Completion Fluid/Flow ba	ctable)		
Water Based Muds Water Based Cuttings	Produced Water (Non-Inje	ectable)		
Produced Formation Solids	Gathering Line Water/Wa	ste (Non-Injectable)	the street Albert	have made regress put provide a mission.
Tank Bottoms E&P Contaminated Soil	Truck Washout (exempt v	vaste)	La proper proper proper (1924)	Various of the industrial testing
Gas Plant Waste			PROPUSTION	GATHERING LINES
WASTE GENERATION PROCESS:	DRILLING	COMPLETION	PRODUCTION	GATHERING ENES
All non every	NON-EXEM	PT E&P Waste/Service Identification of be below the threshold limits for tox	and Amount city (TCLP), Ignitability, Corrosit	vity and Reactivity.
Non-Exempt Other	of Edir Waste Musi be analysee and	*please	select from Non-Exempt Waste	e List on back
	B - BAR	DELE	10 (V-)	YARDS E - EACH
QUANTITY				AND THE RESERVE OF THE PERSON
packaged and is in proper condition for trans-	portation according to applicable re	egulation.		vaste has been properly described, classified and
Oil field v	wastes generated from oil and gas e	exploration and production operations	and are not mixed with non-ex	rempt waste (R360 Accepts certifications on a per
load basi	is only)	does not exceed the minimum standa	rds for waste hazardous by char	racteristics established in RCRA regulations, 40 CFR
RCRA NON-EXEMPT: Oil field v	61.24, or listed hazardous waste as	defined by 40 CFR, part 261, subpart	D, as amended. The following d	ocumentation demonstrating the waste as non-
hazardou	us is attached. (Check the appropria	te items as provided)		
MSDS In	formation RCRA H	lazardous Waste Analysis	Other (Provide Descr	iption Below)
MSDS Int	formation RCRA H		Other (Provide Descr	iption Below)
Took and	formation RCRA H	lazardous Waste Analysis	Other (Provide Descr	iption Below)  SIGNATURE
(PRINT) AUTHORIZED AGENTS SIGNATURE	formation RCRA H	lazardous Waste Analysis  DATE	Other (Provide Descr	Let me il
Took and	formation RCRA H	lazardous Waste Analysis	Other (Provide Descr	Let me il
(PRINT) AUTHORIZED AGENTS SIGNATURE  Transporter's	formation RCRA H	lazardous Waste Analysis  DATE		Let me il
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(PRINT) AUTHORIZED AGENTS SIGNATURE  Transporter's Name Address Phone No.	701+011S	DATE TRANSPORTER Driver's I Print Nai Phone N Truck No	Name / Ar /	SIGNATURE
(PRINT) AUTHORIZED AGENTS SIGNATURE  Transporter's Name Address Phone No.	701+011S	DATE TRANSPORTER Driver's I Print Nai Phone N Truck No	Name / Ar /	SIGNATURE
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(PRINT) AUTHORIZED AGENTS SIGNATURE  Transporter's Name Address  Phone No. I hereby certify that the above named material shipment DATE	ial(s) was/were picked up at the Ge	DATE TRANSPORTER  Driver's I Print Nar Phone N Truck No	Name ne p. ded without incident to the disposed belivery DATE	osal facility listed below.
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(PRINT) AUTHORIZED AGENTS SIGNATURE  Transporter's Name Address  Phone No. I hereby certify that the above named material series of the series	ial(s) was/were picked up at the Ge  DRIVER'S SIGNATURE  FAMP  -065  Ida, TX 79770	TRANSPORTER  Driver's I  Print Nat Phone N  Truck Not nerator's site listed above and deliver  Phone N  If YES, Conduct (mmh	Name  DELIVERY DATE  Name	DESIGNATURE  DESIGNATURE  DESIGNATURE  RECEIVING AREA  //No.  Pens? (circle one)  PH
(PRINT) AUTHORIZED AGENTS SIGNATURE  Transporter's Name Address  Phone No. I hereby certify that the above named material SHIPMENT DATE  TRUCK TIME ST IN: OUT: Site Name/ Permit No. Address S053 US Highway 285, Or NORM READINGS TAKEN? (Conchoride Chemical Analysis (Mg/I))  Feet  1st Gauge	ial(s) was/were picked up at the Ge  DRIVER'S SIGNATURE  FAMP  -065  la, TX 79770  Circle One)  YES	TRANSPORTER  Driver's I  Print Nat Phone N  Truck Not nerator's site listed above and deliver  Phone N  If YES, Conduct (mmh	Name  DELIVERY DATE  Name	DISTRICT OF SIGNATURE  DESTRUCTION OF SIGNATURE  RECEIVING AREA  (No
(PRINT) AUTHORIZED AGENTS SIGNATURE  Transporter's Name Address  Phone No. I hereby certify that the above named material SHIPMENT DATE  TRUCK TIME ST IN: OUT:  Site Name/ Permit No. Address  Red Bluff Facility/ STF- 5053 US Highway 285, Orl NORM READINGS TAKEN? (C) Chloride Chemical Analysis (Mg/I)  Feet	ial(s) was/were picked up at the Ge  DRIVER'S SIGNATURE  FAMP  -065  la, TX 79770  Circle One)  YES	TRANSPORTER  Driver's I  Print Nat Phone N  Truck Not nerator's site listed above and deliver  Phone N  If YES, Conduct (mmh	Name  ne  o.  ded without incident to the disposition  DELIVERY DATE  Name/  o.  432-448-4239  was reading > 50 micro roentge ivity os/cm)  BS&W/BBLS Received	DESIGNATURE  DESIGNATURE  DESIGNATURE  RECEIVING AREA  //No.  Pens? (circle one)  PH
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369) EUTIONS							distance of the state	Filone	e No
					GENERAT	TOR	N	10.	8002525
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erators Name			1		THE PERSON	County	Tell Mark time	at at	arease Louis March
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ine No.						AFE/PO No.	production of the second		
	E	EMPT E&P W			nd Amount (place	volume next to v	waste type in barrels	or cubic yard	is)
Based Muds		- Hyan		ABLE WATERS			OTHER EXEMPT WA	STES (type and ge	eneration process of the waste)
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iter Based Cutt			Produced Wa	ater (Non-Injectal	ole)		1-1-1	7)4	
duced Format	tion Solids			ne Water/Waste (	Non-Injectable)				
nk Bottoms P Contaminate	nd Soil		Truck Washo	ut (exempt waste	2)		Art and I was a second		
Plant Waste	ed 3011		Track Washe						
	ATION PROCESS:		DRILLING		COMPLETIC	ON	PRODUCTION		GATHERING LINES
THE SPACE				NON-EXEMPT E	&P Waste/Service I	dentification and Am	nount	Training of Depart	St. day
	Alln	on-exempt E&I	waste must be	analysed and be l	below the threshold	limits for toxicity (To	CLP), Ignitability, Corro	sto List on Keact	uvity.
-Exempt Othe	er					*please select f	from Non-Exempt Wa	ste List on back	
INTITY				B - BARRELS	5		190	- YARDS	E - EACH
		material(s) is l	are) not a hazari	lous waste as del	fined by 40 CER Part	261 or any applicab	le state law. That each	waste has been	n properly described, classified a
reby certify th	in proper condition	for transportat	ion according to	applicable regula	ation.				
		Oil field wastes	generated from	oil and gas explo	ration and producti	on operations and a	re not mixed with non-	exempt waste (	R360 Accepts certifications on a
RCRA EXE	EMP1:	load basis only	)						
_								and the state of t	tablished in RCRA regulations 4
PCRA NO	N-EXEMPT.	Oil field waste	which is non-haz	ardous that does	not exceed the min	nimum standards for	waste hazardous by ch	naracteristics es	tablished in KCKA regulations, 4
RCRA NOI		261.21-261.24	or listed hazard	ous waste as defi	ned by 40 CFR, part	imum standards for 261, subpart D, as a	waste hazardous by cl mended. The following	documentation	stablished in RCRA regulations, 4 n demonstrating the waste as no
RCRA NOI		261.21-261.24	or listed hazard	ous waste as defi he appropriate it	ned by 40 CFR, part ems as provided)	261, subpart D, as a	mended. The following	gocumentation	n demonstrating the waste as no
RCRA NOI		261.21-261.24	or listed hazard tached. (Check t	ous waste as defi he appropriate it	ned by 40 CFR, part	261, subpart D, as a	waste hazardous by ci mended. The following Other (Provide Des	gocumentation	n demonstrating the waste as no
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EXE	MPT E&P Waste/Service		unt (place volum	e next to wast	e type in barrels or THER EXEMPT WASTES	(type and generation	on process of the waste)
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eter Based Cuttings oduced Formation Solids	Produced W Gathering Lin	ater (Non-Injectable) ne Water/Waste (Non-Inje	ectable)		Karl.		
nk Bottoms	INTERNAL U	SEONLY			no Anti-basin		
P Contaminated Soil as Plant Waste	Truck Washo	out (exempt waste)					
ASTE GENERATION PROCESS:	DRILLING	co	OMPLETION	P	RODUCTION	GAT	HERING LINES
公元为法律 [2] [2] [2] [2] [4] [4] [2]	n-exempt E&P waste must be	NON-EXEMPT E&P Wast	te/Service Identific	ation and Amour	t , Ignitability, Corrosivit	y and Reactivity.	tr Seiner Street Name (1975)
n-Exempt Other	n-exempt EXP waste must be	analysed and be below th	*p	lease select from	Non-Exempt Waste L	ist on back	
		B - BARRELS			10 Y-YA	ARDS	E - EACH
ANTITY  ereby certify that the above listed m			40 CER Part 361 or	any applicable st	ate law. That each wa	ste has been prop	erly described, classified
_/ 0	or transportation according to Dil field wastes generated from	n oil and gas exploration ar	nd production oper	ations and are n	ot mixed with non-exe	mpt waste (R360	Accepts certifications on
RCRA EXEMPT:	t to and a seed of						
RCRA NON-EXEMPT: C	oad basis only) Dil field waste which is non-ha 261.21-261.24, or listed hazaro	zardous that does not exce	eed the minimum s	tandards for was	te nazaruous by criara	rumentation dem	onstrating the waste as n
2	261.21-261.24, or listed hazard	dous waste as defined by 4		hnart D as amer	ded. The following do		
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(PRINT) AUTHORIZED AGENTS SIGN  ransporter's lame ddress  thone No. hereby certify that the above name  SHIPMENT DATE  TRUCK TIN  IN:  Site Name/ Permit No. Address  S053 US Highway  NORM READINGS TA Chloride  Chemical Analysis (Mg/I)  Fell  1st Gauge	MATURE  Anatorial (s) was/were picker  DRIVER'S SIGI  ME STAMP  OUT:  tty/ STF-065  285, Orla, TX 79770  AKEN? (Circle One)  YES	TRA  d up at the Generator's site  NATURE  DISPO	DATE  ANSPORTI  Dr  Pr  Pr  E listed above and of	TR  Iver's Name Int Name One No. Uck No. Idelivered without DELIVER  ILITY  Inone No.  If YES, was readin Onductivity (mmhos/cm)	Cother (Provide Descrip  Cother (Provide Descr	al facility listed be RECEIVING	elow.  NIVER'S SIGNATURE  G AREA  YES N pH
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Received by OCD: 10/28/2021 2:4	7:06 PMEXAS NON-HAZARDOUS OILFIELD WASTE MANIF	EST Company Man Contact Information
R369 BOUMENTAL SOUTHINS	(PLEASE PRINT) *REQUIRE	D INFORMATION* NamePhone No
	GENERATOR	NO. 8002527
perster No.	Permit/RRC No.	The state of the s
perator No.	Lease/Well	Therefore my miles 18 19 Herston
perators Name	Name & No.	it's Next, is being many a Macon of all disorts.
	County	SELECT STORM RETURN THE THE TRANSPORT
	API No.	Lib and this street and a street here; and
ty, State, Zip	Rig Name & No.	Land to the state of the state
none No.	AFE/PO No.	
EXEMPT E&P Wa	ste/Service Identification and Amount (place volume next to was	te type in barrels or cubic yards). THER EXEMPT WASTES (type and generation process of the waste)
il Based Muds	NON-INJECTABLE WATERS  Washout Water (Non-Injectable)	THER EXEMIT WASTES (type and generation process of the waste)
il Based Cuttings	Completion Fluid/Flow back (Non-Injectable)	A THE PARTY OF THE
Vater Based Cuttings	Produced Water (Non-Injectable)	RE/L DUNI
roduced Formation Solids	Gathering Line Water/Waste (Non-Injectable) INTERNAL USE ONLY	Man There is found the week there
ank Bottoms &P Contaminated Soil	Truck Washout (exempt waste)	property and a series of the s
as Plant Waste		CATHEDING LINES
VASTE GENERATION PROCESS:	DRILLING COMPLETION F	PRODUCTION GATHERING LINES
	NON-EXEMPT E&P Waste/Service Identification and Amous waste must be analysed and be below the threshold limits for toxicity (TCLP)	nt     Jenitability Corrosivity and Reactivity
on-Exempt Other	waste must be analysed and be below the threshold limits for toxicity (rect	Non-Exempt Waste List on back
		Y - YARDS E - EACH
UANTITY	B - BARRELS re) not a hazardous waste as defined by 40 CFR Part 261 or any applicable st	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
RCRA EXEMPT: Oil field wastes g load basis only)	n according to applicable regulation.  enerated from oil and gas exploration and production operations and are n  hich is non-hazardous that does not exceed the minimum standards for was  to list and hazardous waste as defined by 40 CFR, part 261, subpart D, as amer	ste hazardous by characteristics established in RCRA regulations, 40 Cl
RCRA EXEMPT: Oil field wastes g load basis only)  RCRA NON-EXEMPT: Oil field waste w 261.21-261.24, c	enerated from oil and gas exploration and production operations and are n hich is non-hazardous that does not exceed the minimum standards for was ir listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amer iched. (Check the appropriate items as provided)	ste hazardous by characteristics established in RCRA regulations, 40 CF
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RCRA EXEMPT: Oil field wastes g load basis only) Oil field waste w 261.21-261.24, c hazardous is atta	enerated from oil and gas exploration and production operations and are n hich is non-hazardous that does not exceed the minimum standards for was ir listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amer iched. (Check the appropriate items as provided)	ste hazardous by characteristics established in RCRA regulations, 40 CF anded. The following documentation demonstrating the waste as non-
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reby certify that the above lis	tad material(e) is lar	a) not a bazardou		ed by 40 CFR Par	t 261 or any applicat	ole state law. That e	ach waste ha	s been pro	perly described, cl	lassified a
ereby certify that the above its kaged, and is in proper condi	· f - to	a according to ani	direction regulation	aa						
kaged, and is in proper condi	Oil field wastes g	enerated from oil	and gas explora	tion and product	ion operations and a	re not mixed with n	on-exempt w	aste (R360	Accepts certificat	ions on a
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Received by OCD: 10/2	8/2021 2:4	7:06 PM EXAS NON-H	AZARDOUS OILFIEL (PLEASE PRIN		IFEST ED INFORMATION*	Name	Page 101 of 148
SOLUTIONS					Fine the first state of the	Phone No	
			GENERATO	OR	NO.	300253	0
Operator No.		m/ //	The street of the	Permit/RRC No. Lease/Well Name & No.	rate we	10 24	Fil nesu
Operators Name	7000	PMIN 18 1 3	minus evilini	County		ALL HILL	The same of
Address		-		API No.	30-075	==4/B	128
No. 60% 754	Tggmants'			Rig Name & No.		The second second	To Administration
City, State, Zip				AFE/PO No.			
Phone No.	ENADT ES.D \A/s	ste/Service Identification	and Amount (place v	olume next to wa	ste type in barrels or cul	bic yards)	
Oil Based Muds	LIVIP I LOCI VVO	NON-INJECTABLE WATERS			OTHER EXEMPT WASTES (ty	pe and generation proce	ess of the waste)
Oil Based Cuttings		Washout Water (Non-Inject Completion Fluid/Flow back	(Non-Injectable)				December of the second
Water Based Muds Water Based Cuttings		Produced Water (Non-Injec	table)		13-11	1 Technic	
Produced Formation Solids		Gathering Line Water/Wast	e (Non-Injectable)		OF THE		pringulation of
Tank Bottoms	-	INTERNAL USE ONLY Truck Washout (exempt wa	ste)		THE RESERVE AND PARTY.		most karner
E&P Contaminated Soil Gas Plant Waste		Truck washout (exempt we					NO LINES
WASTE GENERATION PROCESS:		DRILLING	COMPLETION		PRODUCTION	GATHERIN	NG LINES
	ENGRICAL STATE	NON-EXEMP	T E&P Waste/Service Ide	ntification and Amo	unt	ad Banethrity	
All n	on-exempt E&P	waste must be analysed and t	e below the threshold li	mits for toxicity (TCL	P), Ignitability, Corrosivity a	on back	
Non-Exempt Other				*please select fro	om Non-Exempt Waste List	OH DUCK	
QUANTITY		B - BARRI			Y-YARD	***	E - EACH
I hereby certify that the above listed	material(s), is (a	re) not a hazardous waste as	defined by 40 CFR Part 2	61 or any applicable	state law. That each waste	has been properly de	escribed, classified and
packaged, and is in proper condition	for transportation	in according to applicable reg	ulation.				
RCRA EXEMPT:		enerated from oil and gas ex	ploration and production	operations and are	not mixed with hor-exemp	, waste (haddonstap)	
- The American Control of the Contro	load basis only)	hich is non-hazardous that do	pes not exceed the minin	num standards for w	aste hazardous by characte	ristics established in f	RCRA regulations, 40 CFR
RCRA NON-EXEMPT:	261.21-261.24, 0	or listed hazardous waste as d	lefined by 40 CFR, part 20	51, subpart D, as am	ended. The following docum	nentation demonstrat	ting the waste as non-
	hazardous is atta	ached. (Check the appropriate	e items as provided)				
	MSDS Information	on RCRA Ha	zardous Waste Analysis	147	Other (Provide Description	1 Below)	
					THE REAL PROPERTY.	THE WAY	17-
	and the last			DATE	10	SIGNATURE	Control of the contro
(PRINT) AUTHORIZED AGENTS SI	SNATURE						aparty anameny
F			TRANSPO	RIER			
Transporter's		1.7		Driver's Name		1 1	2
Name	12000	10 405		Print Name			- 1
Address				Phone No.			migrafight t
				Truck No.	137 561		
I hereby certify that the above name	F 7 1000	A constabled up at the Con-	erator's site listed above	and delivered witho	out incident to the disposal f	acility listed below.	
I hereby certify that the above nam	ed material(s) wa	as/were picked up at the den	erator 3 site iisted above	nspirit (1)			and Start
SHIPMENT DATE		DRIVER'S SIGNATURE		DELIV	VERY DATE	DRIVER'S SI	
	ME STAM	P	DISPOSAL FA	ACILITY	RE	ECEIVING AR	EA
	OUT:	The second second			Name/No	. <u>YU</u>	A the Tale and
IN: I I I I I I	001.	The second second				and the second process	ger gregom magazin i
Permit No. Red Bluff Faci	lity/ STF-065			Phone No.	432-448-4239		
Terrine 140:	y 285, Orla, TX 7	9770		The state of the s			
NORM READINGS T			NO		ding > 50 micro roentgens? (	(circle one) YE	ES NO
Chloride				Conductivity (mmhos/cm)_			рН
Chemical Analysis (Mg/l)			TANK BOT	TOMS		services tomo	o-producingen in
	Feet	Inches	NAIGN 22				LILIA DA PRODUCE POR CONTRACTOR POR
1st Gauge	reet		The state of the state of	В	S&W/BBLS Received	BS&V	N (%)
2nd Gauge			perior by Armi	u i <u>ingaali ali</u>	Free Water Total Received	V-1	
Received			Division A service of		iotal necesses		
I hereby certify that the above	load material has	been (circle one): ACI	CEPTED DENIED	If denied, wh	ny?	n meet however at	our-cust plant to
Thereby certify that the above	A A A	Valley St	T VI				
NAME (PRINT)	)/	DATE		TITLE		SIGNATURE	
NAIVIE (PRINT)		- 4					

TAL O			FIIORE	e No
	GENE	RATOR	NO.	8002531
tor No. Congres 14	1/23	Permit/RRC No. Lease/Well		
torr Name		Name & No.	cabo unho	24 Fort on
tors Name	* To the them are any	County		s provide a ple unado
		API No.	7/2015	- 402482
A Communication of the Communi	the second section in the second	Rig Name & No.	200	A while the reason
tate, Zip	and the second of the second s	AFE/PO No.	TO SULLING ME SULLING	The state of the s
No	a market internal			
	/aste/Service Identification and Amount		ype in barrels or cubic yard ER EXEMPT WASTES (type and g	
sed Mudssed Cuttings	Washout Water (Non-Injectable)	On	EN EXCIVITAT VVASTES (TYPE and S	eneration process of the whatej
r Based Muds	Completion Fluid/Flow back (Non-Injectable	e)		
r Based Cuttings	Produced Water (Non-Injectable) Gathering Line Water/Waste (Non-Injectable)			
Bottoms	INTERNAL USE ONLY		Attention I despuse	
Contaminated Soil	Truck Washout (exempt waste)			rattles Campio Com-
lant Waste	l source	DDC DDC	DUCTION	GATHERING LINES
TE GENERATION PROCESS:			DOCTION	GATTERING LINES
All non-exempt E&F	NON-EXEMPT E&P Waste/Se waste must be analysed and be below the three	rvice Identification and Amount eshold limits for toxicity (TCLP), Ig	nitability, Corrosivity and Reac	nivity.
xempt Other			on-Exempt Waste List on back	
TITY	B - BARRELS		Y-YARDS	E - EACH
	are) not a hazardous waste as defined by 40 CF	R Part 261 or any applicable state	law. That each waste has bee	n properly described, classified a
ged, and is in proper condition for transportat	ion according to applicable regulation.	it rait 201 or any applicable state		minet white
Oil field wastes	generated from oil and gas exploration and pro	oduction operations and are not n	nixed with non-exempt waste (	R360 Accepts certifications on a
RCRA EXEMPT: load basis only)				
RCRA NON-EXEMPT: Oil field waste	which is non-hazardous that does not exceed th	ne minimum standards for waste h	nazardous by characteristics es	tablished in RCRA regulations, 40
	or listed hazardous waste as defined by 40 CFR		i. The following documentation	demonstrating the waste as no
	tached. (Check the appropriate items as provide		ar (Provide Description Relow)	
hazardous is at			er (Provide Description Below)	
			er (Provide Description Below)	
MSDS Informat		Analysis Other	12/1	MATIJE
	ion RCRA Hazardous Waste A	Analysis Other	12/1	NATURE
MSDS Informat	ion RCRA Hazardous Waste A	Analysis Other	12/1	NATURE
MSDS Information (PRINT) AUTHORIZED AGENTS SIGNATURE	ion RCRA Hazardous Waste A	Analysis Other	12/1	NATURE
(PRINT) AUTHORIZED AGENTS SIGNATURE	ion RCRA Hazardous Waste A	DATE  SPORTER  Driver's Name	12/1	NATURE
(PRINT) AUTHORIZED AGENTS SIGNATURE	ion RCRA Hazardous Waste A	DATE  DOTE  Driver's Name  Print Name	12/1	NATURE
(PRINT) AUTHORIZED AGENTS SIGNATURE	ion RCRA Hazardous Waste A	DATE  DATE  Driver's Name  Print Name Phone No.	12/1	NATURE
(PRINT) AUTHORIZED AGENTS SIGNATURE  porter's  e No.	TRANS	DATE  SPORTER  Driver's Name  Print Name  Phone No.  Truck No.	SIG	24
(PRINT) AUTHORIZED AGENTS SIGNATURE  porter's  e No.	ion RCRA Hazardous Waste A	DATE  SPORTER  Driver's Name  Print Name  Phone No.  Truck No.	SIG	24
(PRINT) AUTHORIZED AGENTS SIGNATURE  DOPTER'S  ENO.  by certify that the above named material(s) w	TRANS	DATE  SPORTER  Driver's Name  Print Name  Phone No.  Truck No.	sig	24
(PRINT) AUTHORIZED AGENTS SIGNATURE  porter's  e No.  c by certify that the above named material(s) w  SHIPMENT DATE	TRANS  TRANS  as/were picked up at the Generator's site listed  DRIVER'S SIGNATURE	DATE  SPORTER  Driver's Name  Print Name  Phone No.  Truck No.  d above and delivered without inci	sig dent to the disposal facility list	ed below.
(PRINT) AUTHORIZED AGENTS SIGNATURE  porter's  e No.  by certify that the above named material(s) w  SHIPMENT DATE  TRUCK TIME STAM	TRANS  TRANS  as/were picked up at the Generator's site listed  DRIVER'S SIGNATURE	DATE  SPORTER  Driver's Name  Print Name  Phone No.  Truck No.  d above and delivered without incidents	dent to the disposal facility list	ed below.  DRIVER'S SIGNATURE
(PRINT) AUTHORIZED AGENTS SIGNATURE  porter's e No. e No. SHIPMENT DATE  TRUCK TIME STAM OUT:	TRANS  TRANS  as/were picked up at the Generator's site listed  DRIVER'S SIGNATURE	DATE  SPORTER  Driver's Name  Print Name  Phone No.  Truck No.  d above and delivered without inci	sig dent to the disposal facility list	ed below.  DRIVER'S SIGNATURE
(PRINT) AUTHORIZED AGENTS SIGNATURE  porter's e No. eby certify that the above named material(s) w  SHIPMENT DATE  TRUCK TIME STAM  OUT:  Jame/	TRANS  TRANS  as/were picked up at the Generator's site listed  DRIVER'S SIGNATURE	DATE  SPORTER  Driver's Name  Print Name  Phone No.  Truck No.  d above and delivered without incident of the second of the seco	dent to the disposal facility list	ed below.  DRIVER'S SIGNATURE
(PRINT) AUTHORIZED AGENTS SIGNATURE  porter's e	TRANS  as/were picked up at the Generator's site listed  DRIVER'S SIGNATURE  P  DISPOSA	DATE  SPORTER  Driver's Name  Print Name  Phone No.  Truck No.  d above and delivered without incident of the second of the seco	dent to the disposal facility list  RECEIV  Name/No.	ed below.  DRIVER'S SIGNATURE
(PRINT) AUTHORIZED AGENTS SIGNATURE  porter's exist and the state of t	TRANS  as/were picked up at the Generator's site listed  DRIVER'S SIGNATURE  P  DISPOSA	DATE  SPORTER  Driver's Name Print Name Phone No. Truck No. d above and delivered without inci	dent to the disposal facility list  RECEIV  Name/No.	ed below.  DRIVER'S SIGNATURE  ING AREA
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(PRINT) AUTHORIZED AGENTS SIGNATURE  POPTER'S  POPULATE  TRUCK TIME STAM  OUT:  Jame/ It No.  Red Bluff Facility/ STF-065  5053 US Highway 285, Orla, TX 7  NORM READINGS TAKEN? (Circle Or Chloride	TRANS  as/were picked up at the Generator's site listed  DRIVER'S SIGNATURE  P  DISPOSA  9770  ne) YES NO	DATE  SPORTER  Driver's Name  Print Name  Phone No.  Truck No.  d above and delivered without incident of the second of the seco	dent to the disposal facility list  RECEIV  Name/No.	ed below.  DRIVER'S SIGNATURE  ING AREA
(PRINT) AUTHORIZED AGENTS SIGNATURE  POPTER'S  POPULATE  TRUCK TIME STAM  OUT:  Jame/ It No.  Red Bluff Facility/ STF-065  5053 US Highway 285, Orla, TX 7  NORM READINGS TAKEN? (Circle Or Chloride	TRANS  as/were picked up at the Generator's site listed  DRIVER'S SIGNATURE  P  DISPOSA  9770  ne) YES NO	DATE  SPORTER  Driver's Name  Print Name  Phone No.  Truck No.  d above and delivered without incident of the second of the seco	dent to the disposal facility list  RECEIV  Name/No.	ed below.  DRIVER'S SIGNATURE  ING AREA  PLANT OF THE PROPERTY
(PRINT) AUTHORIZED AGENTS SIGNATURE  porter's exist and possible provided in the provided agents signature  porter's exist and possible provided agents signature  porter's exist and possible provided agents signature  TRUCK TIME STAM OUT:    Comparison   Comparison	TRANS  as/were picked up at the Generator's site listed  DRIVER'S SIGNATURE  P  DISPOSA  9770  ne) YES NO	DATE  SPORTER  Driver's Name  Print Name  Phone No.  Truck No.  d above and delivered without incident of the second of the seco	dent to the disposal facility list  RECEIV  Name/No.  448-4239  50 micro roentgens? (circle one	ed below.  DRIVER'S SIGNATURE  ING AREA  P) YES NO
(PRINT) AUTHORIZED AGENTS SIGNATURE  porter's expectation of the property of t	TRANS  as/were picked up at the Generator's site listed  DRIVER'S SIGNATURE  P  DISPOSA  9770  ne) YES NO	DATE  SPORTER  Driver's Name  Print Name  Phone No.  Truck No.  d above and delivered without incident of the second of the seco	dent to the disposal facility list  RECEIV  Name/No.	ed below.  DRIVER'S SIGNATURE  ING AREA  PS NO
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MSDS Information  (PRINT) AUTHORIZED AGENTS SIGNATURE  porter's ess e No. eby certify that the above named material(s) w  SHIPMENT DATE  TRUCK TIME STAM  OUT:  Slame/ it No. ess So53 US Highway 285, Orla, TX 7  NORM READINGS TAKEN? (Circle Or Chloride nical Analysis (Mg/l)  Feet  auge Gauge ived	TRANS  TRANS  as/were picked up at the Generator's site listed  DRIVER'S SIGNATURE  P  DISPOSA  9770  NO  TANK B  Inches	DATE  SPORTER  Driver's Name  Print Name  Phone No.  Truck No.  d above and delivered without incident of the second of the seco	dent to the disposal facility list  RECEIV Name/No.  448-4239  50 micro roentgens? (circle one	ed below.  DRIVER'S SIGNATURE  ING AREA  P) YES NO
(PRINT) AUTHORIZED AGENTS SIGNATURE  porter's expectation of the property of t	TRANS  TRANS  as/were picked up at the Generator's site listed  DRIVER'S SIGNATURE  P  DISPOSA  9770  NO  TANK B  Inches	DATE  SPORTER  Driver's Name  Print Name  Phone No.  Truck No.  d above and delivered without incident of the second of the seco	dent to the disposal facility list  RECEIV Name/No.  448-4239  50 micro roentgens? (circle one	ed below.  DRIVER'S SIGNATURE  ING AREA  P) YES NO
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MSDS Information  (PRINT) AUTHORIZED AGENTS SIGNATURE  porter's ess e No. eby certify that the above named material(s) w  SHIPMENT DATE  TRUCK TIME STAM  OUT:  Slame/ it No. ess So53 US Highway 285, Orla, TX 7  NORM READINGS TAKEN? (Circle Or Chloride nical Analysis (Mg/l)  Feet  auge Gauge ived	TRANS  TRANS  as/were picked up at the Generator's site listed  DRIVER'S SIGNATURE  P  DISPOSA  9770  NO  TANK B  Inches	DATE  SPORTER  Driver's Name  Print Name  Phone No.  Truck No.  d above and delivered without incident of the second of the seco	dent to the disposal facility list  RECEIV Name/No.  448-4239  50 micro roentgens? (circle one BBLS Received Free Water otal Received	ed below.  DRIVER'S SIGNATURE  ING AREA  P) YES NO

Received by	v OCD: 10/28/2021 2:4	7:06 PMEXAS NO		S OILFIELD \	WASTE MANI *REQUIR	IFEST RED INFORMATION*	Name	any Man Contact Page	103 of 148
RONMENTAL SOLUTIONS					Time and	NO	Phone No		0.0
			GEN	ERATO		NO.		80025	39
perator No.			<del>alan</del> iya 4		rmit/RRC No. ase/Well	11 A TO STATE OF THE STATE OF T	O- ox ot	the wife and the	15A
perators Name	Capara DA	11,15		Na	me & No.	cabo up	ho L	of W	12054
ddress	Conses for	1-1-3			unty	211-19/5	Lik ( ).	2480	0 //
					I No.	The second of the	manaita	amente virtali	and /
City, State, Zip			<del>count</del> ing out		g Name & No. E/PO No.			NEW THE PARTY	
Phone No.			701			aste type in barrels or	cubic vards)	Man Sand	
O'll Parent Marida	EXEMPT E&P Wa	NON-INJECTABLE WA		nt (place voic	ine next to we	OTHER EXEMPT WASTES	(type and gener	ation process of the w	aste)
Oil Based Muds Oil Based Cuttings		Washout Water (Non-	-Injectable)						
Water Based Muds Water Based Cuttir		Completion Fluid/Flov Produced Water (Nor		able)	<del>- 1 - 1 - 1</del> × /	partial tell pills	1-		S. O. S. H. H.
Produced Formation		Gathering Line Water	r/Waste (Non-Injec	table)		ENT?	JUNG		and a
Tank Bottoms E&P Contaminated	I Soil	Truck Washout (exem	npt waste)	and the		Talled the market beauty	ig idemi/ -		Rent
Gas Plant Waste						PRODUCTION		ATHERING LINES	
WASTE GENERA	TION PROCESS:	DRILLING		MPLETION				ATTIETH TO EITH	
	All our overnet F&P	NON-E	EXEMPT E&P Waste	/Service Identi threshold limit	fication and Amo s for toxicity (TCI	ount LP), Ignitability, Corrosivit	y and Reactivit	y.	
Non-Exempt Other		Wilder III of the Control of the Con			*please select fro	om Non-Exempt Waste I	ist on back		
		Ď.	BARRELS			/// Y-Y/	RDS	E	- EACH
QUANTITY	at the above listed material(s), is (ar			0 CER Dart 261	or any applicable	state law. That each wa	ste has been p	roperly described,	classified and
I hereby certify that		on according to applicat	nie regulation.						
-2	Oil field wastes g	generated from oil and	gas exploration an	d production of	erations and are	e not mixed with non-exe	npt waste (R36	50 Accepts certifica	tions on a per
RCRA EXEN	VIPT: load basis only)								
RCRA NON	I-EXEMPT: Oil field waste w	hich is non-hazardous t or listed hazardous was	that does not exceed te as defined by 40	ed the minimun CFR, part 261,	subpart D, as am	vaste hazardous by chara nended. The following do	cumentation de	emonstrating the w	aste as non-
	hazardous is atta	ached. (Check the appro	opriate items as pr	ovided)					
	MSDS Information	on RC	CRA Hazardous Wa	ste Analysis	angh L	Other (Provide Descrip	tion Below)		
						UNITED STATES	10 100	DK .	
				-92	100 / ME	- 14	SIGNAT	URE	
(PRINT)	AUTHORIZED AGENTS SIGNATURE		THE PARTY AND		-	1 11 /	Trade and a		
			IKA	NSPORT	EK	0.6	121	,	
Transporter's		11 -	,		Driver's Name	Joe .	12/1	a) - S	
Name Address	Will our Pat	hah.	1		Print Name				
	1410000	N HELLY	4115		Phone No.			1.0	
Phone No.		V			Truck No.	11/51	1.6 30 10 6	Photography	
I hereby certify th	nat the above named material(s) wa	as/were picked up at th	ne Generator's site	listed above an	d delivered with	out incident to the dispos	al facility listed	below.	11
		DRIVER'S SIGNATURE			DELI	VERY DATE	20-	DRIVER'S SIGNATURE	
SHIPME	TRUCK TIME STAM		DISPO	SAL FAC	CILITY		RECEIVIN	IG AREA	Marine Company
INI.	OUT:		D101 0			Name/N	No.	171	-u/ 10/04
IN:					et and and	Tribular	per late.	1	
Site Name/ Permit No.	Red Bluff Facility/ STF-065	AV.			Phone No.	432-448-4239	7		
Address	5053 US Highway 285, Orla, TX 7	9770			UNINOTES VICES		2 (sizalo ano)	YES	NO
N	IORM READINGS TAKEN? (Circle Or Chloride	ne) YES	NO		If YES, was rea Conductivity	ding > 50 micro roentgen	sr (circle one)	163	7
Chemical Analysi					(mmhos/cm)_				рН
				K BOTT	OMS				
1st Gauge	Feet	Inch	es		В	3S&W/BBLS Received	THE STREET	BS&W (%)	
1st Gauge 2nd Gauge						Free Water Total Received		District	
Received						Total Neceived			
I hereby certi	ify that the above load material has	been (circle one):	ACCEPTED	DENIED	If denied, wh	hy?	ومنا للوضولان		Should t
, notedy cert	A		VII		10	ALC		CONTRACTOR OF THE SAME	a March e
	NAME (PRINT)	DAT	TE / E /	7-5-	TITLE	* /	SIGN	ATURE	

RISE SOLUTIONS SOLUTIONS	(PLEASE PRINT) *REQUI	RED INFORMATION* Name Phone No
perator No.  perators Name dress  y, State, Zip one No.	Permit/RRC No. Lease/Well Name & No. County API No. Rig Name & No. AFE/PO No.	No. 8002538 Cata water 24 Feel 2059 39 215 42482
	tification and Amount (place volume next to wa	aste type in barrels or cubic yards)
iil Based Muds iil Based Cuttings Washout Water (N Vater Based Muds Vater Based Cuttings Vater Based Cuttings Vater Based Cuttings Vater Based Couttings Vater Based Couttings Vater Based Cuttings Vater Based Muds Vater Based	WATERS  Non-Injectable)  /Flow back (Non-Injectable)  (Non-Injectable)  ater/Waste (Non-Injectable)	OTHER EXEMPT WASTES (type and generation process of the waste)
as Plant Waste  /ASTE GENERATION PROCESS: DRILLING	COMPLETION	PRODUCTION GATHERING LINES
NO All non-exempt E&P waste must be analy	ON-EXEMPT E&P Waste/Service Identification and Ame ysed and be below the threshold limits for toxicity (TCI *please select fre	ount LP), Ignitability, Corrosivity and Reactivity. om Non-Exempt Waste List on back
YITTAL	B - BARRELS	Y-YARDS E-EACH
RCRA NON-EXEMPT: load basis only)  Oil field waste which is non-hazardou 261.21-261.24, or listed hazardous w hazardous is attached. (Check the approximately 1997)	and gas exploration and production operations and are ous that does not exceed the minimum standards for w waste as defined by 40 CFR, part 261, subpart D, as am	e not mixed with non-exempt waste (R360 Accepts certifications on a power of the normal power of the norma
ALTYNIE I DANK TOTAL	30-11 DATE	SIGNATURE
(PRINT) AUTHORIZED AGENTS SIGNATURE	TRANSPORTER	and the second s
ansporter's ime idress	Driver's Name Print Name Phone No. Truck No.	
one No.  ereby certify that the above named material(s) was/were picked up at	t the Generator's site listed above and delivered without	- 1 - 14 - 11 (8-11-51-1
TRUCK TIME STAMP  N:OUT:	DISPOSAL FACILITY	RECEIVING AREA Name/No.
ite Name/ ermit No. ddress  Red Bluff Facility/ STF-065  5053 US Highway 285, Orla, TX 79770	Phone No.	432-448-4239
NORM READINGS TAKEN? (Circle One)  Chloride  Chemical Analysis (Mg/l)	Conductivity (mmhos/cm)_	ding > 50 micro roentgens? (circle one) YES NO
Feet In	TANK BOTTOMS	and the state of t
Lst Gauge 2nd Gauge Received		S&W/BBLS Received BS&W (%)  Free Water  Total Received
I hereby certify that the above load material has been (circle one):	ACCEPTED DENIED If denied, who	SIGNATURE

Received by OCD: 10/28/2021			NIFEST Compai	ny Man (Page 105 of 148
VIBONMENTAL SOLUTIONS	(P	LEASE PRINT) *REQU	Phone No.	
	GE	NERATOR	NO.	3002537
Operator No.	Teaching the second	Permit/RRC No.	The same of the same of the same of	1006001
periodo No.	21 11	Lease/Well	in and the line of the first of the	Authority States
Operators Name	10 16/11/20	Name & No.	Cabo wabo 24	Fest 205/
Address	1 11/1/2	County	TOWN THE TO	7007
	* It is a substitute of a Plantage by St. In July	API No.	OF LA PARTY OF THE REAL PROPERTY.	TOWN THINK THE THE
City, State, Zip	HOME SHIP COME IN SHOP	Rig Name & No.	water the state of	Contract - Springer
Phone No.	The second secon	AFE/PO No.	100 lot s <del>-11 log de la constant</del>	
	P Waste/Service Identification and Am	ount (place volume next to v		GRALL CHARLES AND
Oil Based Muds Oil Based Cuttings	Washout Water (Non-Injectable)		OTHER EXEMPT WASTES (type and generati	on process of the waste)
Water Based Muds	Completion Fluid/Flow back (Non-Inje	ectable)	./	at a many to America
Water Based Cuttings	Produced Water (Non-Injectable)	instable)	12-11-1	u u a J
Produced Formation Solids Tank Bottoms	Gathering Line Water/Waste (Non-Inj INTERNAL USE ONLY	(ectable)	many and from the many tree would be	
E&P Contaminated Soil	Truck Washout (exempt waste)		white the state of the same of	arentocumb luthint
Gas Plant Waste		COLUNICATION	DRODUCTION GAT	THERING LINES
WASTE GENERATION PROCESS:	DRILLING C	COMPLETION	PRODUCTION GAT	HERING LINES
	NON-EXEMPT E&P Wat E&P waste must be analysed and be below the	ste/Service Identification and Am		Company of the second
	t&P waste must be analysed and be below to		from Non-Exempt Waste List on back	
Non-Exempt Other		pieuse seiect )	TOTH NON-Exempt waste List on back	
QUANTITY	B - BARRELS		Y - YARDS	E - EACH
261.21-261	ste which is non-hazardous that does not exc.  24, or listed hazardous waste as defined by 4 is attached. (Check the appropriate items as properties of the standard of the st	40 CFR, part 261, subpart D, as a provided)	mended. The following documentation demo	onstrating the waste as non-
(PRINT) AUTHORIZED AGENTS SIGNATURE		DATE	SIGNATURE	
	TRA	NSPORTER	100 / 1 / / / / / / / / / / / / / / / /	The first engineers
Transporter's	HV			
Name		Driver's Name	- 1 36 Halling - 1 1	A-All -
Address MAN + 11 A A A	2 Brillian Com	Print Name	The state of the s	
111110000	July S	Phone No.		The state of the s
Phone No.		Truck No.	414 94	
hereby certify that the above named material(	i) was/were picked up at the Generator's site	e listed above and delivered with	out incident to the disposal facility listed be	ow.
SHIPMENT DATE	DRIVER'S SIGNATURE	DELI	IVERY DATE DRI	VER'S SIGNATURE
TRUCK TIME STA	MP DISPO	SAL FACILITY	RECEIVING	AREA
IN: OUT:	w pro a recursion		Name/No.	)
Site Name/				7
Permit No. Red Bluff Facility/ STF-06	5	Phone No.	432-448-4239	
Address 5053 US Highway 285, Orla, 1	X 79770	187	nne resul	all and
NORM READINGS TAKEN? (Circle Chloride	e One) YES NO	Conductivity	ding > 50 micro roentgens? (circle one)	YES NO
Chemical Analysis (Mg/I)	TAN	(mmhos/cm)_ K BOTTOMS	1977) S.	Name to have no
Feet	Inches		Jack months health 17	- March Mills Aufmitter
1st Gauge	Halling and Alley of the	B		BS&W (%)
2nd Gauge	S. of Set West, and Add to 2	To the last state of	Free Water Total Received	Criticity and Colors
Received			, otal neceived	
I hereby certify that the above load material	has been (circle one): ACCEPTED	DENIED If denied, wh	ηγ?	
mslow		8618	The same	and the Collection of
NAME (PRINT)	DATE	TITLE	SIGNATURI	

MENTAL ULTIONS						ППДСП			none N	0,	
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erator No.					Permit/RRC No. Lease/Well	100		- 1747	-	-	and the second
erators Name		1/ 1/	12		Name & No.		/antille	1	100	مقالته الإكا	1
dress	Wer p	1 11 / 1 1 - Pl			County		UNIVE	William	(p/)	7 - 19	
					API No.		303	-015	- Line	249	Z
, State, Zip	restriction of		amaletine H		Rig Name & No.			CONTRACTOR OF THE		46.	10000
one No.					AFE/PO No.		V.,		1		A TIA
	XFMPT E&P Wa	ste/Service Ide	ntification and	Amount (place	volume next to	waste	type in bar	rels or cubic	yards)	15 MILES	THE PARTY
Based Muds		NON-INJECTABL	LE WATERS			OTH	IER EXEMPT	WASTES (type a	and gener	ration process	f the waste)
Based Cuttings		A CONTRACTOR OF THE PROPERTY O	(Non-Injectable)		-	-					
ater Based Muds ater Based Cuttings		The second secon	r (Non-Injectable)								
oduced Formation Solids		Gathering Line V	Water/Waste (Nor	n-Injectable)							
nk Bottoms P Contaminated Soil			(exempt waste)	harrisona 101							
s Plant Waste										ATUEDING	LINES
ASTE GENERATION PROCESS		DRILLING		COMPLETION	V L	PRO	ODUCTION			ATHERING	LINES
	THE WAR TO BE THE TOP OF THE TOP	orto must be an	NON-EXEMPT E&P	Waste/Service Id	entification and Ar imits for toxicity (1	TCLP), Is	gnitability, Co	orrosivity and I	Reactivit	ty, and a second	DOLLETED)
n-Exempt Other	non-exempt E&P	rester illistrater ill	an street after the treet	on the threshold	*please select	from N	lon-Exempt	Waste List on	back		
n-exempt other			No. In the second		127-2-20 (3)		128				E - EACH
JANTITY			B - BARRELS				18how	Y - YARDS			
ereby certify that the above lister	d material(s), is (ar	e) not a hazardou	us waste as define	d by 40 CFR Part 2	261 or any applicat	ble state	e law. That e	ach waste has	s been p	roperly descr	ibed, classified
ckaged, and is in proper condition	for transportatio	n according to ap	l and gas explorati	n. ion and productio	n operations and a	are not	mixed with n	on-exempt wa	aste (R36	60 Accepts ce	rtifications on
RCRA EXEMPT:	load basis only)	enerated from or	i and gas explorati	ion and productio	ii operations und c	are not		20/2/3/14			
TO THE STATE OF TH											
	Oil field waste w	nich is non-hazard	dous that does not	t exceed the minir	mum standards for	r waste	hazardous b	y characteristi	cs estab	lished in RCR	A regulations, 4
RCRA NON-EXEMPT:	Oil field waste w	nich is non-hazard r listed hazardou:	dous that does not s waste as defined	t exceed the mining by 40 CFR, part 2	mum standards for 261, subpart D, as a	or waste amende	hazardous b	y characteristi ving document	cs estab tation de	lished in RCR emonstrating	A regulations, 4 the waste as n
	Oil field waste w 261.21-261.24, o	r listed hazardou:	s waste as defined appropriate items	d by 40 CFR, part 2 s as provided)	61, subpart D, as a	amende	d. The follow	ving document	tation de	lished in RCR emonstrating	A regulations, 4 the waste as n
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SERVICE AND PROCESS:  DESCRIPTION MONEY SCANFORD MO	IMENTAL UTIONS		(PLEASE PRINT)	*REQUIRED INFORMATION* Name _ Phone f	No.
Promity Res No.    County   AP No.   See	WHOMS -		GENERATOR		
Traces Name    Second Policy		N/ //			Mad in Minamana
Section   Sect	erator No.	Ph-1115	Lease/W	ell	12 x 1 1 4 4
AP No.    Settle, Zip	erators Name			No. Cato hapo 2	4/2/ 2054
EXEMPT ESP Waster/Service identification and Amount (place volume next to waster type in barrels or cubic yards)  Based Muss Based Muss Based Muss Based Muss Based Muss Based Chrings Waster Dated Muss Based Chrings Waster Dated Muss Based Chrings Gathering Law Marker Mussel (pice neighbale) Based Muss Based Chrings Gathering Law Marker Mussel (pice neighbale) Based Muss Based Chrings Gathering Law Marker Mussel (pice neighbale) Based Muss Based Chrings All non-essempt SEP waste muss be analyzed and to be loaded that the threshold Infect for control (Tarle) gathalism, Carronowny and Beautring)  All non-essempt SEP waste muss be analyzed and to be loaded that the threshold Infect for control (Tarle) gathalism, Carronowny and Beautring)  All non-essempt SEP waste muss be analyzed and to be loaded that the threshold Infect for control (Tarle) gathalism, Carronowny and Beautring)  All non-essempt SEP waste muss be analyzed and to be loaded that the foreign Marker (Law Marker)  All non-essempt SEP waste muss be analyzed and to be loaded that the foreign Marker (Law Marker)  All non-essempt SEP waste muss be analyzed and to be loaded to marker (Law Marker)  All non-essempt SEP waste muss be analyzed and to be loaded to the foreign Marker (Law Marker)  All non-essempt SEP waste muss be analyzed and to be loaded to the foreign Marker (Law Marker)  All non-essempt SEP waste muss be analyzed and to be loaded to the foreign Marker (Law Marker)  Foreign All non-essempt SEP waste foreign Marker (Law Marker)  All non-essempt SEP waste muss be analyzed and the loaded to the foreig				med moluling of the 15 L	17407
AFFOR IC.    EXEMPLE R.P. Waste/Service Identification and Amount [blace waste type in barrels or cubic yards]   Based Cutting   Based Cutting		a destruction of the state of t		Supprimer No.	I fred Parktypings
EXEMPT ESP Waster/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)  Based Muds  Based Chrifting  Washout Water (Non-injectable)  Washout Water (Non-injectable)  Washout Water (Non-injectable)  Producted Formation Solids  In Comment of the Washout Water (Non-injectable)  Producted Water (Non-injectable)  Product Water (Non-injectable)  Water (Non-injec	, State, Zip	- Of the Part of the Part			English group
Bised Muss Based Cuttings In Based Muss I	ne No.				
Based Curlings  the Based Muds  the Based Muds	EXEMPT		l Amount (place volume n	ext to waste type in barrels or cubic yards	eration propers of the waste)
TREAD AND EXEMPT:    Content of the Content of Content	Based Muds			OTHER EXEMPT WASTES (type and gen	eradon process of the waste)
TRANSPORTER  BOTAL CHANGE  CONTINUED AND CON	Control of the contro			A Letter up serve modern trigger and a	
TRIENDAL USC ONCE  PORTAMINATED SOLVENING  PRODUCTION   PRODUCTION   GATHERING LINES  NON-EXEMPT E&P Waster Push Waster   Solvening   COMPLETION   PRODUCTION   GATHERING LINES  NON-EXEMPT E&P Waster Push Waster Push   Production of the Complete of the Co	ater Based Cuttings	Produced Water (Non-Injectable	e)	- ( )	
Plant Waste    Plant Waste			on-Injectable)	The State of Least Control	La strett a pattern
NON-EXEMPT ESP Waste must be analysed and be former to the transportation of the tracking (CLT), inhabitor, Corrotiving and Receiving.  All non-exempt ESP waste must be analysed and be believer the threadold limits for toxicity (CLT), inhabitor, Corrotiving and Receiving.  All non-exempt ESP waste must be analysed and be believer the threadold limits for toxicity (CLT), inhabitor, Corrotiving and Receiving.  All non-exempt ESP waste must be analysed and be believer the threadold limits for toxicity (CLT), inhabitor, Corrotiving and Receiving.  ARMITY  B-BARRES  F-EACH  Toxical Selection Mon-Exempt Waste list on box  F-EACH  Toxical Selection Mon-Exempt Waste list on any applicable state lim. Toxical Selection Mon-Exempt Waste list on box  F-EACH  Toxical Selection Mon-Exempt Waste list on any applicable state lim.  Toxical Selection Mon-Exempt Waste list on box  F-EACH  Toxical Selection Mon-Exempt Waste list on	P Contaminated Soil			content of any area assumed to the	
NON-EXEMPT EAP Waster must be analysed and be below the threshold limits for toaking (FLEF), generalistic, Corrovinity and Resecuting.  All non-exempt EAP waster must be analysed and be below the threshold limits for toaking (FLEF), generalistic, Corrovinity and Resecuting.  ANTITY  B - BARRELS  Y - YARDS  E - FACH  ANTITY  B - BARRELS  B - FACH  ANTITY  B - BARRELS  B - BACH  B - BARRELS  B - BACH	s Plant Waste		7	DESCRIPTION	GATHERING LINES
ANTITY  B - BARRELS  Y - YARDS  E - EACH  The treby curtify that the above insted material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified an kaged, and is in proper condition for transportation according to applicable regulation.  ARTHY  B - BARRELS  Y - YARDS  E - EACH  Y - YARDS  E - EACH  ANTITY  B - BARRELS  Y - YARDS  E - EACH  ANTITY  B - BARRELS  Y - YARDS  E - EACH  Y - YARDS  E - EACH  ANTITY  B - BARRELS  Y - YARDS  E - EACH  ANTITY  B - BARRELS  Y - YARDS  E - EACH  ANTITY  B - BARRELS  Y - YARDS  E - EACH  ANTITY  B - BARRELS  Y - YARDS  E - EACH  Y - YARDS  E - EACH  ANTITY  B - BARRELS  Y - YARDS  E - EACH  ANTITY  B - BARRELS  Y - YARDS  E - EACH  ANTITY  Y - YARDS  E - EACH  ANTITY  Y - YARDS  E - EACH  ANTITY  ANTITY  B - BARRELS  Y - YARDS  E - EACH  Y - YARDS  E - EACH  ANTITY  N - YARDS  A state each waste has been properly described, classified an Assaged, and is in proper condition for transportation according to application and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a policy include waste part of the miximum, standards for waste hazardous by characteristics established in RCRA regulations, 400  28 2,212-26-124, or listed hazardous waste as defined by 40 CFR, part 261, subpart 0, as amended. The following documentation demonstrating the waste as non-hazardous is statiched. (Check the appropriate terms as provided)  MSDS Information is attached. (Check the appropriate terms as provided)  MSDS Information demonstrating the waste as non-hazardous waste as defined by 40 CFR, part 261, subpart 0, as amended. The following documentations, 400  Truck No.	STE GENERATION PROCESS:	- Application Call			OATTIEMING ENVES
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ANTITY  B. BARNELS  B. BARNELS	La Company	A LOT WORLD MOST CONTROL	*pleas	e select from Non-Exempt Waste List on back	
reby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified an kaged, and is in proper condition for transportation according to applicable regulation.    RCRA EXEMPT:   Olified wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a production operations and are not mixed with non-exempt waste (R360 Accepts certifications) on a production operations and are not mixed with non-exempt waste (R360 Accepts certification on a production operations and are not mixed with non-exempt waste (R360 Accepts certifications, 200 Accepts and support and are not mixed with non-exemp	ANTITY	B - BARRELS		Y-YARDS	E - EACH
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RCRA EXEMPT:   Iodal basis only   Ioda basis	kaged and is in proper condition for trans	nortation according to applicable regulation	on.		
RCRA NON-EXEMPT:   Goad basis only	— Oil field v	vastes generated from oil and gas explora	ition and production operatio	ns and are not mixed with non-exempt waste (R	360 Accepts certifications on a pe
22.1.2.1-2.1.4, or listed hazardous waste as defined by 40 CFR, part 26.1, subpart 0, as amended. The following documentation terministrating the waste of the following documentation terministrations are determined to the following documentation to the disposal facility listed below.  Truck No.  Truck No.  Truck No.  Truck No.  DISPOSAL FACILITY  RECEIVING AREA  Name/No.  Phone No.  432-448-4239  MORM READINGS TAKEN? (Circle One)  Conductivity  Conduc	RCRA EXEMPT: load basi	s only)			
MSDS Information	RCRA NON-EXEMPT: Oil field	vaste which is non-hazardous that does n	ot exceed the minimum stand	ards for waste hazardous by characteristics esta	blished in RCRA regulations, 40 C
MSDS Information   RCRA Hazardous Waste Analysis   Other (Provide Description Below)	261.21-2	61.24, or listed hazardous waste as define	ed by 40 CFR, part 261, subpar	t D, as amended. The following documentation of	actions a deligation of the state of the sta
TRANSPORTER  ansporter's  me  ldress  Print Name  Print Name  Phone No.  Truck No.  sereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.  Selement Date  Decrease secundarial  Decreases secundarial  De				Other (Provide Description Below)	
TRANSPORTER  ansporter's name  bidress  Truck No.  Truck No.  Truck No.  Truck No.  Truck No.  TRUCK TIME STAMP  OUT:  TROUGH Facility/ STF-065  Phone No.  Red Bluff Facility/ STF-065  Phone No.  TOS 305 3U S Highway 285, Orla, TX 79770  NORM READINGS TAKEN? (Circle One) Chloride  TRUCK Inches  TRUCK TIME STAMP  OUT:  TRUCK TIME STAMP  Name/No.  Phone No.  432-448-4239  TRUCK TIME STAMP  Norm READINGS TAKEN? (Circle One) Chloride  Truck No.  TRUCK TIME STAMP  Name/No.  TRUCK TIME SUCHATURE  TRUCK TIME STAMP  Name/No.  TRUCK TIME SUCHATURE  Name/No.  TRUCK TIME SUCHATURE  Name/No.  TRUCK TIME SUCHATURE  DENIED  TRUCK TIME SUCHATURE  TRUCK TIME SUCHATURE  DRIVER'S SIGNATURE  TRUCK TIME SUCHATURE  TRUCK TIME SUCHATURE	☐ MSDS IN	ormation RCRA Hazardi	sus waste Analysis		the state of the s
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TRANSPORTER  ansporter's arme  diverses  Driver's Name  Print Name  Phone No.  Truck No.  Arrectly certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.  BELIVERY DATE  DRIVER'S SIGNATURE  TRUCK TIME STAMP  OUT:  TRUCK TIME STAMP  OUT:  TRUCK TIME STAMP  OUT:  TRUCK TIME STAMP  N:  OUT:  TRUCK TIME STAMP  No A32-448-4239  Free Water  Total Received  Total	38 1 1 1 mm - 1		DATE	SIGN	ATURE
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TRUCK TIME STAMP  N: OUT:  te Name/ Permit No.  Red Bluff Facility/ STF-065  S053 US Highway 285, Orla, TX 79770  NORM REDINGS TAKEN? (Circle One) Chloride Phone No.  If YES, was reading > 50 micro roentgens? (circle one) Conductivity (mmhos/cm)  Feet Inches  BS&W/BBLS Received Free Water Total Received  I hereby certify that the above load material has been (circle one): ACCEPTED  DENIED  If denied, why?					d below.
TRUCK TIME STAMP OUT:  te Name/ Phone No.  Red Bluff Facility/ STF-065  NORM READINGS TAKEN? (Circle One) Chloride Hemical Analysis (Mg/l)  Feet Inches  St Gauge Inches  TANK BOTTOMS  BS&W/BBLS Received Free Water Total Received  I hereby certify that the above load material has been (circle one):  ACCEPTED  DENIED  TIME SIGNATURE  SIGNATURE  SIGNATURE  SIGNATURE  SIGNATURE	ereby certify that the above named mater	al(s) was/were picked up at the Generato	r's site listed above and delive	red without incident to the disposal facility insta	والمراكب المتاكم والممتور المالا الر
TRUCK TIME STAMP  N: OUT:  te Name/ sermit No. dddress  5053 US Highway 285, Orla, TX 79770  NORM READINGS TAKEN? (Circle One) Chloride the memical Analysis (Mg/I)  TANK BOTTOMS  St Gauge and Gauge ecceived  I hereby certify that the above load material has been (circle one):  ACCEPTED  DISPOSAL FACILITY RECEIVING AREA Name/No.  432-448-4239  Phone No. 432-448-4239  If YES, was reading > 50 micro roentgens? (circle one) YES NO Conductivity (mmhos/cm) PH  TANK BOTTOMS  BS&W/BBLS Received Free Water Total Received  I f denied, why?  I f denied, why?		DOWER'S SIGNATURE		DELIVERY DATE	DRIVER'S SIGNATURE
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177 Clark (1913) A TITLE SIGNATURE	I hereby certify that the above load mate	rial has been (circle one): ACCEPTI	ED DENIED If o	enied, why?	communication or an extra plant
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Released to Imaging: 1/31/2022 2:40:31 PMGINAL Blue - TRANSPORTER Yellow - GENERATOR Versi	NAME (PRINT)				NATURE

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&P Contaminated Soil	Truck Washout (exempt waste)	av igt g <del>adalaga ak</del> tildig	out no parament stand - of	OCTOBER DESIGNATION OF THE PERSON OF THE PER
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ereby certify that the above listed material(s), is (	are) not a hazardous waste as defined by 40 (	CFR Part 261 or any applicable state	law. That each waste has been prop	erly described, classified and
ckaged, and is in proper condition for transportat	ion according to applicable regulation.			
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load basis only	which is non-hazardous that does not exceed	the minimum standards for waste h	azardous by characteristics establish	ed in RCRA regulations, 40 C
RCRA NON-EXEMPT: Oil field waste	or listed hazardous waste as defined by 40 C		The fellowing documentation dem	enstrating the waste as non-
261.21-251.24	or listed hazardous waste as defined by 40 C	FR, part 261, subpart D, as amended	. The following documentation dem	otistiating the waste as non
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hazardous is at MSDS Informa  (PRINT) AUTHORIZED AGENTS SIGNATURE  ransporter's lame ddress  hone No. hereby certify that the above named material(s) v  SHIPMENT DATE  TRUCK TIME STAM  N: OUT:  itte Name/ Permit No.  Red Bluff Facility/ STF-065	TRAN  TRAN  TRAN  DRIVER'S SIGNATURE  DISPOS	DATE  SPORTER  Driver's Name  Print Name  Phone No.  Truck No.  ed above and delivered without inci-	dent to the disposal facility listed be  RECEIVING	low.
hazardous is at MSDS Informa  (PRINT) AUTHORIZED AGENTS SIGNATURE  ransporter's same ddress  hone No. hereby certify that the above named material(s) v  SHIPMENT DATE  TRUCK TIME STAM  OUT:  site Name/ Permit No. ddress  Red Bluff Facility/ STF-065 5053 US Highway 285, Orla, TX	TRAN  TRAN  Ass/were picked up at the Generator's site list  DRIVER'S SIGNATURE  DRIVER'S SIGNATURE  DRIVER'S SIGNATURE	DATE  SPORTER  Driver's Name Print Name Phone No. Truck No.  ed above and delivered without incident of the phone No.  AL FACILITY  Phone No.  432	dent to the disposal facility listed be  RECEIVING Name/No.	low.  VER'S SIGNATURE  AREA
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hazardous is at MSDS Informa  (PRINT) AUTHORIZED AGENTS SIGNATURE  ransporter's aame ddress  hone No. hereby certify that the above named material(s) v  SHIPMENT DATE  TRUCK TIME STAM  N: OUT:  itte Name/ Permit No. Address  Red Bluff Facility/ STF-065  5053 US Highway 285, Orla, TX  NORM READINGS TAKEN? (Circle O	TRAN  TRAN  Ass/were picked up at the Generator's site list  DRIVER'S SIGNATURE  DRIVER'S SIGNATURE  DRIVER'S SIGNATURE	DATE  SPORTER  Driver's Name  Print Name  Phone No.  Truck No.  ed above and delivered without incompleted by the second conductivity (mmhos/cm).	dent to the disposal facility listed be  RECEIVING Name/No.	low.  VER'S SIGNATURE  AREA
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hazardous is at MSDS Informa  (PRINT) AUTHORIZED AGENTS SIGNATURE  ransporter's same ddress  hone No. hereby certify that the above named material(s) v  SHIPMENT DATE  TRUCK TIME STAM  OUT:  iite Name/ Permit No. ddress  Red Bluff Facility/ STF-065  5053 US Highway 285, Orla, TX  NORM READINGS TAKEN? (Circle O Chloride Chemical Analysis (Mg/I)  Feet	TRAN  TRAN  Ass/were picked up at the Generator's site list  DRIVER'S SIGNATURE  DRIVER'S SIGNATURE  DRIVER'S SIGNATURE	DATE  SPORTER  Driver's Name  Print Name  Phone No.  Truck No.  ed above and delivered without incompleted by the second conductivity  (mmhos/cm)  BOTTOMS	dent to the disposal facility listed be  RECEIVING Name/No.	JOW.  VER'S SIGNATURE  AREA  YES NO.
hazardous is at MSDS Informa  (PRINT) AUTHORIZED AGENTS SIGNATURE  ransporter's same ddress  hone No. hereby certify that the above named material(s) v  SHIPMENT DATE  TRUCK TIME STAM  OUT:  itie Name/ Permit No. ddress  Red Bluff Facility/ STF-065  5053 US Highway 285, Orla, TX  NORM READINGS TAKEN? (Circle O Chloride Chemical Analysis (Mg/I)	TRAN	DATE  SPORTER  Driver's Name  Print Name  Phone No.  Truck No.  ed above and delivered without incident of the second of the sec	dent to the disposal facility listed be  RECEIVING Name/No.  448-4239  BBLS Received Free Water	VER'S SIGNATURE  AREA  YES NO pH
hazardous is at MSDS Informa  (PRINT) AUTHORIZED AGENTS SIGNATURE  Transporter's same ddress  whone No.  hereby certify that the above named material(s) varieties Name/  N:  TRUCK TIME STAM  OUT:  SHIPMENT DATE  TRUCK TIME STAM  OUT:  Site Name/ Permit No.  Address  NORM READINGS TAKEN? (Circle Of Chloride Chemical Analysis (Mg/I)  Feet  List Gauge	TRAN	DATE  SPORTER  Driver's Name  Print Name  Phone No.  Truck No.  ed above and delivered without incident of the second of the sec	dent to the disposal facility listed be  RECEIVING Name/No.  -448-4239  50 micro roentgens? (circle one)	VER'S SIGNATURE  AREA  YES NO pH
hazardous is at MSDS Informa  MSDS Informa  (PRINT) AUTHORIZED AGENTS SIGNATURE  ransporter's lame address  hone No. hereby certify that the above named material(s) v  SHIPMENT DATE  TRUCK TIME STAM  OUT: bite Name/ Permit No. Address  Red Bluff Facility/ STF-065  5053 US Highway 285, Orla, TX  NORM READINGS TAKEN? (Circle Of Chloride Chemical Analysis (Mg/I)  Feet  Lst Gauge Received	TRAN  TRAN  TRAN  TRAN  Vas/were picked up at the Generator's site list  DRIVER'S SIGNATURE  DISPOS  TOTAL  TOTAL	DATE  SPORTER  Driver's Name  Print Name  Phone No.  Truck No.  ed above and delivered without incident of the second of the sec	dent to the disposal facility listed be  RECEIVING Name/No.  448-4239  BBLS Received Free Water	VER'S SIGNATURE  AREA  YES NO pH
hazardous is at MSDS Informa  (PRINT) AUTHORIZED AGENTS SIGNATURE  ransporter's lame address  hone No. hereby certify that the above named material(s) v  SHIPMENT DATE  TRUCK TIME STAM  OUT:  iite Name/ Permit No. Address  Red Bluff Facility/ STF-065  5053 US Highway 285, Orla, TX  NORM READINGS TAKEN? (Circle Of Chloride Chemical Analysis (Mg/I)  Feet  List Gauge 2nd Gauge	TRAN  TRAN  TRAN  TRAN  Vas/were picked up at the Generator's site list  DRIVER'S SIGNATURE  DISPOS  TOTAL  TOTAL	DATE  SPORTER  Driver's Name  Print Name  Phone No.  Truck No.  ed above and delivered without incident of the second of the sec	dent to the disposal facility listed be  RECEIVING Name/No.  448-4239  BBLS Received Free Water	VER'S SIGNATURE  AREA  YES NO pH
hazardous is at MSDS Informa  MSDS Informa  (PRINT) AUTHORIZED AGENTS SIGNATURE  ransporter's lame address  hone No. hereby certify that the above named material(s) v  SHIPMENT DATE  TRUCK TIME STAM  OUT: bite Name/ Permit No. Address  Red Bluff Facility/ STF-065  5053 US Highway 285, Orla, TX  NORM READINGS TAKEN? (Circle Of Chloride Chemical Analysis (Mg/I)  Feet  Lst Gauge Received	TRAN  TRAN  TRAN  TRAN  Vas/were picked up at the Generator's site list  DRIVER'S SIGNATURE  DISPOS  TOTAL  TOTAL	DATE  SPORTER  Driver's Name  Print Name  Phone No.  Truck No.  ed above and delivered without incident of the second of the sec	dent to the disposal facility listed be  RECEIVING Name/No.  448-4239  BBLS Received Free Water	VER'S SIGNATURE  AREA  YES NO pH  BS&W (%)

Received by OCD: 10/28/2021		A REAL PROPERTY AND ADDRESS OF THE PARTY AND A	ANIFEST COLUMN C	mpany Man Page 109 of 14
VIRIGIMENTAL SOLUTIONS	(PLE	ASE PRINT) *REC	Phone	No
	GEN	ERATOR	NO. 800	2532
Operator No.	7 7 7	Permit/RRC No	).	
Operators Name	LANDS TO	Lease/Well Name & No.	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	17 7 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Address		County	on principal designation of the principal des	Parent No. 1 Oval
		API No.	30-015-97	486
City, State, Zip	Address of the second s	Rig Name & N	0.	A CONTRACTOR OF THE PARTY OF TH
Phone No.	20.41	AFE/PO No.		
EXEMPT E&F	Waste/Service Identification and Amou	nt (place volume next to	waste type in barrels or cubic yard	s)
Oil Based Muds	NON-INJECTABLE WATERS Washout Water (Non-Injectable)		OTHER EXEMPT WASTES (type and ge	neration process of the waste)
Oil Based Cuttings Water Based Muds	Completion Fluid/Flow back (Non-Injecta	able)	er chemical dynalis is that the ori	Land remarks mittelling
Water Based Cuttings	Produced Water (Non-Injectable) Gathering Line Water/Waste (Non-Inject	rable)	The second second	
Produced Formation Solids Tank Bottoms	INTERNAL USE ONLY		rest were profitted place keeding	
E&P Contaminated Soil	Truck Washout (exempt waste)	Terrational and the second	All stadio in properties and the	- normalignma * (section)
Gas Plant Waste WASTE GENERATION PROCESS:	DRILLING CO	MPLETION	PRODUCTION	GATHERING LINES
WASTE GENERATION PROCESS.	D PRIZEITO	/Service Identification and	Amount	
-All non-exempt	&P waste must be analysed and be below the	threshold limits for toxicity	(TCLP), Ignitability, Corrosivity and React	ivity:
Non-Exempt Other		*please selec	ct from Non-Exempt Waste List on back	
QUANTITY	B - BARRELS		Y - YARDS	E - EACH
hereby certify that the above listed material(s),	is (are) not a hazardous waste as defined by 40	CFR Part 261 or any applic	able state law. That each waste has been	n properly described, classified and
eastered and is in proper condition for transpor	tation according to applicable regulation.			
I BCBV EXEVABLE	stes generated from oil and gas exploration and	production operations and	d are not mixed with non-exempt waste (	R360 Accepts certifications on a per
load pasis o	nly)	TO THE STREET	and the same by characteristics as	rablished in RCRA regulations, 40 CFR
RCRA NON-EXEMPT: Oil field was	ste which is non-hazardous that does not excee .24, or listed hazardous waste as defined by 40	CER part 261 subpart D. a	s amended. The following documentation	demonstrating the waste as non-
261.21-261 bazardous i	s attached. (Check the appropriate items as pro	ovided)		
MSDS Infor			Other (Provide Description Below)	
WSBS IIIIOI	nadon ned vive en			THE TANK THE WAY
62 William Bright Mark	-X	Sec. 3. 19. 19.	t the	Marin Ma
(PRINT) AUTHORIZED AGENTS SIGNATURE		DATE	SIG	NATURE
	TRAI	NSPORTER	A STATE OF THE STA	The Control of Agencies 1912
Transporter's	1	Driver's Nam		
Name	Added 5		12000	
Address		Print Name		
		Phone No.	7h 6.2	
Phone No.		Truck No.	- I to the diseased facility lies	ted helow
I hereby certify that the above named material(	s) was/were picked up at the Generator's site li	isted above and delivered v	vithout incident to the disposal facility list	ded below.
	DRIVER'S SIGNATURE	4	DELIVERY DATE	DRIVER'S SIGNATURE
SHIPMENT DATE		SAL FACILITY	RECEIV	ING AREA
TRUCK TIME STA	DISFO.	SALIACILITI	Name/No.	TV1
IN: OUT:	in any many many many many many many many		rearre/reo.	
Site Name/ Permit No. Red Bluff Facility/ STF-06	55	Phone No.	432-448-4239	
Permit No. Address 5053 US Highway 285, Orla,				
NORM READINGS TAKEN? (Circ		If YES, was	reading > 50 micro roentgens? (circle on	e) YES NO
Chloride		Conductivity (mmhos/c		Hq
Chemical Analysis (Mg/I)	TANK			rapija <del>raoraka minise</del> tiki ki
Feet	Inches	THE THEORY WAS TRANSPORTED TO THE	pcg.w/ppic Paralised	BS&W (%)
1st Gauge		nagati na t <del>ana katana</del>	BS&W/BBLS Received Free Water	D3Q VV (70)
2nd Gauge Received		TO MANY THE PARTY OF THE PARTY	Total Received	
		La suite	Ludw.2	
I hereby certify that the above load materia	Il has been (circle one): ACCEPTED	DENIED If denied	, wny?	Account for full month
MIS	10 12 1011	166 1	C	IGNATURE .
NAME (PRINT)	DATE	TITLE		Particular description of the second

Received by OCD: 10/28/202	1 2:47:06 PMEXAS NON-HAZARDO	US OILFIELD WASTE MAN	NIFEST	Company Man C Page 110 of 148
R369	(PL	EASE PRINT) *REQUI	INCO IN COMMENT	Phone No.
solutions	CEL	IEDATOR.	I NO.	***************************************
	GEN	VERATOR	Ar alian malsurate	8002533
Operator No.	<del>- Control of the Con</del>	Permit/RRC No. Lease/Well	A CONTRACTOR OF THE PARTY OF TH	A and appropriate
Operators Name	N 11-13-	Name & No.	-110 11	and hone
Address	133 117 pm 3 mm	County	ni samilana ve dago sua	Parmity/Bita rep however
		API No.	The transport of the second	5 mv is trained hang, would
City, State, Zip	out the second will be second to the second	Rig Name & No.	www.	11511/24/52
Phone No.	COSIC DE DE	AFE/PO No.		Secretary and the secretary an
EXEMPT EX	&P Waste/Service Identification and Amo	ount (place volume next to w	Naste type in barrels or cut	pe and generation process of the waste)
Oil Based Muds Oil Based Cuttings	NON-INJECTABLE WATERS Washout Water (Non-Injectable)		Office GAE ON TO ACCUSE OF	
Water Based Muds	Completion Fluid/Flow back (Non-Injection	ctable)	Activities have beforest	no ylu i sira v gozdalu aleksima e
Water Based Cuttings	Produced Water (Non-Injectable) Gathering Line Water/Waste (Non-Injectable)	ectable)	SH-V	JUSH F
Produced Formation Solids  Tank Bottoms	INTERNAL USE ONLY		tow primarilian alliku	rece en un excelle publication.
E&P Contaminated Soil	Truck Washout (exempt waste)	uranajah R <del>alahara</del> I	HARLES STORY	energy a contemporar forms
Gas Plant Waste WASTE GENERATION PROCESS:	DRILLING C	OMPLETION	PRODUCTION	GATHERING LINES
WASTE GENERATION PROCESS.		ite/Service Identification and Am	pount	THE PERSON NAMED IN COLUMN TWO
All non-exemp	of E&P waste must be analysed and be below th	ne threshold limits for toxicity (To	CLP), Ignitability, Corrosivity ar	id Reactivity.
Non-Exempt Other		*please select f	from Non-Exempt Waste List	on back
	B - BARRELS		Y-YARD	S E - EACH
QUANTITY		40 CER Dart 261 ar any applicab	lo state law. That each waste	has been properly described, classified and
I hereby certify that the above listed material( packaged, and is in proper condition for transp	portation according to applicable regulation.			
Oil field w	vastes generated from oil and gas exploration a	nd production operations and a	re not mixed with non-exempt	waste (R360 Accepts certifications on a per
RCRA EXEMPT: load basis	only)			
RCRA NON-EXEMPT: Oil field w	vaste which is non-hazardous that does not exc 51.24, or listed hazardous waste as defined by 4	eed the minimum standards for	mended. The following docum	entation demonstrating the waste as non-
261.21-20 bazardou	s is attached. (Check the appropriate items as p	provided)	included: The fellowing	
	ormation RCRA Hazardous W		Other (Provide Description	Below)
				The state of the s
		0.25	7.75	a comment of the
(PRINT) AUTHORIZED AGENTS SIGNATURE		DATE		SIGNATURE
	TRA	NSPORTER		The William of the Control of the Co
Transporter's	110		7 /	1/200
Transporter's Name	2	Driver's Name	208 1	7/12
Address / / / / / /	h they follow	Print Name		
The state of the s		Phone No.		The section of the se
Phone No.	and the second	Truck No.	WINT.	
I hereby certify that the above named materi	ai(s) was/were picked up at the Generator's site	e listed above and delivered with	hout incident to the disposal fa	cility listed below.
	THE PERSON NAMED IN COLUMN TO SERVICE AND ADDRESS OF THE PERSON NAMED IN COLUMN TO SE	(13-1	LIVERY DATE	DRIVER'S SIGNATURE
SHIPMENT DATE	DRIVER'S SIGNATURE		THE RESERVE THE PERSON NAMED IN COLUMN TWO	CEIVING AREA
TRUCK TIME ST	AMP DISPO	SAL FACILITY	The latest	C
IN:O OUT:	10 10 10 10 10 10 10	A THE PARTY OF THE	Name/No.	
Site Name/	065	Phone No.	432-448-4239	
Permit No. Red Bluff Facility/ STF-			432-440-4230	The design of the second second
Address 5053 US Highway 285, Orl		If VES, was rea	ading > 50 micro roentgens? (o	circle one) YES NO
NORM READINGS TAKEN? (Ci Chloride	rcle One) YES NO	Conductivity		pH
Chemical Analysis (Mg/I)		(mmhos/cm)		The second secon
Park Tolland	IAN	IK BUTTUNIS	Work it is	
1st Gauge Feet	Inches	TOWN OF THE PARTY	BS&W/BBLS Received	BS&W (%)
2nd Gauge	A USUALISM	muzanzina 1 45396 u	Free Water Total Received	: «បើក្មេសប្រែសារ។» : : :
Received			Total Neceived	
I hereby certify that the above load mate	rial has been (circle one): ACCEPTED	DENIED If denied, w	rhy?	and was parameters there and
-23, 170	01217			
NAME (PRINT)	DATE	TITLE	/	SIGNATURE
Language and the second second				

Received by OCD: 10/28	3/2021 2:4	7:06 PM EXAS NON-HA	AZARDOUS OILFII (PLEASE PRI		ANIFEST UIRED INFORMATION*	Company Man Page 117 of the Name
SOLUTIONS						Phone No.
			GENERAT	OR	NO.	8002528
Operator No.			- Continuedo	Permit/RRC No. Lease/Well		
Operators Name	Oppos	3.11.0c	- V06.0	Name & No.	Capa 1	10 24 100
Address		11 1 3 8	Mark Plans You	County	III JUSTINIA I IMATE	PARTY MANAGEMENT AND MANAGEMENT AND ADMINISTRATION OF THE PARTY AND ADMINISTRATION OF THE PART
Address				API No.	30-01	5-42482
City State 7in				Rig Name & No		***************************************
City, State, Zip	HILIMITE WITH THE			AFE/PO No.		
Phone No.	NADT EQ.D W/o	sta/Sarvice Identification	and Amount (place	volume next to	waste type in barrels or cu	bic yards)
Oil Based Muds	IVIPT E&P Wa	NON-INJECTABLE WATERS	and Amount (place		OTHER EXEMPT WASTES (	type and generation process of the waste)
Oil Based Cuttings		Washout Water (Non-Inject	able)	h 1-2-3		
Water Based Muds		Completion Fluid/Flow back		1.3-6-5-11		10. A 1 a 1 a 1 a Managarine Commence
Water Based Cuttings Produced Formation Solids		Produced Water (Non-Inject Gathering Line Water/Waster	(Non-Injectable)			
Tank Bottoms		INTERNAL USE ONLY			war kind illin aliye	Des S. 2010 Carlot America
E&P Contaminated Soil	harmon	Truck Washout (exempt was	ste)			T House A Section
Gas Plant Waste WASTE GENERATION PROCESS:	——————————————————————————————————————	DRILLING	COMPLETIC	)N	PRODUCTION	GATHERING LINES
WASTE GENERATION PROCESS.			TE&P Waste/Service I		amount.	
All no	n-exempt F&P v	NON-EXEMP vaste must be analysed and b	e below the threshold	limits for toxicity (	(TCLP), Ignitability, Corrosivity a	and Reactivity.
Non-Exempt Other	II CALIFICATION			*please selec	t from Non-Exempt Waste List	t on back
Non-Exempt other					Y-YARI	DS E - EACH
QUANTITY		B - BARRE			150	53
I hereby certify that the above listed m	naterial(s), is (ar	e) not a hazardous waste as c	lefined by 40 CFR Part	261 or any applica	able state law. That each waste	e has been properly described, classified and
packaged, and is in proper condition for	or transportatio	n according to applicable regu	liation.	on operations and	are not mixed with non-exemp	ot waste (R360 Accepts certifications on a per
I BURN EXEMPT.	il field wastes g ad basis only)	enerated from oil and gas exp	noration and producti	on operations and	are not mines many	- 90 4,000
	ul field	hich is non-hazardous that do	es not exceed the min	imum standards fo	or waste hazardous by characte	eristics established in RCRA regulations, 40 CFI
RCRA NON-EXEMPT: 0	61.21-261.24, o	r listed hazardous waste as d	efined by 40 CFR, part	261, subpart D, as	amended. The following docur	mentation demonstrating the waste as non-
h	azardous is atta	ched. (Check the appropriate	items as provided)			
	ASDS Information	n RCRA Haz	ardous Waste Analys	is	Other (Provide Descriptio	n Below)
				9 29.1	/	led man the
(PRINT) AUTHORIZED AGENTS SIGN	ATURE		-	DATE	/	SIGNATURE
			TRANSPO	RTER	ME /	and the same of th
		A CONTRACTOR OF THE PARTY OF TH	110 11001 0			
Transporter's	which on	el		Driver's Name		
Address -	Carried May	7777		Print Name		puls Print of
-				Phone No.		
Phone No.				Truck No.		
I hereby certify that the above named	t material(s) wa	s/were nicked up at the Gene	rator's site listed above	ve and delivered w	ithout incident to the disposal	facility listed below.
Thereby certify that the above hamed	I iliatellal(s) wo	3) Were placed up at the sens				
SHIPMENT DATE		DRIVER'S SIGNATURE	The state of the s		DELIVERY DATE	DRIVER'S SIGNATURE
TRUCK TIM	IF STAMI		DISPOSAL F	ACILITY	R	ECEIVING AREA
1 1 1 1 1 1 1 1 1	OUT:				Name/No	).
	001.					
Permit No. Red Bluff Facilit	y/ STF-065		The second second	Phone No.	432-448-4239	
Address 5053 US Highway	285, Orla, TX 79	9770				The state of the s
NORM READINGS TAI			10	If YES, was	reading > 50 micro roentgens?	(circle one) YES NO
Chloride				Conductivity (mmhos/cr	n)	рН
Chemical Analysis (Mg/l)			TANK BO	AR AD INVESTMENT OF A		pulling and continuous and as a
	a.	Inches	IANKBO	I I OIVIS		The Residence of the Administration
1st Gauge	et	menes			BS&W/BBLS Received	BS&W (%)
2nd Gauge		L prigressing sec	William Williams	and the second	Free Water	and descriptions
Received			the street		Total Received	
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	EPTED DENIE	D If denied,	why?	of Anthonorus analysis are a supply
I hereby certify that the above lo	ad material has	been (circle one): ACC	EPTED DENIE	// indefined,	Mall	11 Man James an and come of
- MULCIALO	1161	- CDU	-4	7777		SIGNATURE
NAME (PRINT)		DATE		TITLE		e with the first Event way to write the transfer of the
£						

H369)	8/2021 2:47:06 PM TEXAS NO		TE MANIFEST *REQUIRED INFORMATION	Company MaPageal12 of 148
ENVIRONMENTAL SOLUTIONS		- A 25/35 / 10(4)	and distinct his is the	Phone No.
		GENERATOR	NC NC	8002540
Operator No.	Consco Hiller	Permit/F Lease/W	RRC No.	0006040
Operators Name	1 1	Name &	No. Comp. Vis. 1991 1991	ho 24 Feb 0054
Address		County	The same of the sa	A LONG A ANTHONY
City Shake Tie		API No.	- 2 No	S. Jelih Halburgana
City, State, Zip Phone No.		AFE/PO		William and Market I - garage
	EXEMPT E&P Waste/Service Identifica			r cubic vards)
Oil Based Muds	NON-INJECTABLE WAT			ES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-			
Water Based Muds		v back (Non-Injectable)	THE RESERVE	molice and hard - Jight to making
Water Based Cuttings	Produced Water (Non-			
Produced Formation Solids Tank Bottoms	INTERNAL USE ONLY	/Waste (Non-Injectable)	a construencia est	during the service of the AL - modified
E&P Contaminated Soil	Truck Washout (exem	pt waste)	In Francisco Pol	May and Vest A Programme
Gas Plant Waste WASTE GENERATION PROCESS	5: DRILLING	COMPLETION	PRODUCTION	GATHERING LINES
WASTE GENERATION FROCESS		KEMPT E&P Waste/Service Identification		
All	non-exempt E&P waste must be analysed			ity and Reactivity.
Non-Exempt Other		*please	select from Non-Exempt Waste	List on back
QUANTITY	B - E	BARRELS	18 (Y-Y	ARDS E - EACH
			applicable state law. That each w	aste has been properly described, classified and
	on for transportation according to applicable Oil field wastes generated from oil and go		ns and are not mixed with non-exe	empt waste (R360 Accepts certifications on a per
RCRA EXEMPT:	load basis only)			
RCRA NON-EXEMPT:				acteristics established in RCRA regulations, 40 CFR icumentation demonstrating the waste as non-
	hazardous is attached. (Check the approp	AND	Other (Beer life Beer life	tion Palaud
	MSDS Information RCR.	A Hazardous Waste Analysis	Other (Provide Descrip	tion below)
	I PILL I ET		- January	Programmer
(PRINT) AUTHORIZED AGENTS S	IGNATURE	DATE	4 - /*	SIGNATURE
		TRANSPORTER	See and Printer of the Park	the first the special and the new teachers
Transporter's	71 1 7	Driver's	Name	
Name	web partures			
Address -		Print Na Phone N		
Phone No.		Truck No		
· · · · · · · · · · · · · · · · · · ·	ned material(s) was/were picked up at the	Generator's site listed above and deliver	red without incident to the dispos	al facility listed below.
		2 Part of the Part	31-21	tely .
SHIPMENT DATE	DRIVER'S SIGNATURE	DISDOCAL FACULT	DELIVERY DATE	DRIVER'S SIGNATURE
IN: 10 A ANA	ME STAMP OUT:	DISPOSAL FACILIT	Name/N	RECEIVING AREA
Site Name/	lity/STF-065	Phone N	lo. 432-448-4239	
A dilates	y 285, Orla, TX 79770	The second secon	432-440-4233	
NORM READINGS T		NO IFYES,	was reading > 50 micro roentgens	s? (circle one) YES NO
Chloride Chemical Analysis (Mg/l)		Conduct (mmh		рн
		TANK BOTTOMS		— Inc. system to the market of
	Feet Inches		25011/2016 2 : 1	Hartest American Charles
1st Gauge 2nd Gauge	- Billion		BS&W/BBLS Received Free Water	BS&W (%)
Received			Total Received	per a deservation de la faction de la company de la compan
I horoby so diffe that the alternation	load material has been /sirete a-vali	ACCEPTED DENIED If der	nied, why?	MIS TO THE PROPERTY OF THE PRO
Thereby certify that the above I	load material has been (circle one):	DENIED II dei	acceptings	1-critical are foliations or arm contracts
NAME (PRINT)	DATE	TITLE		SIGNATURE
	Company of the Compan			

SOLUTIONS			and the second s		Phone No.
		GENE	RATOR	NO.	8102548
Operator No.			Permit/RRC No. Lease/Well	Λ.	The second second
Operators Name	oco Phil	105	Name & No.	Cabo a	Jalon 74 Frod 005 H
Address			County	7000	12 112/102
		THE PROPERTY OF THE PARTY OF TH	API No.	50.0	15-40480
City, State, Zip			Rig Name & No.	erat <del>an di mata a</del>	THE SHIP SHOULD VINE TO BE
Phone No.			AFE/PO No.	0.10	
	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TO THE PERSON NA	ce Identification and Amount	(place volume next to w		
Oil Based Muds Oil Based Cuttings		CTABLE WATERS Water (Non-Injectable)		OTHER EXEMPT WASTES	(type and generation process of the waste)
Water Based Muds	Completic	on Fluid/Flow back (Non-Injectab	le)	and the same	entracket of marginal Leading
Water Based Cuttings Produced Formation Solids		Water (Non-Injectable) Line Water/Waste (Non-Injectal	ole)	SAN	dast
Tank Bottoms	INTERNAL	USE ONLY		less our evallations	to the showing premate a publish
E&P Contaminated Soil Gas Plant Waste	Truck Wa	shout (exempt waste)	nimi salahan d	Lity of the light on	
WASTE GENERATION PROCES	S: DRILLING	СОМ	PLETION	PRODUCTION	GATHERING LINES
	er jour leave, in the	NON-EXEMPT E&P Waste/S	ervice Identification and Amo	ount	
	I non-exempt E&P waste must	be analysed and be below the th			
Non-Exempt Other			*please select fro	om Non-Exempt Waste Li	st on back
QUANTITY		B - BARRELS		18 ( Y-YAI	
I hereby certify that the above liste packaged, and is in proper condition			FR Part 261 or any applicable	e state law. That each was	te has been properly described, classified and
RCRA EXEMPT:	Oil field wastes generated fro load basis only)	om oil and gas exploration and pr	oduction operations and are	not mixed with non-exem	ppt waste (R360 Accepts certifications on a per
RCRA NON-EXEMPT:	Oil field waste which is non-l	nazardous that does not exceed t	he minimum standards for w	vaste hazardous by charact	teristics established in RCRA regulations, 40 CFR
				nended. The following docu	mentation demonstrating the waste as non-
	7:	k the appropriate items as provid		lau za za a sur	(a.t.)
	MSDS Information	RCRA Hazardous Waste	Analysis	Other (Provide Description	
				] Callet (Frovince Descripe:	on below)
	Haranaki			T odie (Fronse peseripa	on below)
(PRINT) AUTHORIZED AGENTS S	SIGNATURE		DATE	1211271	SIGNATURE
(PRINT) AUTHORIZED AGENTS S	SIGNATURE	TRANS	DATE		12/
(PRINT) AUTHORIZED AGENTS S Transporter's	SIGNATURE	TRANS	DATE		12/
	SIGNATURE	TRANS	DATE	+00 /	12/
Transporter's	A CACADO	TRANS	DATE	±00 /	12/
Transporter's Name Address		TRANS	DATE  SPORTER  Driver's Name  Print Name  Phone No.	+0× /	12/
Transporter's Name Address Phone No.	Chabb	partners	DATE  SPORTER  Driver's Name  Print Name  Phone No.  Truck No.	to e 1	SIGNATURE
Transporter's Name Address	Chabb	partners	DATE  SPORTER  Driver's Name  Print Name  Phone No.  Truck No.	to e 1	SIGNATURE
Transporter's Name Address Phone No. I hereby certify that the above name	ned material(s) was/were picke	d up at the Generator's site lister	DATE  Driver's Name Print Name Phone No. Truck No. d above and delivered withou	to the disposal	SIGNATURE  facility listed below.
Transporter's Name Address  Phone No. I hereby certify that the above nam	ned material(s) was/were picke	d up at the Generator's site lister	DATE  Driver's Name Print Name Phone No. Truck No. d above and delivered without	ut incident to the disposal	facility listed below.  DRIVER'S SIGNATURE
Transporter's Name Address  Phone No. I hereby certify that the above nan SHIPMENT DATE  TRUCK TI	ned material(s) was/were picke  DRIVER'S SIG	d up at the Generator's site lister	DATE  Driver's Name Print Name Phone No. Truck No. d above and delivered withou	ut incident to the disposal	facility listed below.  DRIVER'S SIGNATURE  ECEIVING AREA
Transporter's Name Address  Phone No. I hereby certify that the above nam SHIPMENT DATE  TRUCK TI IN:	ned material(s) was/were picke	d up at the Generator's site lister	DATE  Driver's Name Print Name Phone No. Truck No. d above and delivered without	ut incident to the disposal	facility listed below.  DRIVER'S SIGNATURE  ECEIVING AREA
Transporter's Name Address  Phone No. I hereby certify that the above nan SHIPMENT DATE  TRUCK TI	ned material(s) was/were picke  DRIVER'S SIG  ME STAMP  OUT:	d up at the Generator's site lister	DATE  Driver's Name Print Name Phone No. Truck No. d above and delivered without	ut incident to the disposal	facility listed below.  DRIVER'S SIGNATURE  ECEIVING AREA
Transporter's Name Address  Phone No. I hereby certify that the above nam SHIPMENT DATE  TRUCK TI IN: Site Name/ Permit No. Red Bluff Facil	ned material(s) was/were picke  DRIVER'S SIG  ME STAMP  OUT:	d up at the Generator's site lister	DATE  SPORTER  Driver's Name Print Name Phone No. Truck No. d above and delivered without DELIVE	ut incident to the disposal ERY DATE  R Name/No	facility listed below.  DRIVER'S SIGNATURE  ECEIVING AREA
Transporter's Name Address  Phone No. I hereby certify that the above nam  SHIPMENT DATE  TRUCK TI IN:  Site Name/ Permit No. Address  Red Bluff Facil 5053 US Highwa NORM READINGS T	DRIVER'S SIG	d up at the Generator's site lister	DATE  Driver's Name Print Name Phone No. Truck No. d above and delivered without DELIVE  L FACILITY  Phone No.	ut incident to the disposal ERY DATE  R Name/No	facility listed below.  DRIVER'S SIGNATURE  ECEIVING AREA D.
Transporter's Name Address  Phone No.  I hereby certify that the above name  SHIPMENT DATE  TRUCK TI IN:  Site Name/ Permit No. Address  Red Bluff Facil 5053 US Highwa  NORM READINGS T Chloride	DRIVER'S SIG  ME STAMP  OUT:  lity/ STF-065  by 285, Orla, TX 79770	d up at the Generator's site lister	DATE  Driver's Name Print Name Phone No. Truck No. d above and delivered without DELIVE  L FACILITY  Phone No.  If YES, was readic Conductivity	ut incident to the disposal  ERY DATE  R  Name/No  432-448-4239	facility listed below.  DRIVER'S SIGNATURE  ECEIVING AREA D.  (circle one) YES NO
Transporter's Name Address  Phone No. I hereby certify that the above nam  SHIPMENT DATE  TRUCK TI IN:  Site Name/ Permit No. Address  Red Bluff Facil 5053 US Highwa NORM READINGS T	DRIVER'S SIG  ME STAMP  OUT:  lity/ STF-065  by 285, Orla, TX 79770	d up at the Generator's site lister  NATURE  DISPOSA  NO	DATE  Driver's Name Print Name Phone No. Truck No. d above and delivered without DELIVE  L FACILITY  Phone No.  If YES, was readi	ut incident to the disposal  ERY DATE  R  Name/No  432-448-4239	facility listed below.  DRIVER'S SIGNATURE  ECEIVING AREA D.
Transporter's Name Address  Phone No. I hereby certify that the above name  SHIPMENT DATE  TRUCK TI IN:  Site Name/ Permit No. Address  NORM READINGS T Chloride Chemical Analysis (Mg/I)	DRIVER'S SIG  ME STAMP  OUT:  lity/ STF-065  by 285, Orla, TX 79770	d up at the Generator's site lister  NATURE  DISPOSA  NO	DATE  SPORTER  Driver's Name Print Name Phone No. Truck No. d above and delivered without DELIVE  L FACILITY  Phone No.  If YES, was readi Conductivity (mmhos/cm)	ut incident to the disposal  ERY DATE  R  Name/No  432-448-4239  ing > 50 micro roentgens?	facility listed below.  DRIVER'S SIGNATURE  ECEIVING AREA  D.  (circle one) YES NO
Transporter's Name Address  Phone No. I hereby certify that the above name  SHIPMENT DATE  TRUCK TI IN:  Site Name/ Permit No. Address  Red Bluff Faci 5053 US Highwa NORM READINGS T Chloride Chemical Analysis (Mg/I)	DRIVER'S SIG  ME STAMP  OUT:  lity/ STF-065  ny 285, Orla, TX 79770  AKEN? (Circle One)  YES	d up at the Generator's site lister  NATURE  DISPOSA  NO  TANKE	DATE  SPORTER  Driver's Name Print Name Phone No. Truck No. d above and delivered without DELIVE  L FACILITY  Phone No.  If YES, was readi Conductivity (mmhos/cm)	ut incident to the disposal  ERY DATE  R  Name/No  432-448-4239	facility listed below.  DRIVER'S SIGNATURE  ECEIVING AREA D.  (circle one) YES NO
Transporter's Name Address  Phone No. I hereby certify that the above name  SHIPMENT DATE  TRUCK TI IN:  Site Name/ Permit No. Address  NORM READINGS T Chloride Chemical Analysis (Mg/I)	DRIVER'S SIG  ME STAMP  OUT:  lity/ STF-065  ny 285, Orla, TX 79770  AKEN? (Circle One)  YES	d up at the Generator's site lister  NATURE  DISPOSA  NO  TANKE	DATE  SPORTER  Driver's Name Print Name Phone No. Truck No. d above and delivered without DELIVE  L FACILITY  Phone No.  If YES, was readi Conductivity (mmhos/cm)	ut incident to the disposal ERY DATE  R Name/No 432-448-4239  ing > 50 micro roentgens?	facility listed below.  DRIVER'S SIGNATURE  ECEIVING AREA  D.  (circle one) YES NO
Transporter's Name Address  Phone No. I hereby certify that the above name  SHIPMENT DATE  TRUCK TI IN:  Site Name/ Permit No. Address  NORM READINGS T Chloride Chemical Analysis (Mg/I)  1st Gauge 2nd Gauge Received	DRIVER'S SIG  ME STAMP  OUT:  lity/ STF-065  ny 285, Orla, TX 79770  TAKEN? (Circle One)  YES	d up at the Generator's site lister  NO  NO  TANK E  Inches	DATE  SPORTER  Driver's Name  Print Name  Phone No.  Truck No.  d above and delivered without  DELIVE  L FACILITY  Phone No.  If YES, was readi  Conductivity  (mmhos/cm)  SOTTOMS	ut incident to the disposal  R Name/No  432-448-4239  ing > 50 micro roentgens?  &W/BBLS Received  Free Water  Total Received	facility listed below.  DRIVER'S SIGNATURE  ECEIVING AREA  D.  (circle one) YES NO
Transporter's Name Address  Phone No. I hereby certify that the above name  SHIPMENT DATE  TRUCK TI IN:  Site Name/ Permit No. Address  NORM READINGS T Chloride Chemical Analysis (Mg/I)  Ist Gauge 2nd Gauge	DRIVER'S SIG  ME STAMP  OUT:  lity/ STF-065  ny 285, Orla, TX 79770  TAKEN? (Circle One)  YES	d up at the Generator's site lister  NO  NO  TANK E  Inches	DATE  SPORTER  Driver's Name Print Name Phone No. Truck No. d above and delivered without DELIVE  L FACILITY  Phone No.  If YES, was readi Conductivity (mmhos/cm)	ut incident to the disposal  R Name/No  432-448-4239  ing > 50 micro roentgens?  &W/BBLS Received  Free Water  Total Received	facility listed below.  DRIVER'S SIGNATURE  ECEIVING AREA  D.  (circle one) YES NO
Transporter's Name Address  Phone No. I hereby certify that the above name  SHIPMENT DATE  TRUCK TI IN:  Site Name/ Permit No. Address  NORM READINGS T Chloride Chemical Analysis (Mg/I)  Ist Gauge 2nd Gauge Received  I hereby certify that the above I	DRIVER'S SIG  ME STAMP  OUT:  lity/ STF-065  ny 285, Orla, TX 79770  TAKEN? (Circle One)  YES	DISPOSA  NO  TANK E  Inches  ACCEPTED  DI	DATE  SPORTER  Driver's Name Print Name Phone No. Truck No. d above and delivered without DELIVE  L FACILITY  Phone No.  If YES, was readi Conductivity (mmhos/cm)  BSS  ENIED  If denied, why?	ut incident to the disposal  R Name/No  432-448-4239  ing > 50 micro roentgens?  &W/BBLS Received  Free Water  Total Received	facility listed below.  DRIVER'S SIGNATURE  ECEIVING AREA  D.  (circle one) YES NO pH
Transporter's Name Address  Phone No. I hereby certify that the above name  SHIPMENT DATE  TRUCK TI IN:  Site Name/ Permit No. Address  NORM READINGS T Chloride Chemical Analysis (Mg/I)  Ist Gauge 2nd Gauge Received	DRIVER'S SIG  ME STAMP  OUT:  lity/ STF-065  ny 285, Orla, TX 79770  TAKEN? (Circle One)  YES	d up at the Generator's site lister  NO  NO  TANK E  Inches	DATE  SPORTER  Driver's Name  Print Name  Phone No.  Truck No.  d above and delivered without  DELIVE  L FACILITY  Phone No.  If YES, was readi  Conductivity  (mmhos/cm)  SOTTOMS	ut incident to the disposal  R Name/No  432-448-4239  ing > 50 micro roentgens?  &W/BBLS Received  Free Water  Total Received	facility listed below.  DRIVER'S SIGNATURE  ECEIVING AREA  D.  (circle one) YES NO

Received by OCD: 10/2	8/2021 2:47:06 PM TEXAS NO	N-HAZARDOUS OILFIELD WA (PLEASE PRINT)	ASTE MANIFEST *REQUIRED INFORMATION	Company Man <b>Pag</b> N* Name Phone No.	e114 of 148
Operator No.  Operators Name Address  City, State, Zip Phone No.	oco Philips	Lease Name Count	t/RRC No. /Well & No.  y  o. ame & No.	o. 8002 wake 24 Fe 015 - 47482	547 1008 H
Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste WASTE GENERATION PROCESS	XEMPT E&P Waste/Service Identificat  NON-INJECTABLE WATE Washout Water (Non-In Completion Fluid/Flow Produced Water (Non-In Gathering Line Water/V INTERNAL USE ONLY Truck Washout (exempt	njectable) back (Non-Injectable) njectable) Vaste (Non-Injectable)		or cubic yards) TES (type and generation process of the	v IS-HOCKETTAN (1784) Limites
All Non-Exempt Other	NON-EXE non-exempt E&P waste must be analysed a				luser - Col
QUANTITY	B - BA	ARRELS	19. A.	YARDS	E - EACH
RCRA NON-EXEMPT:	load basis only)  Oil field waste which is non-hazardous tha 261.21-261.24, or listed hazardous waste a hazardous is attached. (Check the appropr MSDS Information RCRA	as defined by 40 CFR, part 261, subp	ndards for waste hazardous by cha art D, as amended. The following o	locumentation demonstrating the	gulations, 40 CFR waste as non-
(PRINT) AUTHORIZED AGENTS SI	SNATURE	DATE		SIGNATURE	
Transporter's Name Address	Abb Partne	Print Phon	Name Poo.		ent to
Phone No.  I hereby certify that the above name	ed material(s) was/were picked up at the G	Truck enerator's site listed above and deli	The state of the s	osal facility listed below.	MANUTE SE
SHIPMENT DATE	DRIVER'S SIGNATURE		DELIVERY DATE	DRIVER'S SIGNATURE	and the same of th
Site Name/ Permit No. Red Bluff Facil	ME STAMP /OUT:	DISPOSAL FACIL	Name/	RECEIVING AREA No.	
NORM READINGS To Chloride Chemical Analysis (Mg/l)		Cond	S, was reading > 50 micro roentge uctivity nhos/cm)	ns? (circle one) YES	NO pH
And Andreas		TANK BOTTON		interw to view to his	milatarum m
1st Gauge 2nd Gauge Received	eet Inches		BS&W/BBLS Received Free Water Total Received	BS&W (%)	Warsann
I hereby certify that the above le	oad material has been (circle one): A	CCEPTED DENIED IF	denied, why?	galary and transport of the specific of the sp	manin e

H369	y OCD: 10/28/2021	,=	(PLEASE PR	THE PARTY OF THE P	IRED INFORMATION* Na	Company Man Page 115 of 14
SOLUTIONS				HALIFOLD III		none No.
			GENERA	TOR	NO. 8	02546
Operator No.				Permit/RRC No. Lease/Well	in the second	mar militar mananati
Operators Name	Connice	Dullips	THE MAN TO STATE OF THE STATE O	Name & No.	(abo 4	john 24 fed CCS
Address	C 01 8 5		landers and see a po	County	A THE STATE OF THE STATE OF	
				API No.	30-015	42-185
City, State, Zip		-d	- at a supplied to	Rig Name & No.		the state of the s
Phone No.			- plant by the projection	AFE/PO No.		
	EXEMPT	THE RESERVE OF SHIPPING THE SHI	THE RESERVE OF THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER.	e volume next to v	vaste type in barrels or cubic	
Oil Based Muds Oil Based Cutting		NON-INJECTABLE Washout Water (I	A STATE OF THE PARTY OF THE PAR	TALTA SUITA NO AL	OTHER EXEMPT WASTES (type:	and generation process of the waste)
Water Based Mu	Vi	Completion Fluid/	Flow back (Non-Injectable)		And the second second	
Water Based Cut Produced Format	A STATE OF THE PARTY OF THE PAR	Produced Water (	Non-Injectable) ater/Waste (Non-Injectable)			
Tank Bottoms	LIOIT SOLIOS	INTERNAL USE ON	The same of the sa		of within drawing the seel	
E&P Contaminate	W-11-26-417	Truck Washout (e	xempt waste)	I I I I I I I I I I I I I I I I I I I	Marie and the state of the state of the	www milmigmo) lervini
Gas Plant Waste WASTE GENER	ATION PROCESS:	DRILLING	COMPLETION	ON	PRODUCTION	GATHERING LINES
		\$ 1.500 DOM: 10.500 DOM: 1	N-EXEMPT E&P Waste/Service	Identification and An	nount	
	All non-exem				CLP), Ignitability, Corrosivity and I	Reactivity.
Non-Exempt Othe	er			*please select )	from Non-Exempt Waste List on	back
QUANTITY	11 13		B - BARRELS		Y-YARDS	E - EACH
I hereby certify th	nat the above listed material	l(s), is (are) not a hazardous	waste as defined by 40 CFR Par	t 261 or any applicab	le state law. That each waste has	been properly described, classified and
packaged, and is	in proper condition for trans	sportation according to appl	cable regulation.		t wheel with non avampt wa	cto (R360 Accents certifications on a ner
RCRA EXE	EMPT: Oil field load bas		nd gas exploration and product	ion operations and a	re not mixed with non-exempt wa	ste (R360 Accepts certifications on a per
RCRA NO	N-EXEMPT: Oil field	waste which is non-hazardo	us that does not exceed the mir	nimum standards for	waste hazardous by characteristic	cs established in RCRA regulations, 40 CF ation demonstrating the waste as non-
			ppropriate items as provided)			
	MSDS In	nformation	RCRA Hazardous Waste Analys	is	Other (Provide Description Be	low)
	VI SAR TOTAL				STERRED TO	1
(PRINT)	) AUTHORIZED AGENTS SIGNATURE			DATE	- Jak	SIGNATURE
(Film)	/Actionate desired		TRANSPO	RTER		
Transporter's			IIIAIII			
Name			- Indian	Driver's Name	A	
Address	monal	ob Pa	HOES	Print Name	- Y K ( V -	
		101-103		Phone No.	- AN 7 2	
Phone No.		PUU		Truck No.	II I I I I I I I I I I I I I I I I I I	u listed below
I hereby certify t	hat the above named mater	fial(s) was/were picked up at	the Generator's site listed above	ve and delivered with	nout incident to the disposal facilit	y listed below.
reaction certainy e				Q w	March Com	
	MENT DATE	DRIVER'S SIGNATURE		DEL	IVERY DATE	DRIVER'S SIGNATURE
	TRUCK TIME ST	CALLAND CONTRACTOR OF THE STATE	DISPOSALE			DRIVER'S SIGNATURE
SHIPM	TRUCK TIME ST	ГАМР	DISPOSAL		RECE	Control Vinneration Control Co.
IN:		ГАМР	DISPOSAL I	ACILITY		Control Manager Springer St.
SHIPM	TRUCK TIME ST	TAMP :	DISPOSAL I		RECE	Control Manager Springer St.
IN:Site Name/	TRUCK TIME ST	TAMP :	DISPOSAL	Phone No.	Name/No.	EIVING AREA
IN:	TRUCK TIME STOUT  Red Bluff Facility/ STF  5053 US Highway 285, Or  NORM READINGS TAKEN? (C	-065	DISPOSAL F	Phone No.  If YES, was rea	Name/No.	EIVING AREA
IN:	Red Bluff Facility/ STF 5053 US Highway 285, Or NORM READINGS TAKEN? (C	-065		Phone No.	Name/No.	EIVING AREA
SHIPM  IN:  Site Name/ Permit No. Address	Red Bluff Facility/ STF 5053 US Highway 285, Or NORM READINGS TAKEN? (C	-065		Phone No.  If YES, was reconductivity	Name/No.	e one) YES NO
SHIPM  IN: Site Name/ Permit No. Address Chemical Analys	Red Bluff Facility/ STF 5053 US Highway 285, Or NORM READINGS TAKEN? (C	-065 Ha, TX 79770 Circle One) YES	NO	Phone No.  If YES, was reacconductivity (mmhos/cm)	Name/No.  432-448-4239  adding > 50 micro roentgens? (circle	e one) YES NO
SHIPM  IN:  Site Name/ Permit No. Address	Red Bluff Facility/ STF 5053 US Highway 285, Or NORM READINGS TAKEN? (C Chloride iis (Mg/l)	-065 Ha, TX 79770 Circle One) YES	NO TANK BO	Phone No.  If YES, was reacconductivity (mmhos/cm)	Name/No.	e one) YES NO

NAME (PRINT)

DENIED

If denied, why?

ACCEPTED

Received by O	CD: 10/28/2021 2:4	7:06 PM EXAS NON-H	HAZARDOUS OILFIELD (PLEASE PRINT	deceine	ED INFORMATION* N	Company Man Page 110 of 1
SOLUTIONS			GENERATO	P	NO.	Phone No.
				Permit/RRC No.	are no surrand	8002545
perator No	Practa -	3-11-5	Chica Philadelpoint	ease/Well	Calmin	- HE 4 HOLOS
perators Name	COLO	Brutt by		County	Conce C	The second second
ddress				API No.	30 015	47497
ty, State, Zip	manifilia a U.		a Jupin Light Furth	Rig Name & No.	Market Service	THE STREET STREET
hone No.	THE THE PARTY OF T			AFE/PO No.		
	EXEMPT E&P Wa	aste/Service Identification	n and Amount (place vo	lume next to was	ste type in barrels or cubi	c yards)
il Based Muds		NON-INJECTABLE WATERS Washout Water (Non-Inject			OTHER EXEMPT WASTES (typ	e and generation process of the waste)
Oil Based Cuttings Water Based Muds		Completion Fluid/Flow bac	k (Non-Injectable)			
Vater Based Cuttings	alide	Produced Water (Non-Inje- Gathering Line Water/Was			Ghil	
Produced Formation So Fank Bottoms	inus	INTERNAL USE ONLY				Michael Market - State of the S
&P Contaminated Soil		Truck Washout (exempt w	aste)	KIII)	ero Mil III hill e er ilj	macki ppinumuratum
Gas Plant Waste  VASTE GENERATION	N PROCESS:	DRILLING	COMPLETION		PRODUCTION	GATHERING LINES
		NON-EXEM	PT E&P Waste/Service Iden	tification and Amou	int	
	All non-exempt E&P	waste must be analysed and	be below the threshold lim	*nlease select from	m Non-Exempt Waste List of	on back
Ion-Exempt Other				please select from		
QUANTITY		B - BARR			15 CY-YARDS	
hereby certify that the backaged, and is in prop	per condition for transportation	on according to applicable res	gulation.			as been properly described, classified and
RCRA EXEMPT:	load basis only)					
RCRA NON-EXE	261.21-261.24,	which is non-hazardous that d or listed hazardous waste as tached. (Check the appropriat	defined by 40 CFR, part 261	m standards for wa , subpart D, as ame	iste hazardous by characterist ended. The following docume	stics established in RCRA regulations, 40 CF entation demonstrating the waste as non-
	MSDS Informati		azardous Waste Analysis		Other (Provide Description	Below)
				Dr. Comment		71.00
					11/2	us f
(PRINT) AUTHO	DRIZED AGENTS SIGNATURE			DATE	Jr. C.	SIGNATURE
	THE MISTING	The Part of the Pa	TRANSPOR	TER		
Transporter's	- p-fr			Driver's Name	Joe 18	110-01
Address	MENGLO	Trota	PPS	Print Name		
		+11	To make	Phone No.	- 1 - 1	
Phone No.				Truck No.	2751	70° N C 144 A
I hereby certify that th	ne above named material(s) wa	as/were picked up at the Ger	nerator's site listed above a	nd delivered withou	ut incident to the disposal fac	cility listed below.
		DRIVER'S SIGNATURE		DELIVE	RY DATE	DRIVER'S SIGNATURE
SHIPMENT DA	RUCK TIME STAM		DISPOSAL FA	CILITY	RE	CEIVING AREA
	OUT:	and the same of the same	DIO! 00/12!	WILLIAM STORY	Name/No.	
IN:	001.	inon			C. A. Donner	one or manage and althought a se
Site Name/ Permit No. Rec	d Bluff Facility/ STF-065		and the state of	Phone No.	432-448-4239	
-	3 US Highway 285, Orla, TX 7		and the second			rcle one) YES NO
	1 READINGS TAKEN? (Circle Or	ne) YES	NO	If YES, was readi	ing > 50 micro roentgens? (c	
Chemical Analysis (M	oride //g/l)			(mmhos/cm)		pH
			TANK BOTT	OMS	дининые	
	Feet	Inches	and the property of the second	BS	&W/BBLS Received	BS&W (%)
1st Gauge 2nd Gauge				un este dita	Free Water Total Received	- Ammuniagini
Received			and programme		Total Received	
I hereby certify that	at the above load material has	s been (circle one): AC	CCEPTED DENIED	If denied, why	?	William Department of Control of Control
			Y My Challes			SIGNATURE
	NAME (PRINT)	DATE		TITLE		PHONE THE PROPERTY OF THE PROP
Released to In	naging: 1/31/2022 2	140:31 PRIGINAL	Blue - TRANSPO	ORTER YE	ellow - GENERATO	R Versio

	7:06 PM TEXAS NON-HAZARDOUS O (PLEASE	THE RESERVE THE PARTY OF THE PA	RED INFORMATION* Name	company Man Rage 117 of al 48
SOLUTIONS SOLUTIONS	1, 2, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	Paned in		ne No.
	GENER	ATOR	NO. Q A	02544
Operator No.		Permit/RRC No.	of class of emitting QA	V G V M P (mm)
Operators Name CONOCO	2,11,05	Lease/Well Name & No.	Cabo ce obo	74 Palces 1+
Address	1, 2	County	20 010 1	17 U C 7
City, State, Zip	I AT ADVENUE OF MATHETY SEE IN 1819	API No. Rig Name & No.		The state of the s
Phone No.		AFE/PO No.		Add and the second
EXEMPT E&P Wa	aste/Service Identification and Amount (pl	lace volume next to wa	aste type in barrels or cubic yar	rds)
Oil Based Muds	NON-INJECTABLE WATERS		OTHER EXEMPT WASTES (type and a	generation process of the waste)
Oil Based Cuttings Water Based Muds	Washout Water (Non-Injectable) Completion Fluid/Flow back (Non-Injectable)		200	
Water Based Cuttings	Produced Water (Non-Injectable)	TO THE REAL PROPERTY OF	1000	The American
Produced Formation Solids Tank Bottoms	Gathering Line Water/Waste (Non-Injectable) INTERNAL USE ONLY		John Lames	to an ediativ - worthern
E&P Contaminated Soil	Truck Washout (exempt waste)	ry V <del>and the last</del> m	the million Strawman et all	v - mildeformed tetters
Gas Plant Waste WASTE GENERATION PROCESS:	DRILLING COMPLE	TION	PRODUCTION	GATHERING LINES
WASTE GENERATION TROCESS.	NON-EXEMPT E&P Waste/Servi			GATTENING LINES
All non-exempt E&P v	vaste must be analysed and be below the thresh			tivity.
Non-Exempt Other	pol-n-	*please select fro	m Non-Exempt Waste List on back	k
QUANTITY	B - BARRELS		/ Y - YARDS	E - EACH
I hereby certify that the above listed material(s), is (ar	e) not a hazardous waste as defined by 40 CFR F	Part 261 or any applicable	state law. That each waste has bee	n properly described, classified and
packaged, and is in proper condition for transportatio		Title		IP260 Assents sortifications on a nor
RCRA EXEMPT: load basis only)	enerated from oil and gas exploration and produ	action operations and are	not mixed with non-exempt waste	(NSOU Accepts certifications on a per
	nich is non-hazardous that does not exceed the		aste hazardous by characteristics es	tablished in RCPA regulations 40 CEP
		aut 201 submost D as asses		
riazaruous is atta	ched. (Check the appropriate items as provided)		ended. The following documentation	
MSDS Informatio	ched. (Check the appropriate items as provided)			n demonstrating the waste as non-
	ched. (Check the appropriate items as provided)		ended. The following documentation	n demonstrating the waste as non-
	ched. (Check the appropriate items as provided)		ended. The following documentation Other (Provide Description Below)	n demonstrating the waste as non-
MSDS Informatio	ched. (Check the appropriate items as provided)	lysis	ended. The following documentation Other (Provide Description Below)	n demonstrating the waste as non-
MSDS Informatio  (PRINT) AUTHORIZED AGENTS SIGNATURE  Transporter's	ched. (Check the appropriate items as provided)  n RCRA Hazardous Waste Ana	lysis	ended. The following documentation Other (Provide Description Below)	n demonstrating the waste as non-
(PRINT) AUTHORIZED AGENTS SIGNATURE  Transporter's Name	ched. (Check the appropriate items as provided)  n RCRA Hazardous Waste Ana	DATE  ORTER  Driver's Name	ended. The following documentation Other (Provide Description Below)	n demonstrating the waste as non-
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(PRINT) AUTHORIZED AGENTS SIGNATURE  Transporter's Name Address	ched. (Check the appropriate items as provided)  n RCRA Hazardous Waste Ana	DATE  ORTER  Driver's Name  Print Name  Phone No.	ended. The following documentation Other (Provide Description Below)	n demonstrating the waste as non-
(PRINT) AUTHORIZED AGENTS SIGNATURE  Transporter's Name Address Phone No.	ched. (Check the appropriate items as provided)  n RCRA Hazardous Waste Ana  TRANSP	DATE  ORTER  Driver's Name  Print Name  Phone No.  Truck No.	Other (Provide Description Below)	in demonstrating the waste as non-
(PRINT) AUTHORIZED AGENTS SIGNATURE  Transporter's Name Address	ched. (Check the appropriate items as provided)  n RCRA Hazardous Waste Ana  TRANSP	DATE  ORTER  Driver's Name  Print Name  Phone No.  Truck No.	Other (Provide Description Below)	in demonstrating the waste as non-
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(PRINT) AUTHORIZED AGENTS SIGNATURE  Transporter's Name Address  Phone No. I hereby certify that the above named material(s) was SHIPMENT DATE  TRUCK TIME STAMP	rched. (Check the appropriate items as provided)  RCRA Hazardous Waste Ana  TRANSP  /were picked up at the Generator's site listed at DRIVER'S SIGNATURE	DATE  ORTER  Driver's Name Print Name Phone No. Truck No. Doove and delivered without	Other (Provide Description Below)  sic sic structure of the disposal facility list report of the disposal facility list re	n demonstrating the waste as non-
(PRINT) AUTHORIZED AGENTS SIGNATURE  Transporter's Name Address  Phone No. I hereby certify that the above named material(s) was	rched. (Check the appropriate items as provided)  RCRA Hazardous Waste Ana  TRANSP  /were picked up at the Generator's site listed at DRIVER'S SIGNATURE	DATE  ORTER  Driver's Name Print Name Phone No. Truck No. Doove and delivered without	Other (Provide Description Below)  Sig  It incident to the disposal facility list	n demonstrating the waste as non-
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(PRINT) AUTHORIZED AGENTS SIGNATURE  Transporter's Name Address  Phone No. I hereby certify that the above named material(s) was  SHIPMENT DATE  TRUCK TIME STAMP OUT:  Site Name/ Permit No.  Red Bluff Facility/ STF-065	rched. (Check the appropriate items as provided)  RCRA Hazardous Waste Ana  TRANSP  /were picked up at the Generator's site listed at DRIVER'S SIGNATURE  DISPOSAL	DATE  ORTER  Driver's Name  Print Name  Phone No.  Truck No.  DOVE and delivered without	Other (Provide Description Below)  sic sic structure of the disposal facility list report of the disposal facility list re	n demonstrating the waste as non-
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(PRINT) AUTHORIZED AGENTS SIGNATURE  Transporter's Name Address  Phone No. I hereby certify that the above named material(s) was  SHIPMENT DATE  TRUCK TIME STAMP OUT:  Site Name/ Permit No. Address  Red Bluff Facility/ STF-065 5053 US Highway 285, Orla, TX 797	TRANSP  TRANSP   TRANSP   DRIVER'S SIGNATURE  DISPOSAL	DATE  ORTER  Driver's Name  Print Name  Phone No.  Truck No.  DOVE and delivered without  DELIVER  Phone No.	Other (Provide Description Below)  It incident to the disposal facility list  RECEIV  Name/No.  432-448-4239	ted below.  DRIVER'S SIGNATURE  ING AREA
(PRINT) AUTHORIZED AGENTS SIGNATURE  Transporter's Name Address  Phone No. I hereby certify that the above named material(s) was  SHIPMENT DATE  TRUCK TIME STAMP OUT:  Site Name/ Permit No. Address  Red Bluff Facility/ STF-065 5053 US Highway 285, Orla, TX 797 NORM READINGS TAKEN? (Circle One Chloride	TRANSP  TRANSP  TRANSP  DRIVER'S SIGNATURE  DISPOSAL  TANK BC	DATE  ORTER  Driver's Name  Print Name  Phone No.  Truck No.  Deciver and delivered without  DELIVER  FACILITY  Phone No.  If YES, was reading Conductivity (mmhos/cm)	Other (Provide Description Below)  It incident to the disposal facility list  RECEIV  Name/No.  432-448-4239	ted below.  DRIVER'S SIGNATURE  ING AREA  P) YES NO
(PRINT) AUTHORIZED AGENTS SIGNATURE  Transporter's Name Address  Phone No. I hereby certify that the above named material(s) was  SHIPMENT DATE  TRUCK TIME STAMP OUT:  Site Name/ Permit No. Address  Red Bluff Facility/ STF-065 5053 US Highway 285, Orla, TX 797 NORM READINGS TAKEN? (Circle One Chloride Chemical Analysis (Mg/l)  Feet	TRANSP  TRANSP  Were picked up at the Generator's site listed at DRIVER'S SIGNATURE  DISPOSAL  VES NO	DATE  ORTER  Driver's Name Print Name Phone No. Truck No. Dove and delivered without  DELIVER  FACILITY  Phone No.  If YES, was readin Conductivity (mmhos/cm)	other (Provide Description Below)  It incident to the disposal facility list  RECEIV  Name/No.  432-448-4239	ted below.  DRIVER'S SIGNATURE  ING AREA  e) YES NO pH
(PRINT) AUTHORIZED AGENTS SIGNATURE  Transporter's Name Address  Phone No. I hereby certify that the above named material(s) was  SHIPMENT DATE  TRUCK TIME STAMP OUT:  Site Name/ Permit No. Address  Red Bluff Facility/ STF-065 5053 US Highway 285, Orla, TX 797 NORM READINGS TAKEN? (Circle One Chloride Chemical Analysis (Mg/I)	TRANSP  TRANSP  TRANSP  DRIVER'S SIGNATURE  DISPOSAL  TANK BC	DATE  ORTER  Driver's Name Print Name Phone No. Truck No. Dove and delivered without  DELIVER  FACILITY  Phone No.  If YES, was readin Conductivity (mmhos/cm)	Other (Provide Description Below)  It incident to the disposal facility list  RECEIV  Name/No.  432-448-4239	ted below.  DRIVER'S SIGNATURE  ING AREA  P) YES NO

NAME (PRINT)

DENIED

If denied, why?

ACCEPTED

			THE STATE OF	Thome was	Company of Automotive
		GI	NERATOR	NO. 8002	542
erator No.			Permit/RRC No.	v. ou	
	Compa	26.11.NC	Lease/Well Name & No.	Catho 1 oto 3	FROM F
erators Name	- LIII	P Dim not	County		P - ANT WHILE
dress			API No.	30 015 4	7452
y, State, Zip			Rig Name & No.		
ione No.			AFE/PO No.		- Att be tra
one no	EYEMPT E&P Wa	ste/Service Identification and Ar	nount (place volume next to wast	e type in barrels or cubic yards)	AND RESERVED THE REAL PROPERTY.
Based Muds	EXCIVITY ESS TWO	NON-INJECTABLE WATERS		THER EXEMPT WASTES (type and generation	n process of the waste)
l Based Cuttings		Washout Water (Non-Injectable) Completion Fluid/Flow back (Non-In	ujostablo)		
ater Based Muds ater Based Cutting		Produced Water (Non-Injectable)	ijectable)		
roduced Formation	n Solids	Gathering Line Water/Waste (Non-	njectable)	Later Manager	
ank Bottoms &P Contaminated S	Soil	Truck Washout (exempt waste)	Medical particular in		
as Plant Waste				DODUCTION CAT	HERING LINES
ASTE GENERATI	TION PROCESS:	DRILLING	COMPLETION P	RODUCTION GAT	HERING LINES
	All pag gyamet EP.D.u	NON-EXEMPT E&P W	aste/Service Identification and Amoun the threshold limits for toxicity (TCLP),	t Ignitability, Corrosivity and Reactivity.	
on-Exempt Other	-All non-exempt Exer v	vaste must be analysed and be below		Non-Exempt Waste List on back	
LANITITY		B - BARRELS		Y - YARDS	E - EACH
JANTITY			ov 40 CER Part 261 or any applicable sta	ate law. That each waste has been prope	erly described, classified and
ereby certify that ckaged, and is in r	proper condition for transportation	n according to applicable regulation.			
	Oil field wastes ge	enerated from oil and gas exploration	and production operations and are no	ot mixed with non-exempt waste (R360 A	ccepts certifications on a pe
RCRA EXEMI	load basis only)				ad in BCBA cognitations 40.0
RCRA NON-E	EXEMPT: Oil field waste wh	nich is non-hazardous that does not e	xceed the minimum standards for wast v 40 CFR part 261, subpart D, as amen	te hazardous by characteristics established ded. The following documentation demo	instrating the waste as non-
		ched. (Check the appropriate items a			
	MSDS Informatio	n RCRA Hazardous	Waste Analysis C	Other (Provide Description Below)	
				27	-
				- State of -	
(PRINT) AU	UTHORIZED AGENTS SIGNATURE		DATE	SIGNATURE	
		TR	ANSPORTER		
ransporter's			Driver's Name		
ame	MC models in	AND TO LO	Print Name	11616	The same of the sa
ddress	TINION FOR	MACHINE TANDAR TO THE TAND	Phone No.		
hone No.			Truck No.	1162	
	at the above named material(s) was	s/were picked up at the Generator's s	ite listed above and delivered without	incident to the disposal facility listed belo	ow.
nereby certify that	te the above harnes materially was	у, пота римен ар атта	231-21	- 1/1 - 1/14 Ki	1,5 ×
SHIPMENT	IT DATE	DRIVER'S SIGNATURE	DELIVERY	DAIL	/ER'S SIGNATURE
	TRUCK TIME STAMP	DISP	OSAL FACILITY	RECEIVING	AREA
N: _ 3 _ C	OUT:			Name/No	
ite Name/		a Tomas as No.	Phone No.		
ermit No. F	Red Bluff Facility/ STF-065		- Filotie No.	132-448-4239	
Address 5	5053 US Highway 285, Orla, TX 79	770		Still A	VES NO
	RM READINGS TAKEN? (Circle One Chloride	YES NO	If YES, was reading Conductivity	g > 50 micro roentgens? (circle one)	YES NO
Themical Analysis			(mmhos/cm)		pH
		TA	NKBOTTOMS	windownia is a state	
	Feet	Inches	DC8.1	W/BBLS Received	BS&W (%)
-			538	Free Water	JOHN HAND
A Principal Commence of the Co			was stry man what all a	Total Received	
1st Gauge 2nd Gauge Received			A STATE OF THE PARTY OF THE PAR		
2nd Gauge Received		ACCEPTED	DENIED If denied why?		
2nd Gauge Received	that the above load material has b	peen (circle one): ACCEPTED	DENIED If denied, why?	- Attended to the formation	Marie Service Commission
2nd Gauge Received	Drilling	2/4/07	DENIED If denied, why?	SIGNATURE	a marmin tan meshida a marif fundin disenta and traditional and
2nd Gauge Received	that the above load material has because (PRINT)	peen (circle one): ACCEPTED	<u> </u>	SIGNATURE	

VIRONMENTAL SOLUTIONS		(PLEA	SE PRINT) *REQUI	RED INFORMATION* Name	ne No
		GENE	RATOR	NO.	8002543
		O-IN-	Permit/RRC No.	and the control of th	CPUZUUO
Operator No.	- ~ 11	the state of the state of	Lease/Well	A 1	- ZUCHONES H
Operators Name	200 July	1. PS-	Name & No.	LONG CLICK	0 C44 CC CO 0
Address		A THE PROPERTY	County	201016	- N - W/A - DUCE 7
			API No.	30 013	A DENNI LOVE TO THE REAL PROPERTY AND A SECOND PROPERTY OF THE PERTY O
City, State, Zip		1000	Rig Name & No.	u su <del> say a di Kampi ya 14</del> jint	Did Thomas Administra
Phone No.		and the second	AFE/PO No.		CHESTON TO THE PERSON TO THE P
i i	XEMPT E&P Waste/Service I	dentification and Amount	(place volume next to w	aste type in barrels or cubic ya	rds)
Oil Based Muds	NON-INJECTA	ABLE WATERS		OTHER EXEMPT WASTES (type and	generation process of the waste)
Oil Based Cuttings Water Based Muds		ter (Non-Injectable) Fluid/Flow back (Non-Injectab	le)		
Water Based Cuttings		ater (Non-Injectable)		Child	
Produced Formation Solids		ne Water/Waste (Non-Injecta	ole)	Elred du	The wall would be
Tank Bottoms E&P Contaminated Soil	Truck Washo	out (exempt waste)		THE REAL PROPERTY AND ADDRESS OF THE PARTY.	
Gas Plant Waste	Truck Washe	at (change maste)			
WASTE GENERATION PROCESS	: DRILLING	СОМ	PLETION	PRODUCTION	GATHERING LINES
		NON-EXEMPT E&P Waste/S	ervice Identification and Am	ount	
All	non-exempt E&P waste must be	analysed and be below the th	reshold limits for toxicity (TC	LP), Ignitability, Corrosivity and Rea	ck
Non-Exempt Other			*please select fr	om Non-Exempt Waste List on ba	
QUANTITY		B - BARRELS		Y - YARDS	E - EACH
I hereby certify that the above liste	d material(s), is (are) not a hazar	dous waste as defined by 40 0	FR Part 261 or any applicable	e state law. That each waste has be	en properly described, classified and
packaged, and is in proper conditio	n for transportation according to	applicable regulation.			
RCRA EXEMPT:		oil and gas exploration and p	roduction operations and are	e not mixed with non-exempt waste	(R360 Accepts certifications on a per
NCRA EXEMPT.	load basis only)		3 5 5	have doug by characteristics	established in RCRA regulations, 40 CFI
RCRA NON-EXEMPT:	Oil field waste which is non-haz	ardous that does not exceed	the minimum standards for v	waste nazardous by characteristics to nended. The following documentati	established in RCRA regulations, 40 CFF on demonstrating the waste as non-
	hazardous is attached. (Check t				
	MSDS Information	RCRA Hazardous Waste		Other (Provide Description Below	v)
	The state of the s			11	
(PRINT) AUTHORIZED AGENTS S	SIGNATURE		DATE	- Jane	SIGNATURE
A CONTRACTOR OF THE CONTRACTOR		TRAN	SPORTER	A THE STATE OF THE	
Tax - Transaction V		11///14		1771	
Transporter's			Driver's Name	Jee falle	
Name Address	who was	tores	Print Name		
- III	Hatalas		Phone No.		
Phone No.	- HOOD	)	Truck No.	1151	
	and material(s) was (were nicked	up at the Generator's site list	ed above and delivered with	out incident to the disposal facility l	isted below.
I hereby certify that the above har	ned material(s) was were pieces	ap at the senerator some not			2 (0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
SHIPMENT DATE	DRIVER'S SIGN	ATURE	DELI	VERY DATE	DRIVER'S SIGNATURE
TRUCK T	IME STAMP	DISPOS	AL FACILITY	RECEI	VING AREA
And the same of the same of			in the Control of Control	Name/No.	
IN:	OUT:	The state of the s		110111071101	
Site Name/ Red Bluff Fac	ility/ STF-065		Phone No.	432-448-4239	
Fermitivo.	ay 285, Orla, TX 79770		V w.V		100
0000	TAKEN? (Circle One) YES	NO	If YES, was rea	ding > 50 micro roentgens? (circle o	one) YES NO
NORM READINGS Chloride	TAKENY (CIPCIE ONE)	NO	Conductivity		
Chemical Analysis (Mg/l)			(mmhos/cm)_		pH pH
		TANK	BOTTOMS	and the same of th	
	Feet	Inches	my of the E	BS&W/BBLS Received	BS&W (%)
1st Gauge 2nd Gauge			and son a management of	Free Water	- Miller/Deliberia
Received			din di James de	Total Received	
					The matter are designed to the second
I hereby certify that the above	load material has been (circle or	ne): ACCEPTED	DENIED If denied, wh	ıyı	of this is, is a three self-roterial.
					SIGNATURE
NAME (PRINT)		DATE	TITLE		SIGNATURE

	1 30 Jak	W.			Wall Black	a fair frenchis	Phone No	O	OLO ULBETA
			GE	NERATOR		NO.	State of the	8002	541
perator No.			- Harriston	Permit/		Mary Constant		A the of the	All the sales
				Lease/W	300	Poller Wall	er bands and	THE ALL ON	
erators Name		- Hon-		Name &	No.	1	III. III III.	VETT BAT D	nauli
lress				County		1 1 AC 2 1 1	d Wayn-	7 + (107 100 LIII)	PLT LT
	地位12	Tarif al III	NOTE TO THE	API No.		HI III III	1 100	permant makes (s	1753
y, State, Zip	Manager 1		The state of the s	Rig Nam	ie & No.	the state of the s	William St.	THE PERSON NAMED IN	TIN-
one No.				AFE/PO	No.				
	EXEMPT E&P Wa	aste/Service Iden	ntification and Am	ount (place volume n	ext to waste	type in barrels or cu	ubic yards)	(定學多)原 (6)	
Based Muds	nadmus	NON-INJECTABLE				HER EXEMPT WASTES (		ation process of the	waste)
Based Cuttings		Washout Water (							
ater Based Muds ater Based Cuttings		Produced Water	(Non-Injectable)	ectable)	The state of the s		and high	TO THE OWNER OF	TE TOBA O
oduced Formation Solids			/ater/Waste (Non-In	jectable)					parent.
nk Bottoms		INTERNAL USE OF							
P Contaminated Soil		Truck Washout (e	exempt waste)	HIS III 1014 II - III	<del></del>	Filips (17) THE ATTENDED	Luisava	Emmantities on	(4)1(1)
ASTE GENERATION PROCES	s:	DRILLING		COMPLETION	PR	ODUCTION	G/	ATHERING LINE	ES
STE SENERATION ( NOCES		Medital Control of the Viviant		CHARLES CALLES AND A	and Amount		- A-C 39***		
Al	I non-exempt E&P	waste must be anal	vsed and be below t	ste/Service Identification he threshold limits for to	oxicity (TCLP), I	gnitability, Corrosivity	and Reactivity		
n-Exempt Other						lon-Exempt Waste List		- 146	# 1 1 1 1 N N
T Exempt outer									
ANTITY			B - BARRELS			Y- YARI	DS		E - EACH
reby certify that the above liste	ed material(s), is (ar	re) not a hazardous	waste as defined by	40 CFR Part 261 or any	applicable state	e law. That each waste	e has been pro	operly described	, classified ar
kaged, and is in proper condition	on for transportatio	n according to app	licable regulation.	and production operation	es and are not	miyed with non-evemn	nt waste (R36)	Accents certific	rations on a r
RCRA EXEMPT:	load basis only)	generated from oil a	and gas exploration a	and production operation	is and are not	mixed with non-exemp	st waste (nso	o riccepto certific	The state of the party of the p
Femore 10.1 For the PURISHER PRODUCT OF THE		bieb is non basassis	aus that door not over	ceed the minimum stand	ards for waste	hazardous by characte	eristics establi	shed in RCRA rea	zulations, 40
RCRA NON-EXEMPT:	261 21-261 24 c	nich is non-nazardo or listed bazardous	waste as defined by	40 CFR, part 261, subpar	t D. as amende	d. The following docur	mentation de	monstrating the	waste as non
			Washington and Williams	THE REAL PROPERTY AND ADDRESS.					
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Received by R369	OCD: 10/28/20	21 2:47:	06 <b>PM</b> TEXA	AS NON-HAZA	RDOUS OILFIE (PLEASE PRIN	The state of the s	ANIFEST UIRED INFORMATION*	Name	The state of the s
SOLUTIONS -					ENIEDAT	00	Wall Wall to It It I I	Phone	
Operator No.	-Aons	<del>(()</del>	Dh.H.	, p <	GENERAT	Permit/RRC No Lease/Well		800	12552
Operators Name		7		1 -		Name & No.	Capo wabo	039	1 Just 1905-11
Address				T WILTH		County			2-2 / // 2-3
						API No.	30.0	15-5	4466
City, State, Zip		Mar Taranta				Rig Name & No	to ot <del>and the total</del>	rimerie	<del>mented united</del>
Phone No.					ogumento y	AFE/PO No.			
	EXEMP	PT E&P Was	the last residence of the last residence of		Amount (place v	olume next to	waste type in barrels or co		
Oil Based Muds Oil Based Cuttings		midfug.	NON-INJECTABL	(Non-Injectable)			OTHER EXEMPT WASTES (	ype and ger	neration process of the waste)
Water Based Muc				d/Flow back (Non-	-Injectable)		or an internal and a second		k minimula subject to the contract of the cont
Water Based Cutt Produced Format	Control of the Contro			r (Non-Injectable) Water/Waste (Nor	-Injectable)				\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Tank Bottoms	ion sonus	1	INTERNAL USE C		Thijectable		the state design and price		un Professor Positivity
E&P Contaminate	d Soil	/	Truck Washout	(exempt waste)		In the same of	miles wheel bounces		- Lettojapino Julijiti
Gas Plant Waste WASTE GENERA	ATION PROCESS:		DRILLING		COMPLETION	) In the L	PRODUCTION		GATHERING LINES
	All non-ex	xempt E&P w			Waste/Service Ide		mount TCLP), Ignitability, Corrosivity	and Reacti	vity.
Non-Exempt Othe							from Non-Exempt Waste Lis		
QUANTITY				B - BARRELS			14 Y-YAR	os	E - EACH
I hereby certify th	at the above listed mate	erial(s), is (are	) not a hazardou	is waste as defined	d by 40 CFR Part 20	51 or any applica	ble state law. That each waste	has been	properly described, classified and
	n proper condition for tr	ransportation	according to app	plicable regulation	1.				
RCRA EXE	MP1:		nerated from oil	and gas explorati	on and production	operations and	are not mixed with non-exemp	it waste (K	360 Accepts certifications on a per
7	1006	basis only)	ich is non-hazard	lous that does not	exceed the minim	um standards fo	r waste hazardous by characte	ristics esta	ablished in RCRA regulations, 40 CFR
RCRA NON	N-EXEMPT: Oil fig. 261.2	21-261.24, or	listed hazardous	waste as defined	by 40 CFR, part 26	1, subpart D, as	amended. The following docu	nentation	demonstrating the waste as non-
	hazai	rdous is attac	hed. (Check the	appropriate items				recorder	
	MSD	S Information		RCRA Hazardou	is Waste Analysis		Other (Provide Descriptio	n Below)	
	W AXE THE						S ELW 4	1	
	Want of America	- tem			9-	1-21	- Par	EIGN	ATURE
(PRINT)	AUTHORIZED AGENTS SIGNATUR	RE		_		DATE		Sidiv	ATORE
				Π	RANSPOR	RTER			
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Name Address	190	11/00	We y	the the	>	Print Name	The state of the s	11.1	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						Phone No.			
Phone No.		177				Truck No.	1771- 2	-/	
I hereby certify th	nat the above named ma	aterial(s) was,	/were picked up	at the Generator's	s site listed above	and delivered wit	thout incident to the disposal t	acility liste	ed below.
			A <sup>N</sup>			con Q	CETTAL 1	119	and the first comment
SHIPMI	ENT DATE		DRIVER'S SIGNATUR	RE	A DA Plan by	/ DI	ELIVERY DATE		DRIVER'S SIGNATURE
	TRUCK TIME	STAMP		DIS	POSAL FA	CILITY	RI	CEIVI	NG AREA
IN:	On OL	JT:					Name/No		
Site Name/ Permit No.	Red Bluff Facility/ S	TF-065		-		Phone No.	432-448-4239		mater Color By Line 1 Leady Land
Address	5053 US Highway 285,	Orla, TX 797	70						
N	ORM READINGS TAKEN	? (Circle One)	YES	NO	1 to 1 to 1 to	If YES, was re	eading > 50 micro roentgens?	circle one	YES NO
Chemical Analysi	Chloride					Conductivity (mmhos/cm	)		рН
				-	NK BOTT	OMS			
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1st Gauge 2nd Gauge					and make the		Free Water		approximate .
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( possession as as	for the state of t	natorial bas b	non (circle ana)	ACCEPTED	DENIED	If denied, v	why?		Par an illusor duri sondi
i nereby certi	fy that the above load m	iaterial nas b	een (circle one):	ACCEPTED	DEMIED	A defiled, V	- 15	770	the expension and party
	NAME (BRIDTY)			DATE	///	TITLE	//	SIGI	NATURE
	NAME (PRINT)			DATE					

Operator No.   GENERATOR   NO. 8 02550   Operators Name   Name & No.   No. 8 0250   Operators Name   Name & No.   No. 8 0250   Operators Name   No. 8 02550   Operators Name   No. 8 02550   Operators Name   No. 8 02550   Operators Name & No.   No. 8 02550   O	Received by OCD: 10	/28/2021 2:47:	06 PM TEX	XAS NON-HAZAI			NIFEST RED INFORMAT		mpany MaPiege 122 of 148
Generator No.  GENERATOR  No. 8 02550  Permit (Ric No. LeasyNet)  Address  County  Coun	ENVIRONMENTAL SOLUTIONS				(PLEASE PRIN	) KEQUI	NED INFORMA		
Operation No.    Present Role   Power April 19   Power Ap				6	ENIEDATO	)D			
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De Based Circles OF Produced Formation Solids Cathering Live Water (Nam Injectable) OF Produced Formation Solids Cathering Live Water (Nam Injectable) OF Produced Formation Solids Cathering Live Water (Nam Injectable) OF Produced Formation Solids Cathering Live Water (Nam Injectable) OF Produced Formation Solids Cathering Live Water (Nam Injectable) OF Produced Formation Solids Cathering Live Water (Nam Injectable) OF Produced Formation Solids Cathering Live Water (Nam Injectable) OF Produced Formation Solids Cathering Live Water (Nam Injectable) OF Produced Formation Solids Cathering Live Water (Nam Injectable) OF Produced Formation Solids Cathering Live Water (Nam Injectable) OF Produced Formation Solids Cathering Live Water (Nam Injectable) OF Produced Formation Solids Cathering Live Water (Nam Injectable) OF Produced Formation Solids Cathering Live Water (Nam Injectable) OF Produced Formation Solids Cathering Live Water (Nam Injectable) OF Produced Formation Solids OF Produced Water (Nam Injectable) OF Produced Water	City, State, Zip			-	HI GOLD TO	Rig Name & No.		<del>y</del>	
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Washbook Water Raved Musts   Washbook Water Raved Musts   Water Based Guttings   Produced Formation Solds   Complete For Hull/Flow book (Unro-Injectable)   Produced Formation Solds   Complete For Hull/Flow Book (Unro-Injectable)   Produced Formation Solds   Complete Formation Solds   Comp		EXEMPT E&P Wa	ste/Service Id	lentification and A	Amount (place vo	lume next to wa	aste type in barre	ls or cubic yards	
Water Based (Muds Water Based (Chrisps Produced Formation Solids Gathering Line Water (Man-Injectable) Produced Formation Solids Gathering Line Water (Man-Injectable) BIRTHAN LISE GRIVE Truck Washout (peempl waste) WASTE GENERATION PROCESS:   DIRLLING   DIRLLING   DIRLLING STARK   DIRLLING   DIRLLING STARK   DIRLLING STARK   DIRLLING STARK   DIRLLING STARK   DIRLLING STARK   DIRLING STARK   DIRLLING STARK   DIR	50/31/4/2007 PM (MA) 4	THE PERSON NAMED IN	NAME AND ADDRESS OF THE OWNER, WHEN PERSONS NAMED AND ADDRESS OF T				OTHER EXEMPT W	ASTES (type and ger	eration process of the waste)
Water Based Cuttings Produced Formation Solids Tank Sections Set Plant Water Witter Water  NON-EXEMPT SEP Wasser (Non-injectable) WITERALD USE ONLY WATER OXAMPHAND TO PROCESS:  DRILLING  NON-EXEMPT SEP Wasser (Non-injectable)  Non-EXEMPT SEP Wass	Control of the Contro				Injectable)				The second section is a second
Transporter's Name Aldress Signature Sold Signature State Market Signature Sold S	Marie and Marian San San San San San San San San San S					-	Pa a		The state of the s
REP CHAINTAINS WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES  Non-Exempt Other Processing Complete Com	The property of the property o		PERSONAL PROPERTY AND PERSONS NAMED IN COLUMN 2 IN COL	NAME AND ADDRESS OF TAXABLE PARTY.	-Injectable)		EN	J Car	Maria maria de la composición dela composición de la composición de la composición dela composición d
NON-EXEMPT EACH   DRILLING   COMPLETION   PRODUCTION   GATHERING LINES	The state of the s		THE RESERVE AND DESCRIPTIONS				nominal spanner		madiateurs y lattest
WASTE GENERATION PROCESS:    DRILLING   COMPLETION   PRODUCTION   GATHERING LINES	parent planting to the parent many		Truck Washou	t (exempt waste)	Tirliadi in Titli 124	**************************************		-121119 - 2129	THE PROPERTY OF THE PARTY OF TH
All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP). Britability, Correstivity and Reactivity.    Non-Exempt Other		SS:	DRILLING		COMPLETION		PRODUCTION	ALT ALT	GATHERING LINES
Non-Exempt Other									
DUANTITY  B - BARRELS  (Y - YARDS E - EACH  Thereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.  Oli field waste generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)  In field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)  MSDS information  RCRA Hazardous Waste Analysis  TRANSPORTER  Transporter's  Name  Print Name  Phone No.  Ihereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.  SUMMENT DATE  TRUCK TIME STAMP  DISPOSAL FACILITY  RECEIVING AREA  Name/No.  Phone No.  11 YES, was reading > 50 micro roentgens? (circle one)  NORN READINGS TAKEN? (Circle One)  Conductivity  (mmhos/rm)  Feet  Inches  Feet  Inches  BS&W/8BIS Received  BS&W (%)  Free Water)		All non-exempt E&P v	vaste must be ar	nalysed and be below	w the threshold limi		- AND STREET,		ity.
TRANSPORTER  Transporter's Name    MSDS information   RCRA Hazardous Waste was defined by 40 CFR Part 251 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.  Oli field waste speciated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)    GREA NON-EXEMPT: Oli field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)    MSDS information	Non-Exempt Other					*please select fro	m Non-Exempt Wo	aste List on back	
packaged, and is in proper condition for transportation according to applicable regulation.    RCRA EXEMPT:	QUANTITY			B - BARRELS			142 (	Y - YARDS	E - EACH
Transporter's Name Address Print Name Phone No. I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.  SHIPMENT DATE DRIVER'S SIGNATURE ANAME/No.  SIte Name/ Permit No. Address SO33 US Highway 285, Orla, TX 79770  NORM READINGS TAKEN? (Circle One) Chloride Chemical Analysis (Mg/l)  Feet Inches  BS&W/BBLS Received BS&W (%) Free Water	RCRA NON-EXEMPT:	261.21-261.24, o hazardous is atta	r listed hazardou ched. (Check the	us waste as defined be appropriate items a	oy 40 CFR, part 261, as provided)	n standards for wa subpart D, as ame	ended. The followin	g documentation o	demonstrating the waste as non-
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NAME (PRINT)

DENIED

ACCEPTED

If denied, why?

ped by OCD: 10/28/2021 2:47:06 PM TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST Company Man Rage 123 of 148 \*REQUIRED INFORMATION\* (PLEASE PRINT) Phone No GENERATOR NO. Permit/RRC No Operator No. Lease/Well Operators Name Name & No County Address API No. City, State, Zip Rig Name & No. AFE/PO No Phone No. EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards) Oil Based Muds Oil Based Cuttings Washout Water (Non-Injectable) Water Based Muds Completion Fluid/Flow back (Non-Injectable) Water Based Cuttings Produced Water (Non-Injectable) Gathering Line Water/Waste (Non-Injectable) Produced Formation Solids Tank Bottoms **E&P** Contaminated Soil Truck Washout (exempt waste Gas Plant Waste **GATHERING LINES** WASTE GENERATION PROCESS DRILLING COMPLETION **PRODUCTION** All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity \*please select from Non-Exempt Waste List on back Non-Exempt Other B - BARREIS Y - YARDS F - FACH QUANTITY I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation. Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per RCRA EXEMPT: load basis only) 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 RCRA NON-EXEMPT: 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as nonhazardous is attached. (Check the appropriate items as provided) Other (Provide Description Below) RCRA Hazardous Waste Analysis SIGNATURE DATE (PRINT) AUTHORIZED AGENTS SIGNATURE TRANSPORTER Driver's Name Print Name Phone No. Truck No. DRIVER'S SIGNATURE DRIVER'S SIGNATURE DELIVERY DATE RECEIVING AREA DISPOSAL FACILITY TRUCK TIME STAMP Name/No. OUT: Phone No Red Bluff Facility/STF-065 432-448-4239 5053 US Highway 285, Orla, TX 79770

Transporter's Name Address I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below IN: Site Name/ Permit No Address If YES, was reading > 50 micro roentgens? (circle one) YES NO NORM READINGS TAKEN? (Circle One) Conductivity Chloride рН Chemical Analysis (Mg/I) (mmhos/cm) Inches BS&W/BBLS Received BS&W (%) 1st Gauge Free Water 2nd Gauge Total Received Received ACCEPTED DENIED If denied, why? I hereby certify that the above load material has been (circle one): SIGNATURE NAME (PRINT) Blue - TRANSPORTER Yellow - GENERATOR Version 1

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Address	5053 US Highway 285, Orla, TX 797	70		With the second	And Mark Mark
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NAME (PRINT)

Received

DENIED

If denied, why?

ACCEPTED

DATE

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	that the above lister s in proper condition				fined by 40 CFR Part	261 or any applic	able state law. Th	nat each waste has t	been properly d	escribed, classified
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\*REQUIRED INFORMATION\* Name

SOLUTIONS	teneral	Phone No.
	GENERATOR	No. 8002555
Operator No	Permit/RRC No. Lease/Well	and a superior and a
Operators Name	Name & No.	Cabo unto 34 Feb 0054
Address	County	"v Monothu Fromto a parone number wa pro-the p
	API No.	30-015-42482
City, State, Zip	Rig Name & No.	AN ALE TRANSPORTED TO THE PROPERTY OF THE PROP
Phone No.	AFE/PO No.	dates and the second of the se
	aste/Service Identification and Amount (place volume next to	
Oil Based Muds Oil Based Cuttings	NON-INJECTABLE WATERS Washout Water (Non-Injectable)	OTHER EXEMPT WASTES (type and generation process of the waste)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	estimation of water -check the but on that such describe-
Water Based Cuttings Produced Formation Solids	Produced Water (Non-Injectable)  Gathering Line Water/Waste (Non-Injectable)	E N O
Tank Bottoms  E&P Contaminated Soil	INTERNAL USE ONLY Truck Washout (exempt waste)	TNO DUMFTION STATES
Gas Plant Waste	Huck Washout (exempt waste)	ne we surgio harms, by sid Wis nathuginuality and Pro-
WASTE GENERATION PROCESS:	DRILLING COMPLETION	PRODUCTION GATHERING LINES
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Non-Exempt Other		from Non-Exempt Waste List on back
QUANTITY	B - BARRELS	Y-YARDS E-EACH
	re) not a hazardous waste as defined by 40 CFR Part 261 or any applicab	ole state law. That each waste has been properly described, classified and
packaged, and is in proper condition for transportation	n according to applicable regulation.	
RCRA EXEMPT: Oil field wastes g load basis only)	enerated from oil and gas exploration and production operations and a	re not mixed with non-exempt waste (R360 Accepts certifications on a per
RCRA NON-EXEMPT: Oil field waste w	hich is non-hazardous that does not exceed the minimum standards for	waste hazardous by characteristics established in RCRA regulations, 40 CFR
	or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as a sched. (Check the appropriate items as provided)	mended, The following documentation demonstrating the waste as non-
MSDS Information		Other (Provide Description Below)
TVT		
1 9 1919117	9-7-21	SIZE OF THE REAL PROPERTY.
(PRINT) AUTHORIZED AGENTS SIGNATURE	DATE	SIGNATURE
	TRANSPORTER	The state of the s
Transporter's Name	Driver's Name	JR HORPAN Anthro this travel to have
Address MC Atabb	- Drucky Print Name	Andreas and Alice
11000	Phone No.	Alexander property who were
Phone No.	V// / Truck No.	1-476 mar greet take read more to
I hereby certify that the above named material(s) was	s/were picked up at the Generator's site listed above and delivered with	nout incident to the disposal facility listed below.
SHIPMENT DATE		IVERY DATE DRIVER'S SIGNATURE
TRUCK TIME STAMP		RECEIVING AREA
IN: 10 19 1 OUT:	DISPOSAL FACILITY	Name/No.
Site Name/	Phone No.	states with the manufacture and the month of the contraction of the co
Permit No. Red Bluff Facility/ STF-065 Address 5053 US Highway 285, Orla, TX 79	A COLUMN TO THE PROPERTY OF TH	432-448-4239
NORM READINGS TAKEN? (Circle One		ading > 50 micro roentgens? (circle one) YES NO
Chloride PM = 107	Conductivity (mmhos/cm)	pH
Chemical Analysis (Mg/l)	TANK BOTTOMS	estandinancia in prespect est.
Feet	Inches	mental and the content of their sections bestell the rest of ex-
1st Gauge	ma , estant material	BS&W/BBLS Received BS&W (%) Free Water
2nd Gauge Received	A second	Total Received
I hereby certify that the above load material has b	peen (circle one): ACCEPTED DENIED If denied, wh	NY!
100ge 4500)	TATE COLUMN	SIGNATURE
NAME (PRINT)	DATE	SIGNATURE

Received by OCD: 10/28/2021 2:47:06 PM EXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST Company Man Page 128 of 148 \*REQUIRED INFORMATION\* Name (PLEASE PRINT) GENERATOR Permit/RRC No. Operator No. Lease/Well Name & No. Operators Name County Address API No Rig Name & No City, State, Zip AFE/PO No. Phone No EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards) Oil Based Muds Washout Water (Non-Injectable) Oil Based Cuttings Completion Fluid/Flow back (Non-Injectable) Water Based Muds Produced Water (Non-Injectable) Water Based Cuttings Gathering Line Water/Waste (Non-Injectable) **Produced Formation Solids** INTERNAL USE ONLY Tank Bottoms **E&P** Contaminated Soil Truck Washout (exempt waste) Gas Plant Waste **GATHERING LINES PRODUCTION** DRILLING COMPLETION WASTE GENERATION PROCESS All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity \*please select from Non-Exempt Waste List on back Non-Exempt Othe Y - YARDS B - BARRELS QUANTITY I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation. Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per RCRA EXEMPT: load basis only) 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 RCRA NON-EXEMPT: 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as nonhazardous is attached. (Check the appropriate items as provided) Other (Provide Description Below) MSDS Information RCRA Hazardous Waste Analysis (PRINT) AUTHORIZED AGENTS SIGNATURE TRANSPORTER Transporter's Driver's Name Name Print Name Address Phone No. Truck No. I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below. DRIVER'S SIGNATURE DRIVER'S SIGNATURE DELIVERY DATE SHIPMENT DATE RECEIVING AREA TRUCK TIME STAMP Name/No. OUT: IN: Site Name Phone No Red Bluff Facility/STF-065 432-448-4239 Permit No. Address 5053 US Highway 285, Orla, TX 79770 If YES, was reading > 50 micro roentgens? (circle one) NO NORM READINGS TAKEN? (Circle One) Conductivity Chloride pH (mmhos/cm) Chemical Analysis (Mg/I) TANK BOTTOMS Inches Feet BS&W/BBLS Received BS&W (%) 1st Gauge Free Water 2nd Gauge Total Received Received ACCEPTED DENIED If denied, why? I hereby certify that the above load material has been (circle one):

White - ORIGINAL

DATE

Blue - TRANSPORTER

Yellow - GENERATOR

SIGNATURE

Version 1

Received by OCD: 10/28/2021 2:47:06 PM EXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST Company Man Paget 129 of 148 \*REQUIRED INFORMATION\* Name (PLEASE PRINT) Phone No. GENERATOR NO. Permit/RRC No Operator No Lease/Well Name & No Operators Name County Address API No. Rig Name & No City, State, Zip AFE/PO No. Phone No EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards) Oil Based Muds Oil Based Cuttings Washout Water (Non-Injectable Water Based Muds Completion Fluid/Flow back (Non-Injectable) Water Based Cuttings Produced Water (Non-Injectable) Produced Formation Solids Gathering Line Water/Waste (Non-Injectable) Tank Bottoms E&P Contaminated Soil Truck Washout (exempt waste Gas Plant Waste PRODUCTION **GATHERING LINES** WASTE GENERATION PROCESS: DRILLING COMPLETION NON-EXEMPT E&P Waste/Service Identification and Amoun All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity Non-Exempt Other \*please select from Non-Exempt Waste List on back QUANTITY B - BARRELS Y - YARDS E - EACH I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation. Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per RCRA EXEMPT: load basis only) 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 RCRA NON-EXEMPT 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as nonhazardous is attached. (Check the appropriate items as provided) MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below) (PRINT) AUTHORIZED AGENTS SIGNATURE SIGNATURE TRANSPORTER Transporter's Driver's Name Name Address **Print Name** Phone No. Phone No. Truck No. I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below. DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE TRUCK TIME STAMP DISPOSAL FACILITY RECEIVING AREA IN: OUT: Name/No. Site Name Phone No Red Bluff Facility/STF-065 Permit No 432-448-4239 Address 5053 US Highway 285, Orla, TX 79770 NORM READINGS TAKEN? (Circle One) NO If YES, was reading > 50 micro roentgens? (circle one) YES NO Chloride Conductivity Chemical Analysis (Mg/I) (mmhos/cm) pH Feet Inches 1st Gauge BS&W/BBLS Received BS&W (%) 2nd Gauge Free Water Received **Total Received** I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT)

TITLE

DATE

Dil Based Cuttings Waster Based Muds Water Based Muds Water Based Muds Water Based Cuttings Produced Formation Solids Fank Bottoms Waster Based Cuttings Froduced Formation Solids Fank Bottoms Waster Based Cuttings Froduced Formation Solids Fank Bottoms Waster Based Waster Waste (Non-Injectable) Waster Based Waster Waste (Non-Injectable) Waster Based Waster Waster (Non-Injectable) Waster Based Waster Waster (Non-Injectable) Waster Based Waster Waster (Non-Injectable) Waster Based Waster (	No. 800256
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Lease/Well Name & No. County API No. API No. API No. API No. Rig Name & No. AFE/PO No.  EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste as defined by ADE Contaminated Soil as Plant Waste API No. API	THE RESERVE OF THE PERSON OF T
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Based Cuttings  Washout Water (Non-Injectable)  Ter Based Guttings  Gutter Based Guttings  Gutter Based Guttings  Guttings  Guttings  Produced Water (Non-Injectable)  INTERNAL USE ONLY  Truck Washout (exempt waste)  INTERNAL USE ONLY	e type in barrels or cubic yards)
ter Based Muds ter Based Cuttings duced Formation Solids de Bottoms Produced Water (Non-Injectable) Produced Water (Non-Injectable) Gathering Line Water/Waste (Non-Injectable) Produced Water (Non-Injectable) Truck Washout (exempt waste)  FURITHERNAL USE ONLY Truck Washout (exempt waste)  NON-EXEMPT E&P Waste/Service Identification and Amount All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Exempt Other  **please select from I  **pleas	THER EXEMPT WASTES (type and generation process of the waste)
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hereby certify that the packaged, and is in pro	oper condition	for transportation	on according to a	pplicable regulation	1.				Accepts certifications on a per
RCRA EXEMPT	ik .	load basis only)							hed in RCRA regulations, 40 CFR
RCRA NON-EX		261.21-261.24, 0	or listed hazardou	rdous that does not us waste as defined e appropriate items	by 40 CFR, part 2	261, subpart D, as am	nended. The following do	cumentation dem	onstrating the waste as non-
		MSDS Information		_	is Waste Analysis		Other (Provide Descrip	tion Below)	
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(PRINT) AUTH	HORIZED AGENTS SIG	SNATURE			-/	DATE		SIGNATUR	Samura di Artini
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Phone No.		-dtday(a) see	s /wara pickod u	n at the Generator's	s site listed above		out incident to the dispos	al facility listed be	elow.
I hereby certify that to	the above name	ed material(s) wa	s/were picked up	pactile deliciator.	3 Site listed above			200	The Part of the Pa
SHIPMENT D	DATE		DRIVER'S SIGNATI	URE		DELIV	/ERY DATE		RIVER'S SIGNATURE
representation	RUCK TII	ME STAMI	P	DIS	POSAL F.	ACILITY		RECEIVING	AREA
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Site Name/	1					Phone No.			
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Address 50	53 US Highway	y 285, Orla, TX 79	9770					37 - 1	YES NO
Ch	nloride	AKEN? (Circle On	e) YES	NO		Conductivity	ding > 50 micro roentgen	s? (circle one)	YES NO
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	EXEMPT E&I	Waste/Service Identifica		e volume next to w	vaste type in barrels or o OTHER EXEMPT WASTES	ubic yards)	es of the waste)
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roduced Formatic ank Bottoms	n Solids	INTERNAL USE ONLY	Waste (Not) Injectable		FNd UU	MAJO	/ United
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Gas Plant Waste  WASTE GENERAT	TION PROCESS:	DRILLING	COMPLETI	ON	PRODUCTION	GATHERIN	IG LINES
		NON-EX	KEMPT E&P Waste/Service	Identification and Am	nount		
	All non-exempt	E&P waste must be analysed	and be below the threshol	d limits for toxicity (TO	CLP), Ignitability, Corrosivity from Non-Exempt Waste Li	and Reactivity.	
Ion-Exempt Other	-			_ pieuse seiece)			E - EACH
QUANTITY			BARRELS		JAK (Y-YAI		re reviewi
hereby certify tha	t the above listed material(s), proper condition for transpo	rtation according to applicable	e regulation.				
_	Oil field wa	stes generated from oil and g	as exploration and produc	tion operations and ar	re not mixed with non-exem	pt waste (R360 Accepts	certifications on a per
RCRA EXEN		nly) ste which is non-hazardous th		aimum standards for	waste hazardous by charac	teristics established in R	CRA regulations, 40 CFR
RCRA NON	EXEMPT: Oil field wa	ste which is non-hazardous th .24, or listed hazardous wast	at does not exceed the mi	t 261, subpart D, as a	mended. The following doc	umentation demonstrati	ing the waste as non-
	hazardous	s attached. (Check the appro	priate items as provided)				
	MSDS Infor		RA Hazardous Waste Analy	sis	Other (Provide Descripti	on Below)	
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Phone No.	and the first the	Mark Market		Truck No.	-476		
I hereby certify th	at the above named material	(s) was/were picked up at the	Generator's site listed abo	ove and delivered with	hout incident to the disposa	I facility listed below.	
9-1	91	T22 091		14/2	LIVERY DATE	DRIVER'S SIG	INATURE
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	ORM READINGS TAKEN? (Circ		NO		ading > 50 micro roentgens	? (circle one) YES	S NO
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Vater Based Cuttin Produced Formatio		Gathering Line	er (Non-Injectable) Water/Waste (Non-Inje	ectable)		E Mi		2 American matters
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	All non-exempt	E&P waste must be an	nalysed and be below th	ne threshold limit	*please select fro	om Non-Exempt V	Vaste List on back	The Items of the state of the state of
Non-Exempt Other						110	Y - YARDS	E - EACH
QUANTITY			B - BARRELS	200	. ii b.l.a	state law. That o		operly described, classified and
hereby certify that	t the above listed material(s) proper condition for transpo	, is (are) not a hazardo	ous waste as defined by	40 CFR Part 261	or any applicable	state law. That e	acti waste nes seemp	operly described, classified and
backaged, and is in	proper condition for transpo	stes generated from o	oil and gas exploration a	and production o	perations and are	e not mixed with n	on-exempt waste (R36	60 Accepts certifications on a per
RCRA EXEM	APT:							
RCRA NON-	-EXEMPT: Oil field wa	ste which is non-haza	rdous that does not exc	ceed the minimur	n standards for v	waste hazardous b	y characteristics established documentation de	lished in RCRA regulations, 40 CFR emonstrating the waste as non-
	261.21-261	L.24, or listed hazardor	us waste as defined by e appropriate items as	40 CFR, part 261,	subpart D, as all	nended. The follow		emonstrating the waste as non-
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E&P Contaminated Soil		Truck Washout (exem	pt waste)		MUTDINAL PROPERTY	THE REAL PROPERTY OF THE PARTY	
Gas Plant Waste WASTE GENERATION PROCESS		DRILLING	COMPLETION	ON _	PRODUCTION	GATHERING LIN	ES
	THE PARTY OF	NON-EX	XEMPT E&P Waste/Service	Identification and An	nount	and Reactivity.	
-All Non-Exempt Other	non-exempt E&P v	vaste must be analysed	and be below the threshol	*please select	CLP), Ignitability, Corrosivity a from Non-Exempt Waste List	on back	
Non-Exempt Other			- A D. G. C.		/ Y-YARE		E - EACH
QUANTITY  I hereby certify that the above liste			BARRELS	+ 261 or any applicat	/ - / -		d, classified and
I hereby certify that the above liste packaged, and is in proper conditio	- for transportation	n according to applicab	le regulation.				
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CRA EXEMPT.	load basis only)		not does not exceed the mi	nimum standards for	r waste hazardous by characte	eristics established in RCRA re	egulations, 40 CFR
RCRA NON-EXEMPT:	Oil field waste wi	nich is non-nazardous u or listed hazardous wast	e as defined by 40 CFR, par	t 261, subpart D, as a	amended. The following docum	nentation demonstrating the	waste as non-
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Received by	OCD: 10/28/2021 2	:47:06 PM EXAS NO	ON-HAZARDOUS OILFIELD	200 miles and 200 de 200	NIFEST	Company N	Aan Page 136 of 148
RECONMENTAL SOLUTIONS			(PLEASE PRINT	*REQUI	RED INFORMATION*	Phone No	and the second
			GENERATO	R	NO.	80	002571
Operator No.	Com	en Oh.Z		ermit/RRC No.	To a serie de la compa	~ ~ ~	The book of Figure
		as become		ease/Well Jame & No.	copo nato	74 F	1 0004
Operators Name	-			County	The many tradition a	Managar Halfall	- Juliunalet/
Address	-			API No.	200	115-42	445
City, State, Zip	UR HUT			Rig Name & No.	1 59 5 1/495		The second second
Phone No.				AFE/PO No.	105731		MI WILLIAM
	EXEMPT E&P	Waste/Service Identific	cation and Amount (place vo	lume next to w	raste type in barrels or c	ubic yards)	
Oil Based Muds		NON-INJECTABLE WA	ATERS		OTHER EXEMPT WASTES	type and generation p	rocess of the waste)
Oil Based Cuttings Water Based Muds			w back (Non-Injectable)		The second second		demonstrate -
Water Based Cuttir	ngs	Produced Water (No			1- 1	1)	
Produced Formatic Tank Bottoms	on Solids	INTERNAL USE ONLY	r/Waste (Non-Injectable)		The state of the s		SOW - FIGHT
E&P Contaminated	I Soil	Truck Washout (exer	mpt waste)		endralation of the	A SHARW - STORY	angewood natives
Gas Plant Waste WASTE GENERA	TION PROCESS:	DRILLING	COMPLETION	x (3)	PRODUCTION	GATHE	RING LINES
WASTE GENERAL		NON-	EXEMPT E&P Waste/Service Iden	tification and Am	ount		
	All non-exempt I	&P waste must be analyse	d and be below the threshold lim	its for toxicity (TO	CLP), Ignitability, Corrosivity	and Reactivity.	
Non-Exempt Other				*please select J	rom Non-Exempt Waste Lis	e on back	
QUANTITY			- BARRELS		/6 Y-YAR		E - EACH
I hereby certify tha	at the above listed material(s),	is (are) not a hazardous wa	ste as defined by 40 CFR Part 26.	or any applicabl	e state law. That each wast	e has been properly	y described, classified and
packaged, and is in	proper condition for transpor	tation according to applica	ble regulation. gas exploration and production	porations and ar	e not mixed with non-exem	pt waste (R360 Acc	epts certifications on a per
RCRA EXEM	MPT: Oil field was		gas exploration and production	perations and a		gr Armanism — i	
RCRA NON	Oil field was	to which is non-hazardous	that does not exceed the minimu	m standards for	waste hazardous by charact	eristics established	in RCRA regulations, 40 CFR
L MCKA NOI	261.21-261.	.24, or listed hazardous was	ste as defined by 40 CFR, part 263	, subpart D, as ar	mended. The following docu	mentation demons	trating the waste as non-
( )		s attached. (Check the appr			Other (Provide Description	on Below)	
	MSDS Infor	mation RC	CRA Hazardous Waste Analysis	_	_ Other (Flovide Bescription	Sit Below,	
7 K	Committee Transport	1-	27	v - 1	100000	A PARTY OF THE	K
Vanuari A	AUTHORIZED AGENTS SIGNATURE	CU:	- 1- V2123	DATE	· · <del>- /6</del> 4	SIGNATURE	h Grand D. Francis
(FRUIT)	and and North	7	TRANSPOR	TER	and the same of		
Tourse			TIMATON ON				
Transporter's Name	1 Melewate	2 Parties	5	Driver's Name	777154	+ Vir	
Address		1 00 1		Print Name	3 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	1 55	The state of the s
				Phone No.			
Phone No.				Truck No.		6 alla li e d'halan	Later and the second
I hereby certify th	at the above named material(	s) was/were picked up at th	ne Generator's site listed above a	nd delivered with	out incident to the disposal	facility listed below	(1000001/25)
SHIPME	NT DATE	DRIVER'S SIGNATURE		DEL	IVERY DATE	DRIVER	'S SIGNATURE
	TRUCK TIME STA	MP	DISPOSAL FA	CILITY	R	ECEIVING A	REA
IN:	OUT:				Name/No	0	D-/-
Site Name/				Phone No.	man train		ann a nondila k
Permit No.	Red Bluff Facility/ STF-06	5		Phone No.	432-448-4239		The State of the S
Address	5053 US Highway 285, Orla,	TX 79770	much for the	48	E 50 -l-s resitance	(circle one)	YES NO
N	ORM READINGS TAKEN? (Circl Chloride	e One) YES	NO /	Conductivity	ading > 50 micro roentgens?	(circle one)	
Chemical Analysis				(mmhos/cm)			pH
		Inch	TANK BOTT	OMS	The second secon		
1st Gauge	Feet	Inch	Surface when the state of the		BS&W/BBLS Received	BS	&W (%)
2nd Gauge			and a superior of the superior		Free Water Total Received		description .
Received			The second secon				
I hereby certif	fy that the above load materia	has been (circle one):	ACCEPTED DENIED	If denied, w	hy?	A Description	midnest former building
-	2/9/ (1927)	9-8	221	6161-16		dayler manage	und besit en en et et en en et
	NAME (PRINT)	DAT	TE.	TITLE		SIGNATURE	

Received by OCD: 10/28/2021	1 2:47:06 PM TEXAS NON-HA		IIFEST Co RED INFORMATION* Name	mpany MaPage 1317 of 148
SOLUTIONS		The second secon	Phone	No.
Convetor No.		GENERATOR  Permit/RRC No.	No. 80	2570
Operator No.	0 0/1/2	Lease/Well		- Anna Carantago
Operators Name	- FMILLISTS	_ Name & No.	Cano waho	4 101 0054
Address	* 11	County	and a city of the same of the same of	A STATE OF THE STA
		API No.	2001	42447
City, State, Zip		_ Rig Name & No.	1230 1100 1100 1100	1 to 1 to summer 1
Phone No.	and the second second second	AFE/PO No.		Towns with the
EVENADT	E&B Wasta/Sonviso Identification as	nd Amount (place volume next to wa	aste type in harrels or cubic yard	1 - 15
Oil Based Muds	NON-INJECTABLE WATERS	id Alfiodrit (place volume flext to wa	OTHER EXEMPT WASTES (type and ge	
Oil Based Cuttings	Washout Water (Non-Injectab	le)		
Water Based Muds	Completion Fluid/Flow back (N		refer to the trend forth money and	
Water Based Cuttings	Produced Water (Non-Injectal			
Produced Formation Solids Tank Bottoms	Gathering Line Water/Waste ( INTERNAL USE ONLY	Non-injectable)	THE HISTORY AP	
E&P Contaminated Soil	Truck Washout (exempt waste	In the second second second second	Fac Dovid	
Gas Plant Waste				manufacture of the second
WASTE GENERATION PROCESS:	DRILLING	COMPLETION	PRODUCTION	GATHERING LINES
Allega		&P Waste/Service Identification and Amo selow the threshold limits for toxicity (TCL		with
	mpc E&P wastermust be analysed and be i			Vity
Non-Exempt Other			m Non-Exempt Waste List on back	
QUANTITY	B - BARRELS		Y - YARDS	E - EACH
I hereby certify that the above listed materia	al(s), is (are) not a hazardous waste as def	ned by 40 CFR Part 261 or any applicable	state law. That each waste has been	properly described, classified and
packaged, and is in proper condition for tran				250 4
RCRA EXEMPT: load bas	sis only)	ration and production operations and are		
		not exceed the minimum standards for wa ned by 40 CFR, part 261, subpart D, as ame		
	ous is attached. (Check the appropriate ite			
MSDS II	nformation RCRA Hazard	dous Waste Analysis	Other (Provide Description Below)	A
1 16 4				
TAUE 1		9.8.21	(2)	
(PRINT) AUTHORIZED AGENTS SIGNATURE	ar will have a second	DATE	SIGN	ATURE
		TRANSPORTER	The state of the s	
Transporter's	The best of the second of the	NET BEEN BUSINESS OF THE	* A A	
Name	fella Radina	Driver's Name	JA FAI	00/
Address -	and for the	Print Name	57-	and the same
1/0/800	NO PT	Phone No.		The second secon
Phone No.		Truck No.	1176	
I hereby certify that the above named mater	rial(s) was huasa picked up at the Congrat	ar's site listed above and delivered without	ut incident to the disposal facility liste	d below
Thereby certify that the above hamed mater	rial(s) was were picked up at the deneral	of a site listed above and delivered without		Tallett and Salve
SHIPMENT DATE	DRIVER'S SIGNATURE	DELIVE	RY DATE	DRIVER'S SIGNATURE
TRUCK TIME ST	TAMP DI	SPOSAL FACILITY	RECEIVI	NG AREA
7-7-		SPOSAL FACILITY	Name/No.	O AMER
IN: 11 57 / OUT			Ivallie/Ivo.	
Permit No. Red Bluff Facility/ STF	-065	Phone No.	432-448-4239	To the state of th
Address 5053 US Highway 285, Or	la, TX 79770			
NORM READINGS TAKEN? (C	Circle One) YES NO	If YES, was reading	ng > 50 micro roentgens? (circle one)	YES NO
Chloride Chemical Analysis (Mg/l)		Conductivity (mmhos/cm)		pH
Chemical Analysis (Nig/I)	and the second second	ANK BOTTOMS		260 AND DO DE LOCK HE WILL
Feet	Inches	ANKBOTTONIS	Ann other of	
1st Gauge	menes .	BS8	&W/BBLS Received	BS&W (%)
2nd Gauge	To a disputation and	Section of the sectio	Free Water	managing day.
Received			Total Received	
I hereby certify that the above load mate	erial has been (circle one): ACCEPT	DENIED If denied, why?	portion of Artis	parties shariful method to the little
Thereby certify that the above load mate	Accert	DETRIED IT GETTIEG, WITY:	7/10	the reco- Low Allendaries
10191 (19/19	18408	- 1/6/6-10	·	MATINE
NAME (PRINT)	DATE	TITLE	SIGN	IATURE

NMENTAL DILUTIONS				the part of the second	Pho	ne No.
		GEN	ERATOR		NO.	8002569
n-i-ca	3/1/2	1 -	Permit/RRC N	No.	AN INTERNAL PROPERTY.	0000000
erator No.	- Failer	- magestonels	Lease/Well		MINI 4 11 5 11 2	and the first
erators Name			Name & No.	Capo	unbo :	of trad our
dress			County	the grade the state	North Chief C	Pullworks Bushung
			API No.		ON DE	1177/17
- College Coll				No.	DEVINENCE	III TVAMVE BOALLAND
y, State, Zip		<del></del>	Rig Name & I	NO.		Collect State Sea of Marian 2
one No.		the state of the	AFE/PO No.	a al esta <del>el musi</del> c		to the second of
EXEMPT E&P	Waste/Service Identi	fication and Amou	nt (place volume next	to waste type in ba	irrels or cubic ya	ards)
Based Muds	NON-INJECTABLE W			OTHER EXEMP	T WASTES (type an	d generation process of the waste)
I Based Cuttings	Washout Water (No					
ater Based Muds		low back (Non-Inject	able)	- o militario I in		
ater Based Cuttings	Produced Water (N		ESCIA	- 1		
oduced Formation Solids	Charles College Colleg	ter/Waste (Non-Injec	table)	The same of the	A. HUM	Arrest of the Ar
ank Bottoms &P Contaminated Soil	Truck Washout (exe		and Management	tem unitable		W - namelernal radius
as Plant Waste	- Truck Washout (cx	empt waster	a Bejond	- Hall Hill Strawn		
ASTE GENERATION PROCESS:	DRILLING	СО	MPLETION	PRODUCTIO	V	GATHERING LINES
	NON	LEXEMPT E&P Waste	/Service Identification and	d Amount		MEDICAL PROPERTY OF THE PROPERTY OF
All non-exempt E	&P waste must be analys	ed and be below the	threshold limits for toxicit	y (TCLP), Ignitability,	Corrosivity and Re	activity.
on-Exempt Other		THE PARTY OF THE P	*please sel	ect from Non-Exemp	t Waste List on b	ack
	F	3 - BARRELS		1)	Y - YARDS	E - EACH
JANTITY			2 CCD D - + 2C1	icable state law. Tha	each waste has h	neen properly described, classified
ereby certify that the above listed material(s), is ckaged, and is in proper condition for transport	s (are) not a hazardous w	vaste as defined by 40 able regulation.	CFR Part 261 or any appi	icable state law. The	each waste has b	n in the last of t
Oil fold wast	es generated from oil an	d gas exploration and	production operations ar	nd are not mixed with	non-exempt wast	te (R360 Accepts certifications on a
RCRA EXEMPT: load basis on		a gas exploration and				
load basis on	131			- 329 W	l l	THE DODA - Live A
	t. t. t basseday	s that does not exces	d the minimum standards	for waste hazardous	by characteristics	established in KCKA regulations, 4
RCRA NON-EXEMPT: Oil field wast	e which is non-hazardou	s that does not excee	ed the minimum standards	for waste hazardous as amended. The follo	by characteristics wing documentar	established in RCRA regulations, 4 tion demonstrating the waste as n
261.21-261.2	24, or listed hazardous wa	aste as defined by 40	CFR, part 261, subpart D,	for waste hazardous as amended. The follo	owing documenta	tion demonstrating the waste as n
261.21-261.2 hazardous is	24, or listed hazardous wa attached. (Check the app	aste as defined by 40 propriate items as pro	CFR, part 261, subpart D, ovided)	as amended. The follo	owing documenta	tion demonstrating the waste as h
261.21-261.2	24, or listed hazardous wa attached. (Check the app	aste as defined by 40	CFR, part 261, subpart D, ovided)	as amended. The follo	by characteristics owing documentar Description Belo	tion demonstrating the waste as h
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261.21-261.2 hazardous is  MSDS Inform  (PRINT) AUTHORIZED AGENTS SIGNATURE  ransporter's ame ddress hone No. hereby certify that the above named material(s)  SHIPMENT DATE  TRUCK TIME STAI  N: OUT: ite Name/ ermit No.  Red Bluff Facility/ STF-065	24, or listed hazardous was attached. (Check the approach of t	TRAI  TRAI  TRAI  TRAI	CFR, part 261, subpart D, pvided) te Analysis  DATE  NSPORTER  Driver's Nate Phone No. Truck No. isted above and delivered  SAL FACILITY  Phone No.  If YES, wa Conductivity	other (Provide	ne disposal facility  RECE	SIGNATURE  SIGNATURE  DRIVER'S SIGNATURE  IVING AREA  One) YES NO
### TRUCK TIME STAI    Control   Control   Control   Control	24, or listed hazardous was attached. (Check the approach of t	TRAI  TRAI  TRAI  TRAI	CFR, part 261, subpart D, pvided)  te Analysis  DATE  NSPORTER  Driver's Nar Print Name Phone No. Truck No. isted above and delivered  SAL FACILITY  Phone No.  If YES, wa Conductivit (mmhos/	other (Provide	ne disposal facility  RECE	signature  Plisted below.  DRIVER'S SIGNATURE
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261.21-261.2 hazardous is  MSDS Inform  (PRINT) AUTHORIZED AGENTS SIGNATURE  ransporter's ame ddress  hone No. hereby certify that the above named material(s)  SHIPMENT DATE  TRUCK TIME STAI  N: OUT: ite Name/ rermit No. ddress  So53 US Highway 285, Orla, T. NORM READINGS TAKEN? (Circle Chloride Chemical Analysis (Mg/I)  Feet	attached. (Check the approach of the standard	TRAI  TRAI  TRAI  TRAI  TRAI  TRAI	CFR, part 261, subpart D, pvided)  te Analysis  DATE  NSPORTER  Driver's Nar Print Name Phone No. Truck No. isted above and delivered  SAL FACILITY  Phone No.  If YES, wa Conductivit (mmhos/	without incident to the description of the descript	ne disposal facility  RECE  me/No.	signature  listed below.  DRIVER'S SIGNATURE  IVING AREA  one) YES NC
### TRUCK TIME STAIN    Control	) was/were picked up at to DRIVER'S SIGNATURE  MIP  5  X 79770  One) YES	TRAI  TRAI  TRAI  TRAI  TRAI  TRAI	CFR, part 261, subpart D, pvided)  te Analysis  DATE  NSPORTER  Driver's Nar Print Name Phone No. Truck No. isted above and delivered  SAL FACILITY  Phone No.  If YES, wa Conductivit (mmhos/	Mithout incident to the description of the provided by the pro	ne disposal facility  RECE  me/No.	signature  listed below.  DRIVER'S SIGNATURE  IVING AREA  one) YES NC
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	EXEMPT E&P W	aste/Service Identification	on and Amount (place	ce volume next to v	waste type in barrels or c	ubic yards)	
Oil Based Muds	Figure	NON-INJECTABLE WATER	S		OTHER EXEMPT WASTES	type and generation proce	ss of the waste)
Oil Based Cuttings		Washout Water (Non-Inju Completion Fluid/Flow ba	ectable) ack (Non-Injectable)				Charles of walls
Water Based Muds Water Based Cuttings		Produced Water (Non-In)	jectable)		1	1	
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Tank Bottoms E&P Contaminated Soil		Truck Washout (exempt	waste)		HI DOWN THE THE PARTY		mon ketter
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THE RESIDENCE OF THE PERSON OF	THE RESERVE OF THE PARTY OF THE	NON-EXEN	MPT E&P Waste/Service	e Identification and An	nount CLP), Ignitability, Corrosivity	and Reactivity.	
	All non-exempt E&P	waste must be analysed an	d de below the timesho	*please select	from Non-Exempt Waste Lis	st on back	
Non-Exempt Other							E - EACH
QUANTITY		B - BAI			14 Y-YAF		
I hereby certify that the	above listed material(s), is (a	are) not a hazardous waste	as defined by 40 CFR Pa	art 261 or any applicab	ole state law. That each wast	e has been properly de	scribed, classified and
packaged, and is in prop	distant for transportation	on according to applicable I	regulation.		are not mixed with non-exem		
RCRA EXEMPT:	lead basis only)						
- Department Ever		AND A TOTAL OF THE SECOND	does not exceed the m	ninimum standards for	waste hazardous by charact	eristics established in R	CRA regulations, 40 CFR
RCRA NON-EXE	261.21-261.24,	or listed hazardous waste a	is defined by 40 CFR, pa	rt 261, subpart D, as a	amended. The following docu	imentation demonstrat	ing the waste as non-
	hazardous is att	tached. (Check the appropri	iate items as provided)		Other (Provide Descripti		
	MSDS Informat	ion RCRA	Hazardous Waste Anal	ysis L	Other (Frovide Sessings)		
1000	. 7			1 50	11116-1	1	+
CAN	W John			DATE	- 11 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	SIGNATURE	All I have the
(PRINT) AUTHO	PRIZED AGENTS SIGNATURE		TRANSP	OPTED			III III words in 1 , 1 &
			INAIVOF				
Transporter's	me et all	a charles	2	Driver's Name	1000 V	(5,14) /	
Name	All Charles	72271110		Print Name			
Address				Phone No.			
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I hereby certify that th	e above named material(s) w	as/were picked up at the G	enerator's site listed ab	oove and delivered wit	thout incident to the disposa	I facility listed below.	
91 52 119/	and a supplied that the	1/	- Amily man	The state of the s	ELIVERY DATE	DRIVER'S SIG	GNATURE
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IN: 12'11	OUT:	The second second second			Name/N	0.	1
Site Name/	LEL ME IN LOTE OCE			Phone No.	432-448-4239	The second of	
	d Bluff Facility/ STF-065						american di
-	3 US Highway 285, Orla, TX		NO	If YES, was re	eading > 50 micro roentgens	? (circle one) YE	s NO
	I READINGS TAKEN? (Circle O oride	ne) YES	NO	Conductivity			рН
Chemical Analysis (N				(mmhos/cm	1)	Tally and Julia	an invitating province
7			TANK BO	OTTOMS	.41.4		an garalamifast
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TV A DAYS OF	at the above load contact. In	es heen (circle one)	ACCEPTED DEN	IED If denied,	why?	er mayadaga a mu	Juneary Shekey
I hereby certify th	at the above load material ha	is been (circle one).	21	7 1. 1. 1.11.			A No reger and W
1069	C 119 119	DATE		TITLE		SIGNATURE	
	NAME (PRINT)	DATE		- CHEST OF THE PROPERTY OF THE			

SENERATOR  NO. 8002567  MATERIA RANGE STATES  COUNTY  APT NO.  SERVING RANGE STATES  COUNTY  APT NO.  SERVING RANGE STATES  COUNTY  SERVING RANGE STATES  COUNTY  SERVING RANGE STATES  COUNTY  SERVING RANGE STATES  COUNTY SERVING RANGE STA	MASINA DE PROPERTAL DILUTIONS		(PLEASE PRINT) *REQUI	RED INFORMATION* Name _ Phone	
PRODUCTION  DESCRIPTION  DESCRI			GENERATOR	NO.	8002567
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Solid P. Display of the Company of the section of t		The state of the s	County	The feature Indiators estado, e l	WHEN A STATE OF THE STATE OF TH
AFE/FOR No.  DEMPT E&P Waster Sometic identification and Amount (place wouldner next to waste type in barrels or cubic yards)  Stored Mustic  Stored Mustic  Washed Mister			API No.	30-015-	117482
AND INCOMENSATION PROCESS:  DIRECTOR Wasted Service before ficultion and Amount (place volume next to waste type in barrels or cubic yards)  More of fulling  Lever Service of Market (Provide Amount (place volume next to waste type in barrels or cubic yards)  Lever Service of Market (Provide Amount (place volume next to waste type in barrels or cubic yards)  Lever Service of Market (Provide Amount (Provide Description Below)  MADE IN AMOUNT (Provide Description Below)  MADE IN AMOUNT (Provide Description Below)  TRANSPORTER  Divier's Name Prior No.  Track No. Amount (Provide Description Below)  MADE IN AMOUNT (Provide Description Below)  Track No. Amount (Provide Description Below)  Track No. Amount (Provide Description Below)  Track No. Amount (Provide Description Below)  MADE IN AMOUNT (Provide Description Below)  Track No. Amount (Provide Description P	State 7in		Rig Name & No.		TO COMPOSE THE PARTY OF THE PAR
DICENTER OF Water Development of the season			AFE/PO No.		
Based Mords Based Cuttings The Stand Michael The		&P Waste/Service Identification and	d Amount (place volume next to w	aste type in barrels or cubic yard:	s) · this is the same of the same
READ CLATINGS  TO COMPRISE TABLE (No. Injectable)  TO COMPRISE TABLE (No. Injectable)  TO COMPRISE TABLE (No. Injectable)  STE GENERATION PROCESS  DRILLING  COMPRISE TABLE (No. Injectable)  TO COMPRISE TABLE (N				OTHER EXEMPT WASTES (type and get	neration process of the waste)
TRANSPORTER    Continued to Continue   Conti	Based Cuttings				The second second second second
discased Formation Solids  Bit Stotions    Contentinated Solid   Track Washood (exempt visite)				BOLLERAN THE LAND MADE AND	
Contaminated Soil   Truck Washout (exempt waste)   Diplom Wiste   Diplom Wister   D		Gathering Line Water/Waste (N		FILL DEFINA	
Please Waste STE GENERATION PROCESS:    DRILLING   DAMPLETION   PRODUCTION   GATHERING LINES   NON-EXEMPT E&P Waste/Service Identification and Amount   All non-exempt E&P waste must be analyzed and be below the threshold lines for toxing (TLEI) ambitualisty. Generates and Reactivity.   Proceeding the process of the process soled from Non-Exempt Waste list on book				two Double	
COMPLETION   PRODUCTION   GATHERNOLUNES		Truck Washout (exempt waste)	SECONDARY N. J. H.M.S.		
NON-EXEMPT EAP Waste General Sections on a part of EAP waste must be avolyout and be below the threshold limits for toxicity (TLUE), postability, formswirty and Reschuty.  **Privacy Certify that the above listed material(s), is (are) not a havardous waste as defined by 40 CFR Part 2G1 or any applicable state law. That each waste has been properly described, dissified a language, and is in proceed from for transport action according to papilicable regulation.    RCRA EXEMPT:   load shasts emerated from oil and gas exploration and production operations and are not missed with non-exempt waste (R360 Accepts Certifications on a judged, and is in postability). The control of the state which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, of a judged of the property described by 40 CFR, part 2G1, subpart 0, as amended. The following documentation demonstrating the waste as not hazardous is attached. (Check the appropriate ferms as provided)   Other (Provide Description Below)		DRILLING [	COMPLETION	PRODUCTION	GATHERING LINES
Sement Other   Provide Select from Non-Exempt Worse List on book		NON-EXEMPT E8	P Waste/Service Identification and Amo	ount	No. (1) and a second state of
WITTY  B - BARRELS  Y - YARDS  E - EACH  WITTY  B - BARRELS  Y - YARDS  E - EACH  WITTY  WITTY  B - BARRELS  Y - YARDS  E - EACH  WITTY  WITTY  B - BARRELS  Y - YARDS  E - EACH  WITTY  WITTY  WITTY  B - BARRELS  Y - YARDS  E - EACH  Y - YARDS  E - EACH  WITTY  WITTY  WITTY  WITTY  B - BARRELS  Y - YARDS  E - EACH  Y - YARDS  E - EACH  WITTY  WITTY  WITTY  WITTY  WITTY  B - BARRELS  Y - YARDS  E - EACH  Y		t E&P waste must be analysed and be be	elow the threshold limits for toxicity (TC	LP), Ignitability, Corrosivity and Reaction  Non-Exempt Waste List on back	Vity.
PREMIATION (Provided material(s), is (are) not a hazardous waste as defined by 40 CFR Part 251 or any applicable state law. That each waste has been properly described, classified at all sign proper condition for transportation according to applicable regulation.    RCRA EXEMIT:	-Exempt Other		pieuse scieccy.	7	E - FACH
RCRA NON-EXEMPT:   Oil field waste generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a)	ANTITY			1 X X	
RCRA EXEMPT: load basis only)  RCRA NON-EXEMPT: load basis only	reby certify that the above listed material(s	s), is (are) not a hazardous waste as defin	ned by 40 CFR Part 261 or any applicable	state law. That each waste has been	i properly described, classified a
RCRA REMONE;   load basis only)	kaged, and is in proper condition for transp	rastes generated from oil and gas explora	ation and production operations and are	e not mixed with non-exempt waste (F	R360 Accepts certifications on a
26.1.21-26.1.24, or listed hazardous waste as defined by 40 CR, part 251, subpart 0, as amended. The following documentation technolosusing was wasted. The following documentation technolosusing wasted analysis	RCRA EXEMPT: load basis	only)			
MSDS Information   RCRA Hazardous Waste Analysis   Other (Provide Description Below)	RCRA NON-EXEMPT: Oil field w	vaste which is non-hazardous that does r	not exceed the minimum standards for v	vaste hazardous by characteristics est	ablished in RCRA regulations, 40
MSDS Information   RCRA Hazardous Waste Analysis   Other (Provide Description Below)	261.21-26	51.24, or listed hazardous waste as defin	ed by 40 CFR, part 261, subpart D, as an	nended. The following documentation	demonstrating the waste as not
TRANSPORTER  Driver's Name  Moderes  TRANSPORTER  Driver's Name  Print Name  Print Name  Phone No.  Truck Time STAMP  OUT:  TRUCK TIME STAMP  OUT:  TRUCK Time STAMP  No.  DISPOSAL FACILITY  RECEIVING AREA  Name/No.  No.  11 YES, was reading > 50 micro roentgens? (circle one)  YES NO  Choride  Conductivity  (mmbos/cm)  Phone No.  132-448-4239  TANK BOTTOMS  St Gauge  TANK BOTTOMS  TANK BOTTOMS  Inches  Truck No.  Tank Bottoms  Truck No.  Tank Bottoms  Tank Bottoms  Truck No.  Tank Bottoms  Tank Bottoms  Truck No.  Tank Bottoms  Truck No.  Tank Bottoms  Tank Bottoms  Truck No.  Tank Bottoms  Truck No.  Tank Bottoms  Truck No.  Tank Bottoms  Truck No.  Tank Bottoms  Total Received  T				Other (Provide Description Below)	
TRANSPORTER  Driver's Name  Print Name Phone No. Truck No.  Sereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.  Sereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.  TRUCK TIME STAMP OUT:  DISPOSAL FACILITY RECEIVING AREA Name/No.  432-448-4239  NORM READINGS TAKEN? (Circle One) VES NO Conductivity (mmhos/cm) Phone No.  TANK BOTTOMS  Feet Inches  BS&W/BBLS Received BS&W (%)  Free Water Total Received I hereby certify that the above load material has been (circle one):  ACCEPTED DENIED If denied, why?  I hereby certify that the above load material has been (circle one):  ACCEPTED DENIED  Figure Water Total Received SOMATURE  VOICE  SOMATURE  VOICE  TOTAL Received SOMATURE  VOICE SOMATURE  V	MSDS Info	ormation RCKA Hazard	ious waste Analysis	Guici (Fronce Passipass)	
TRANSPORTER  Driver's Name  Print Name  Print Name  Phone No.  Truck No.  DELIVERY DATE  DRIVER'S SIGNATURE  DRIVER'S SIGNATURE  TRUCK TIME STAMP  OUT:  DISPOSAL FACILITY  RECEIVING AREA  Name/No.  1 Phone No.  1432-448-4239  DISPOSAL FACILITY  RECEIVING AREA  Name/No.  1 Phone No.  1 Phone	1 1 7			The state of the	STORES /
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Print Name Phone No.  Truck TIME STAMP OUT:  TRUCK TIME STAMP  OUT:  TRUCK TIME STAMP  No.  TANK BOTTOMS  TOTAL Received  TOT	*		IRANSPORTER	- 6	
Print Name Phone No. Truck No.  Truck No.  Truck No.  BENVER'S SIGNATURE  DELIVERY DATE  DELVERY SIGNATURE  DELVERY DATE  DELVERY DATE  DELVERY SIGNATURE  DELVERY SIGNATURE  DELVERY DATE  DELVERY SIGNATURE  DELVERY DATE  DELVERY SIGNATURE  DELVERY DATE  RECEIVING AREA Name/No.  Phone No.  432-448-4239  SOS3 US Highway 285, Orla, TX 79770  NORM READINGS TAKEN? (Circle One)  Chloride  Chloride  Chloride  TANK BOTTOMS  Feet  Inches  BS&W/BBLS Received  Free Water  Total Received  I denied, why?  NAME (PRINT)  DATE  TILE  SIGNATURE  VOSC		mosts Durland	Driver's Name	ER Flore	
Phone No. Truck No.  ereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.  SHIPMENT DATE  DRIVER'S SIGNATURE  TRUCK TIME STAMP OUT:  RECEIVING AREA Name/No.  Phone No.  432-448-4239  Phone No.  432-448-4239  Phone No.  432-448-4239  If YES, was reading > 50 micro roentgens? (circle one)  Conductivity Conductivity (mmhos/cm) DH  TANK BOTTOMS  Red Gauge Feet  Inches  BSS.W/BBLS Received Free Water Total Received  I hereby certify that the above load material has been (circle one):  NAME (FRINT)  DATE  TIME  SCANDATOR  VOSC		ALL FOUND	Print Name		
ereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.  BELIVERY DATE  DRIVER'S SIGNATURE  TRUCK TIME STAMP OUT:  TRUCK TIME STAMP  Name/No.  432-448-4239  THE SSS 348-4239  TRUCK TIME STAMP  Name/No.  TRUCK TIME STAMP OUT:  TRUCK TIME STAMP  Name/No.  TRUC		/	Phone No.		
Phone No.  Red Bluff Facility/ STF-065  NORM READINGS TAKEN? (Circle One)  Phone No.  HYES, was reading > 50 micro roentgens? (circle one)  TANK BOTTOMS  TANK BOTTOMS  To BS&W/BBLS Received  Total Received  I hereby certify that the above load material has been (circle one):  ACCEPTED  DENIED Signature  DELIVERY DATE  D			Truck No.	476	
SHIPMENT DATE DRIVER'S SIGNATURE  TRUCK TIME STAMP OUT:  e Name/ No.  Red Bluff Facility/ STF-065 Phone No.  432-448-4239  Phone No.  432-448-4239  If YES, was reading > 50 micro roentgens? (circle one) Chloride Chloride Chloride Chloride TANK BOTTOMS  Feet Inches  BS&W/BBLS Received Free Water Total Received  I hereby certify that the above load material has been (circle one):  ACCEPTED DENIED If denied, why?  ITILE  SIGNATURE  VASSE  VASSE  SIGNATURE  VASSE  SIGNATURE  VASSE  SIGNATURE  VASSE  VASSE  SIGNATURE  VASSE  VASSE  SIGNATURE  VASSE  VASSE  SIGNATURE  VASSE  VASSE  VASSE  VASSE  SIGNATURE  VASSE  VASSE  VASSE  SIGNATURE  VASSE  VASSE  VASSE  SIGNATURE  VASSE  VASSE  VASSE  SIGNATURE  VASSE  VASSE  VASSE  VASSE  VASSE  SIGNATURE  VASSE  VASSE  VASSE  VASSE  SIGNATURE  VASSE  VASSE  VASSE  VASSE  SIGNATURE  VASSE  VASSE  VASSE  VASSE  VASSE  VASSE  VASSE  SIGNATURE  VASSE  VASSE  VASSE  VASSE  VASSE  SIGNATURE  VASSE  SIGNATURE  VASSE  VASSE  VASSE  VASSE  VASSE  VASSE  SIGNATURE  VASSE  VAS	one No.	al(s) was /were nicked up at the Generate	or's site listed above and delivered with	out incident to the disposal facility list	ed below.
TRUCK TIME STAMP  OUT:  e Name/ mit No. ldress  So53 US Highway 285, Orla, TX 79770  NORM READINGS TAKEN? (Circle One)  thoride  thoride  TANK BOTTOMS  Feet  Inches  Feet  Inches  BS&W/BBLS Received  Free Water  Total Received  I hereby certify that the above load material has been (circle one):  ACCEPTED  DENIED  If 4 denied, why?  MAME (PRINT)  DATE  TILE  SIGNATURE  Phone No.  432-448-4239  Phone No.  432-448-4239  If YES, was reading > 50 micro roentgens? (circle one)  YES  NO  Conductivity  (mmhos/cm)  pH  TANK BOTTOMS  Inches  BS&W/BBLS Received  BS&W/BBLS Received  Total Received  Total Received  NAME (PRINT)  DATE  TILE  SIGNATURE	ereby certify that the above named materia	al(s) was were picked up at the sension	67. 6	14 1 01/1 St	
Name/No.  Red Bluff Facility/ STF-065 Phone No.  A32-448-4239  Phone No.  A32-448-4239  NORM READINGS TAKEN? (Circle One) NORM READINGS TAKEN?	SHIPMENT DATE	DRIVER'S SIGNATURE	DELI		
Red Bluff Facility / STF-065  Phone No. 432-448-4239  Idress 5053 US Highway 285, Orla, TX 79770  NORM READINGS TAKEN? (Circle One) YES NO (Chloride (mmhos/cm) pH  TANK BOTTOMS  Inches BS&W/BBLS Received BS&W (%)  Inches BS&W/BBLS Received BS&W (%)  I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?	TRUCK TIME ST	AMP DI	SPOSAL FACILITY	RECEIV	ING AREA
Phone No. 432-448-4239  Phone No. 432-448-4239  NORM READINGS TAKEN? (Circle One) YES NO Chloride (mmhos/cm) pH  TANK BOTTOMS  Teet Inches  Feet Inches  Feet Inches  Feet Inches  Feet Of Gauge Cereived  Thereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?  NAME (PRINT)  DATE  TITLE  SIGNATURE  Vosc	- 100		THE PROPERTY OF STREET	Name/No.	
rmit No. Red Bluff Facility/ STF-065  5053 US Highway 285, Orla, TX 79770  NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO Conductivity (mmhos/cm) pH  TANK BOTTOMS  Feet Inches  Feet Inches  BS&W/BBLS Received BS&W (%)  Free Water Total Received  I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?  NAME (PRINT)  DATE  TITLE  SIGNATURE	e Name/	ning a second	Phone No.	Transmission	
NORM READINGS TAKEN? (Circle One) Chloride Chemical Analysis (Mg/l)  Feet Inches  Feet Inches  BS&W/BBLS Received Free Water Total Received  I hereby certify that the above load material has been (circle one):  ACCEPTED  DENIED  If YES, was reading > 50 micro roentgens? (circle one) YES NO Conductivity (mmhos/cm) pH  Feet  Inches  BS&W/BBLS Received BS&W (%)  Free Water Total Received  I hereby certify that the above load material has been (circle one):  ACCEPTED  DENIED  If denied, why?  WORS  NO Conductivity (mmhos/cm) pH  Free Water Total Received  SIGNATURE	Pod Pluff Encility / STE	065		432-448-4239	No. of Contract of
NORM READINGS TAKEN? (Circle One) Chloride Chloride  Feet Inches  Feet Inches  BS&W/BBLS Received BS&W/BBLS Received BS&W/BBLS Received BS&W/BBLS Received BS&W/BBLS Received BS&W/BBLS Received BS&W/W/BBLS Received BS&W/W/W/W/W/W/W/W/W/W/W/W/W/W/W/W/W/W/W/	ddress 5053 US Highway 285, Orla	a, TX 79770		2/11/1	NET NO
TANK BOTTOMS  Feet Inches  St Gauge Ind Gauge Ind Gauge Inches  Inches  ACCEPTED DENIED If denied, why?  NAME (PRINT)  DATE  TITLE  SIGNATURE  Vorse		rcle One) YES NO		ding > 50 micro roentgens? (circle one	e) AE2 MO
TANK BOTTOMS  Inches  Inches  BS&W/BBLS Received  Free Water  Total Received  I hereby certify that the above load material has been (circle one):  ACCEPTED  DENIED  If denied, why?  NAME (PRINT)  DATE  TITLE  SIGNATURE			A STATE OF THE PARTY OF THE PAR		pH_
BS&W/BBLS Received BS&W (%)  Free Water  Total Received  I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?  NAME (PRINT)  DATE  TITLE  SIGNATURE	A.V. 10		ANK BOTTOMS		miles of Processes Successional Land
I hereby certify that the above load material has been (circle one):  ACCEPTED DENIED If denied, why?  NAME (PRINT)  DATE  TITLE  SIGNATURE  VOICE	Feet	Inches		SSW/BBI S Received	BS&W (%)
Total Received  I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?  NAME (PRINT) DATE TITLE SIGNATURE		The second secon	ALL CHARLES AND SECTION BY		dennhanten
I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?  NAME (PRINT) DATE TITLE SIGNATURE  Vors			1 un propose manufacture # 1	Total Received	A LANGUAGE CONTRACTOR
NAME (PRINT)  DATE  TITLE  SIGNATURE  VOICE					
NAME (PRINT)  DATE  VOICE  VOI	I hereby certify that the above load mater	rial has been (circle one): ACCEPT	TED DENIED If denied, wh	ny?	INCOME DESCRIPTION OF THE PROPERTY.
NAME (PRINT)  DATE  VOICE  VOI	In Car (16 %)	918-11	1 Theresin		CNATURE
Celeased to Imaging: 1/31/2022 2440:31 PM GINAL Blue - TRANSPORTER Yellow - GENERATOR Vers	NAME (PRINT)	DATE	TITLE	SI	GRACURE
eleased to Imaging: 1/31/2022 2/40:31 PM GINAL Blue - TRANSPORTER Yellow - GENERATOR Vers					
eleased to Imaging: 1/31/2022 2740:31 PM GINAL Blue - TRANSPORTER Yellow - GENERATOR Vers				OFFICE ATOM	V
			TDANICDODTED V	ALIAW - GENERALDE	vers

Received by OCD: 10/2	28/2021 2:47	7:06 PM EXAS NON-	HAZARDOU	S OILFIELD	WASTE MAI	NIFEST	Company	Man Contact Information
R369	1-		(PLE	ASE PRINT)	*REQU	IRED INFORMATION	N* Name Phone No	
			GEN	ERATO	R	NC NC	80025	SA
~		D/ 11 22	OL.	A DIRECTOR CO.	rmit/RRC No.	All life and ending	V V to	4 44 8
Operator No.	2001 C	1211111	THE REAL PROPERTY OF	Le	ase/Well	cake west	- 94	I and
Operators Name					ame & No.	COUNT WAR	Paradia dubies	F mineral
Address					ounty	100000000000000000000000000000000000000	11/m 2/3	1277
			To be seen		PI No.	and the second of the	40 of 74	mil 1987, Suits
City, State, Zip					g Name & No.	W. C. T. T. C. T. C.		THE STREET
Phone No.		- to	<del>ale</del> mod		FE/PO No.			
	XEMPT E&P Wa	ste/Service Identification	on and Amou	int (place volu	ume next to v	waste type in barrels of OTHER EXEMPT WAST	r cubic yards)	n process of the waste)
Oil Based Muds	1901277	NON-INJECTABLE WATER	S ctable)			OTHER EXEMPT WAST	E3 (type and generation	T DOCCOR OF THE SECRET
Oil Based Cuttings Water Based Muds		Washout Water (Non-Inje Completion Fluid/Flow ba	ck (Non-Inject	table) _		and transfer and and	Culton not 110	y page to not unless C
Water Based Cuttings		Produced Water (Non-Inj	ectable)	_		1 0 1		11
Produced Formation Solids		Gathering Line Water/Wa	aste (Non-Injec	ctable)		The same of the sale	in make the total of	Suffer solding
Tank Bottoms E&P Contaminated Soil		Truck Washout (exempt v	waste)			night will believe		material complete
Gas Plant Waste						PRODUCTION	GAT	HERING LINES
WASTE GENERATION PROCESS		DRILLING	-	MPLETION	110	PRODUCTION	- OAT	TEIMING EATED
	THE STREET	NON-EXEN	APT E&P Waste	e/Service Identi	fication and Ar	mount	vity and Reactivity.	E NIONE DE LES
All	non-exempt E&P	waste must be analysed and	d be below the	threshold limit	s for toxicity (1	from Non-Exempt Wast	e List on back	
Non-Exempt Other	2				*piease select	Jioni Non-Exempt Wast	- List on son	
QUANTITY		B - BAF				1 - 1 - L	YARDS	E - EACH
I hereby certify that the above lister	d material(s), is (a	re) not a hazardous waste a	as defined by 4	O CFR Part 261	or any applicat	ble state law. That each v	vaste has been prop	erly described, classified and
packaged, and is in proper condition	a for transportation	on according to applicable to	egulation.					
	Oil field wastes	generated from oil and gas	exploration an	d production o	perations and a	are not mixed with non-ex	cempt waste (R360 A	Accepts certifications on a per
RCRA EXEMPT:	load basis only							
RCRA NON-EXEMPT:	Oil field waste w	hich is non-hazardous that	does not exce	ed the minimur	n standards for	r waste nazardous by cha amended. The following o	documentation demo	ed in RCRA regulations, 40 CFR onstrating the waste as non-
	261.21-261.24, o	ached. (Check the appropria	ate items as pr	ovided)	Subpart by as a			
	MSDS Information		Hazardous Wa			Other (Provide Descr	iption Below)	And the second
	MSDS MICHAEL			The Control of		And the second s		
11/1/2	17	· · · · · · · · · · · · · · · · · · ·		9.6	7.71		1	
(PRINT) AUTHORIZED AGENTS S	GNATURE			D	ATE	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	SIGNATURE	init ambittom title
(PRINT) AUTHORIZED AGENTS	IGNATURE	1000	TDA	NSPORT	TER	MANUFACTOR OF	The state of the s	A PARTY OF PARTY AND A PARTY OF THE PARTY OF
		NAME OF THE OWNER, THE	INA	NOPON	ILIN	the 1	211	and the latter of the latter o
Transporter's	16/2	mother of			Driver's Name	10 = 1	20 110 x	
NameAddress	n anna minimum	1000	and the second		Print Name			
					Phone No.			
Phone No.					Truck No.	1451		
I hereby certify that the above name	ned material(s) w	as/were picked up at the Gr	enerator's site	listed above an	d delivered wit	thout incident to the disp	osal facility listed be	low.
Thereby certify that the obove has	100 1100 1100 1100				01	-8-71	M. C.	
SHIPMENT DATE	-	DRIVER'S SIGNATURE			The Park Street of the Park Street	ELIVERY DATE		VER'S SIGNATURE
TRUCK T	IME STAM	P	DISPO	SAL FA	CILITY	The same of the same	RECEIVING	AREA
IN: ( 000	OUT:		n milmini	14 - 14	Tridland Editor	Name,	/No	1) //
	001.						we will mind	In an at Million III have
Site Name/ Permit No.  Red Bluff Fac	ility/ STF-065				Phone No.	432-448-4239		A STATISTICAL PROPERTY.
On the second se	ay 285, Orla, TX 7	9770						NAME OF STREET
NORM READINGS	TAKEN? (Circle Or	ne) YES	NO			eading > 50 micro roentg	ens? (circle one)	YES NO
Chloride					Conductivity (mmhos/cm	1)		pH
Chemical Analysis (Mg/l)			TAN	KBOTT	OMS		-48	Common Acquired to 11
	Feet	Inches	- VAIL				min Arrived on 1944	APPENDENCE OF THE PROPERTY OF
1st Gauge	1.000	menes	a security of			BS&W/BBLS Received		BS&W (%)
2nd Gauge		The state of the s	ur supari			Free Water Total Received		
Received			(1)			Total Necewed		
I hereby certify that the above	load material has	been (circle one):	ACCEPTED	DENIED	If denied,	why?	and the same	e etaus mareli punti.
I nereby certify that the above	Toda material rids	9 441	21	1/1				
NAME (PRINT)	4	DATE	//		TITLE	//	SIGNATUR	RE
NAME (PRINT)								THE RESIDENCE OF THE PERSON NAMED IN COLUMN

Received by OCD: 10/28	8/2021 2:47:06 PM TEXAS NO			Con NFORMATION* Name _	mpany Man Page 142 of 148
ENVIRONMENTAL		(PLEASE PRINT)	KEQOIKED II	Phone	
		GENERATOR		NO.	OCCUPECE
	m = 0/1/ 02		mit/RRC No.	heart a granging to the May	8002565
Operator No.	1000 Phillips		se/Well	off the Section of the Abroard	- Winter Contractor
Operators Name		Nar	ne & No.	ho waho d	9 401 0054
Address		Cou	inty _		Printed his, and owner
		API	No	30-015-4	2492
City, State, Zip	THREE CALLS CONTROL STATE	Rig	Name & No.		The series of th
Phone No.	WARRIED THE AMERICAN TO THE RESERVED TO THE RE	AFE	/PO No		
B)	EMPT E&P Waste/Service Identifica	tion and Amount (place volur	ne next to waste ty	pe in barrels or cubic yards	THE PARTY OF STREET
Oil Based Muds	NON-INJECTABLE WATE			R EXEMPT WASTES (type and gen	
Oil Based Cuttings	Washout Water (Non-In				
Water Based Muds Water Based Cuttings	Completion Fluid/Flow Produced Water (Non-I		<del>ally primi</del> ts <b>d</b> ecision		Stradin is wifely by trouble
Produced Formation Solids	Gathering Line Water/\	57. //			
Tank Bottoms	INTERNAL USE ONLY				Trop policinary - griffill (C)
E&P Contaminated Soil	Truck Washout (exemp	t waste)		All to testing with execut	- maintenance Production
Gas Plant Waste WASTE GENERATION PROCESS:	DRILLING	COMPLETION	PROD	DUCTION	GATHERING LINES
Who to delite with a second		EMPT E&P Waste/Service Identific	eation and Amount		Capardistrica de Capardistrica de Santos
All n	NUN-EXI on-exempt E&P waste must be analysed a	and be below the threshold limits	for toxicity (TCLP), Igni	tability, Corrosivity and Reactiv	vity.
Non-Exempt Other	OH CACHIPI LORI WORLD HAVE DE MONTO			n-Exempt Waste List on back	THE RESIDENCE OF THE PARTY OF T
Non-Exempt Other					
QUANTITY	B - B/	ARRELS		Y - YARDS	E - EACH
RCRA EXEMPT	NATURE	at does not exceed the minimum s as defined by 40 CFR, part 261, suriate items as provided) A Hazardous Waste Analysis	otandards for waste ha bpart D, as amended.  Other	zardous by characteristics esta The following documentation (Provide Description Below)	ablished in RCRA regulations, 40 CFR
Name	sob promers	Pri	nt Name		
Address			one No.		The support of the State of St
Pl N			uck No.	175	
Phone No.				ent to the disposal facility liste	d below.
I hereby certify that the above name	ed material(s) was/were picked up at the 0	senerator's site listed above and t	lelivered without inclu	ent to the disposar facility water	9(2) gamma A mit 111
SHIPMENT DATE	DRIVER'S SIGNATURE		DELIVERY DATE	phillips and the second	DRIVER'S SIGNATURE
PHONE CONTRACTOR OF THE PARTY O	ME STAMP	DISPOSAL FACI	LITY	RECEIVI	NG AREA
, , , , , , , , , , , , ,	AND THE PERSON OF THE PERSON O	DIST OSALTACI		Name/No.	()
IN:\ \	OUT:		THE DUTY	Name/No.	
Site Name/ Red Bluff Facili	tv/ STF-065	Ph	one No. 432-4	148-4239	
remitivo.			The second second		remain a
333333	285, Orla, TX 79770	(//	f VEC was roading > 50	) micro roentgens? (circle one)	YES NO
NORM READINGS TA Chloride	AKEN? (Circle One) YES		onductivity	Amero rocingerio. (en ele ente,	
Chemical Analysis (Mg/l)	1112		(mmhos/cm)		pH
	1	TANK BOTTO	MS		
F	eet Inches		DC 2.W/PI	BLS Received	BS&W (%)
1st Gauge		mar serious redition	D3@W/BI	Free Water	D3&VV (70)
2nd Gauge Received			To	otal Received	
neceived					
I hereby certify that the above le	oad material has been (circle one):	ACCEPTED DENIED	If denied, why? _	munity-u-rity/m/2-s	virinity multiportion alogot 7
T+14.	9.81	1 7/000		1	
NAME (PRINT)	DATE	TITL	Ę	SIGI	NATURE
7.111230111111					

SOLUTIONS					To OI HOURS	Dal damente	Phone N	0,
			G	ENERATOR		NO	800	2572
perator No.	manning	5 12	11. 14	Permit/RF		THE PROPERTY OF THE PARTY OF TH	4 01	and the state of t
	_+, 0,	1-11-	1	Lease/We		La La Carrie	ingu / will A	74. F. P.M
perators Name				Name & N	10.	Tomas and the	1209	Turk - Lill Sheeki
dress				County	Tag field mit	min I been by	THE RESERVE	AND DESCRIPTION
		THE OWNER OF	No. of Contrast of	API No.		Strick Property	772-12	174107 >
ty, State, Zip				Rig Name	& No		10 1	1 0 Can
one No.				AFE/PO N	0			
E	XEMPT E&P Wa	ste/Service Idea	ntification and A	mount (place volume ne	xt to waste t	ype in barrels o	r cubic yards)	
il Based Muds	1411184	NON-INJECTABLE			OTHE	ER EXEMPT WASTI	ES (type and gene	ration process of the waste)
il Based Cuttings			(Non-Injectable)					
Vater Based Muds Vater Based Cuttings			d/Flow back (Non-I r (Non-Injectable)	injectable)	total a solite		100	
roduced Formation Solids			Vater/Waste (Non-	-Injectable)	1	1 md	VV	
ank Bottoms		INTERNAL USE C				VI	Tangami In	
&P Contaminated Soil	/_	Truck Washout	(exempt waste)	union committee and a	the state of the s	\$110 PV		HORISHUMUL INDICAL
as Plant Waste ASTE GENERATION PROCESS:		DRILLING		COMPLETION	PRO	DUCTION		SATHERING LINES
ASTE GENERATION PROCESS.		100				333,,,,,,		
All	non-evernet F&P w	Naste must be ana	ON-EXEMPT E&P V	Waste/Service Identification w the threshold limits for to	and Amount cicity (TCLP), Igr	nitability, Corrosiv	ity and Reactivit	ty. I me I many
on-Exempt Other	non-exempt car v	vaste must be and	IIV DISCROINCE AND DESCRIPTION			on-Exempt Waste		Colombia (Colombia (Colombia) (Colombia (Colombia) (Colombia (Colombia) (Colombia (Colombia) (Colombia (Colombia) (Colombia (C
n-exempt other								
JANTITY			B - BARRELS			76	YARDS	E - EACH
ereby certify that the above listed	d material(s), is (ar	e) not a hazardou	s waste as defined	by 40 CFR Part 261 or any a	pplicable state	law. That each w	aste has been p	roperly described, classified
ckaged, and is in proper condition	for transportation	n according to app	and gas exploration.	on and production operation	s and are not m	nixed with non-exe	empt waste (R3)	60 Accepts certifications on
RCRA EXEMPT:	load basis only)	enerated from oil	and gas exploratio	on and production operation	Julia di Citocti	inco mention		n: 11-14 E-141
						i comprehensi and a		lished in BCRA cogulations
	Oil field wests wit	sich is non harard	lous that does not	exceed the minimum standa	rds for waste h	nazardous by char	acteristics estab	ilisned in KCKA regulations,
RCRA NON-EXEMPT:	Oil field waste wh	nich is non-hazard r listed hazardous	lous that does not waste as defined l	exceed the minimum standa by 40 CFR, part 261, subpart	rds for waste h D, as amended	nazardous by chara d. The following do	ocumentation de	emonstrating the waste as
RCRA NON-EXEMPT:	261.21-261.24, 0	r listed hazardous	waste as defined l	by 40 CFR, part 261, subpart	rds for waste h D, as amended	azardous by chara d. The following do	ocumentation de	emonstrating the waste as
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RCRA NON-EXEMPT:	261.21-261.24, o hazardous is atta	r listed hazardous ched. (Check the	waste as defined lappropriate items	by 40 CFR, part 261, subpart as provided)	D, as amended	d. The following do	ocumentation de	emonstrating the waste as
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ransporter's lame ddress hone No. hereby certify that the above name SHIPMENT DATE  TRUCK TI	261.21-261.24, or hazardous is atta MSDS Informatio	r listed hazardous ched. (Check the ann ann ann ann ann ann ann ann ann an	at the Generator's	by 40 CFR, part 261, subpart as provided) s Waste Analysis  DATE  RANSPORTER  Driver's  Print Na Phone N  Truck No site listed above and deliver	D, as amended  Other  Name  me o.  ced without incidents	d. The following do	ption Below)  Signat	below.  DRIVER'S SIGNATURE
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(PRINT) AUTHORIZED AGENTS SI  ransporter's ame ddress  hone No. hereby certify that the above name SHIPMENT DATE  TRUCK TI  N: ite Name/ ermit No. ddress  NORM READINGS T	261.21-261.24, or hazardous is atta MSDS Information GNATURE  GNATURE  ME STAMP OUT:  Lity/ STF-065  y 285, Orla, TX 79	r listed hazardous ched. (Check the ann ann ann ann ann ann ann ann ann an	at the Generator's	by 40 CFR, part 261, subpart as provided) s Waste Analysis  DATE  RANSPORTER  Driver's  Print Na Phone N  Truck No site listed above and deliver	D, as amended  Other  Name  me o. DELIVERY DAT  Y  was reading > 5	d. The following do er (Provide Description ident to the dispose Name/I	ption Below)  signat  sal facility listed  RECEIVIN	below.  DRIVER'S SIGNATURE
ransporter's ame ddress hone No. hereby certify that the above name  TRUCK TI  N: ite Name/ remit No. ddress NORM READINGS T Chloride	261.21-261.24, or hazardous is atta MSDS Information GNATURE  GNATURE  ME STAMP OUT:  Lity/ STF-065  y 285, Orla, TX 79	r listed hazardous ched. (Check the ann ann ann ann ann ann ann ann ann an	TR  at the Generator's  DISF	by 40 CFR, part 261, subpart as provided) s Waste Analysis  DATE  RANSPORTER  Driver's  Print Na Phone N  Truck No site listed above and deliver  Phone N  If YES, Conduct	D, as amended  Other  Name  me o. DELIVERY DAT  Y  was reading > 5	d. The following does re (Provide Description of the Provide Description of the Manager of the M	ption Below)  signat  sal facility listed  RECEIVIN	below.  DRIVER'S SIGNATURE  JG AREA
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Received by OCD: 10/	28/2021 2:47:	06 PMTEXAS NO			CONTROL CONTROL OF THE PARTY OF	ANIFEST		ompany Man Page 144 of 1
NVIRONMENTAL COUNTINGS				(PLEASE PRII	VT) *REQU	UIRED INFORMA		e No.
Solutions			6	ENERAT	OR			
Operator No.	anore	Dh. H.	25		Permit/RRC No. Lease/Well		Q i	02556
Operators Name		1			Name & No.	Cabo a	who 2	4 61 0054
Address			The state of		County		de allera in period for	BUNGET HA WARRY Z
Address					API No.	THE MITTING	-015 1	12492
City State 7in	TEST FILL FILL FILL	Add Apply and Taxon	The state of the s		Rig Name & No.			CAS CIPALIFICATION CONTRACTOR
City, State, Zip Phone No.	THERE IS NOT THE	Section 2 Section	n man Tita		AFE/PO No.	THE RESERVE THE TAXABLE PROPERTY.		ALTERNATION DISTRICT
		10 11 11 112	-11 A A	movint Inlana		waste type in har	rols or cubic var	ds)
National Control of the Control of t		te/Service Identific		mount (place	volume next to			generation process of the waste)
Oil Based Muds Oil Based Cuttings		Washout Water (Non						
Water Based Muds		Completion Fluid/Flo		njectable)	er <del>an de la cont</del> e	and the state of the state of		
Water Based Cuttings		Produced Water (Nor		to to constitut		00	1 1	
Produced Formation Solids Tank Bottoms		Gathering Line Water INTERNAL USE ONLY	/waste (Non-	-injectable)			+ Clu	MP mount
E&P Contaminated Soil		Truck Washout (exen	npt waste)	*************		on Lot was		v natiologous Estitial
Gas Plant Waste						4		- LTUERUNG LINES
WASTE GENERATION PROCESS	5:	DRILLING		COMPLETIO	N	PRODUCTION	ned in land	GATHERING LINES
All Parks and the Parks and th	non everent ECD ve	NON-E aste must be analysed	XEMPT E&P V	Vaste/Service Id	lentification and A	mount TCLP), lenitability, Co	orrosivity and Read	tivity.
Non-Exempt Other	non-exempt E&P wa	iste must be analyset	I and be below	y the threshold		from Non-Exempt		
Non-Exempt other								
QUANTITY	4		BARRELS			150	Y - YARDS	E - EACH
I hereby certify that the above listed packaged, and is in proper condition	d material(s), is (are)	not a hazardous was	ste as defined	by 40 CFR Part	261 or any applica	ble state law. That e	each waste has bee	en properly described, classified and
	Oil field wastes ger	nerated from oil and p	gas exploratio	n and production	n operations and	are not mixed with n	on-exempt waste	(R360 Accepts certifications on a pe
RCRA EXEMPT:	load basis only)							stablished in BCRA regulations 40 C
RCRA NON-EXEMPT:	Oil field waste whi	ch is non-hazardous t	hat does not e	exceed the mini	mum standards to	amended. The follow	y characteristics es ving documentation	stablished in RCRA regulations, 40 Cl on demonstrating the waste as non-
		ned. (Check the appro			2,000,000			
	MSDS Information	The state of the s		Waste Analysis		Other (Provide I	Description Below	Terms and the state of the
	] Mass me maner				and a part of			
114	170				27 . 2 4	1927	100	2.
(PRINT) AUTHORIZED AGENTS	EIGNATURE			7	DATE		Sie	GNATURE
(PRINT) AOTHORIZED AGENTS	SIGNATURE.		TP	RANSPO	DTED	108		
			117	ANSFO	NILN			
Transporter's	12 8 1 / las	A BEA	LAND	<	Driver's Name	70.9	1.11	1-1-1
Name	1	1000			Print Name			The state of the s
Address					Phone No.			
Di N-					Truck No.	at C	7	
Phone No.		27 1 20	C			thout incident to the	disposal facility lis	sted below.
I hereby certify that the above nar	ned material(s) was/	were picked up at the	e Generator s	site listed above	and delivered wit	thout incident to the	disposal facility in	EWS about the first first of
SHIPMENT DATE		DRIVER'S SIGNATURE			Di	ELIVERY DATE	7	DRIVER'S SIGNATURE
	IN AE CEANAD	DAIVERS SIGNATURE	DICE	OCAL E	ACILITY		RECEIV	ING AREA
TRUCKT	IME STAMP	4	וכוע	POSAL F	ACILITY			) (Man
IN:	OUT:		- Branch and Branch		1	Nar	ne/No.	
Site Name/	10. / STF 0.55				Phone No.	422 449 4220		
Permit No. Red Bluff Fac						432-448-4239	_	PH-Th-
Address 5053 US Highw	ay 285, Orla, TX 797	70	1254			av eav v	3/3/13	ne) YES NO
	TAKEN? (Circle One)	YES	NO		If YES, was re Conductivity	eading > 50 micro ro	entgens? (circle or	ne) YES NO
Chloride Chemical Analysis (Mg/l)					(mmhos/cm	)		рН
			TA	NK BOT	TOMS	NOTE OF THE PARTY		Section and the second section is a
	Feet	Inche	S	Long Virginian	on individual line			I peant total
1st Gauge				Joy Johnson o	40	BS&W/BBLS Receiv		BS&W (%)
2nd Gauge		- P. S. Da. D.				Total Receiv		- Countries - Coun
Received		18.75						
I hereby certify that the above	load material has be	een (circle one):	ACCEPTED	DENIED	If denied, v	why?	who gold fine	molecular annimation property and the second
The say of the short		6 6:	11	77				
1000 10	C. I	DATE	V 1		TITLE	0	/ / 3	SIGNATURE
NAME (PRINT)		DAIL						

Received by OCD: 10/2	28/2021 2:47	:06 PMTEXAS NON			TE MANIFEST *REQUIRED INFORMATIO		y Man <b>Rage</b> t14	5 of 148
NVIRONMENTAL			(i LLASI	- 1 150(41)		Phone No	NAME OF ALL	manager in
Operator No.	noco	ph. II,	GENER	Permit/F Lease/W		0. 8	00257	5
Operators Name				Name &	and the second	to sy	Frest C	2001)
Address			tipelorus ad itus	County	lamenta per le ación e di dig		Plant No.	The state of
				API No.	30-0	15-42	422	
City, State, Zip			w madult	Rig Nam	e & No.	12/	neitti jiribo3	
Phone No.				AFE/PO	No.	11/552-11-01/1-01	- 10 100	
EX	EMPT E&P Wa	ste/Service Identificati	on and Amount (p	olace volume n	ext to waste type in barrels o			
Oil Based Muds	TO LETTER OF	NON-INJECTABLE WATER			OTHER EXEMPT WAST	ES (type and generation	process of the waste)	
Oil Based Cuttings Water Based Muds	./0	Washout Water (Non-Inj Completion Fluid/Flow b						orius fines
Water Based Cuttings	71	Produced Water (Non-In				100		
Produced Formation Solids Tank Bottoms	*	Gathering Line Water/W INTERNAL USE ONLY	aste (Non-Injectable		market fielding	The Printer of the Paris		
E&P Contaminated Soil	I	Truck Washout (exempt	waste)	U(1) Participal	estad along the better	TriVI - not	Wigom Institu	
Gas Plant Waste		DOULING.	COMP	TTION /	PRODUCTION	GATH	HERING LINES	
WASTE GENERATION PROCESS:		DRILLING	COMPL				Eliting Elites	
All n	on-exempt E&P w	NON-EXEN aste must be analysed an	MPT E&P Waste/Served be below the thres	hold limits for to	xicity (TCLP), Ignitability, Corrosiv		THE PERSON NAMED IN	
Non-Exempt Other				*please	select from Non-Exempt Waste	LISE ON DUCK		
QUANTITY		B - BAI	RELS		14 (Y-1	YARDS	E - EAC	CH CH
I hereby certify that the above listed	material(s), is (are	) not a hazardous waste	is defined by 40 CFR	Part 261 or any	applicable state law. That each w	aste has been prope	rly described, classi	fied and
nackaged, and is in proper condition	for transportation	according to applicable r	egulation.		ns and are not mixed with non-ex			
RCRA EXEMPT:	load basis only)							
	261.21-261.24, or	listed hazardous waste a	defined by 40 CFR,	part 261, subpar	ards for waste hazardous by char D, as amended. The following d	acteristics establishe ocumentation demor	a in RCRA regulation strating the waste	as non-
		hed. (Check the appropri	ite items as provide Hazardous Waste Ar		Other (Provide Descri	ption Below)		
X	MSDS Information	I KCKA	nazaruous waste Ar	ialysis	outlet (Frontal outlet)			
1	THE STATE OF THE S	en .		0,4	7/ Janen	The films		
(PRINT) AUTHORIZED AGENTS SIG	NATURE	0		DATE		SIGNATURE	II III	
(PRINT) AUTHORIZED AGENTS SIG	INTOILE		TRANC	PORTER	LIGHT DIS	realise (militar	Third III wonted	
			IKAN	PUNIEN				
Transporter's	Was Alak	ob in 1		Driver's	Name			
Name Address	(L/VL)	n feer	100	Print Na	ime			
man of the same of				Phone I	No.		The second series	
Phone No.	mari Mart			Truck N	0.	2000	The second secon	
I hereby certify that the above name	ed material(s) was	/were picked up at the Ge	nerator's site listed	above and delive	red without incident to the dispo	sal facility listed belo	w.	
Torrestore grift and the	H-1. 10 <sup>10</sup>	- X	- America	ar we'r reget	milit - 1	, , , , , , , , , , , , , , , , , , , ,	ER'S SIGNATURE	
SHIPMENT DATE		DRIVER'S SIGNATURE		A - A	DELIVERY DATE			-
TRUCK TIN	ME STAMP OUT:		DISPOSA	L FACILII	Name/	RECEIVING No.	AREA	X.
Site Name/	. terr our			Phone	No. 422 449 4229			
Permit No. Red Bluff Facili			- I would		432-448-4239		The Control of the Co	initial in (e
	285, Orla, TX 797	700	20	IE VEC	was reading > 50 micro roentge	ns? (circle one)	YES	NO
NORM READINGS TA Chloride Chemical Analysis (Mg/l)	AKEN? (Circle One	YES	NO	Conduc		is, (dicie one)		рН
Chemical Analysis (Man)			TANK B	OTTOM			mana e el tameçel e	
F	eet	Inches	Market Street, Street, St.	A STATE OF THE STA	DCR.W/DDLC Beceived	1 6	3S&W (%)	
1st Gauge	-		(41)	enagru est	BS&W/BBLS Received Free Water	8	J. (79)	
2nd Gauge Received			100 PER SE	114	Total Received			11 4
						7	-	
I hereby certify that the above lo	oad material has b	een (circle one): A	CCEPTED DE	NIED If de	enied, why?	in a supplier to	ent of a relation	11 2
10000 (100	v	9-9.1	4	1/1/2/4	1/12 V V	SIGNATURE	may be about the	-m <sup>1</sup>
NAME (PRINT)		DATE		TITLE		SIGNATURE	design to be the party seems	

GENERATOR PROPRIETOR DOS. PROP				Light	UIRED INFORMATION* Na Ph	one No.
person Name    Name & No.	-11		GE	NERATOR	NO.	8002573
Secretor Name    Nome & No.   County   API No.	perator No.	INDEE A	6.11.15		gain <del> garan man an</del>	
AN Sole, Zip  AN No.  BEENPT ERP Waster/Service Identification and Amount (place volume most to waste type in barries or cubic yards)  BEENPT ERP Waster/Service Identification and Amount (place volume most to waste type in barries or cubic yards)  BEENPT ERP Waster/Service Identification and Amount (place volume most to waste type in barries or cubic yards)  BEENPT ERP Waster/Service Identification and Amount (place volume most to waste type in barries or cubic yards)  Wellow Warter (kno-linicated)  From Control of Control of the Waster Based (cultings  From Control of Control	nerators Name				Cabo icabo	It has no
All store of Mush    Seed Mush			ban Sarwa		ng rule gjirda tadmir snidd	Thoma No Provide up
N. Salar, 250 ART (CARD) ART (CAR	Juless				20.015	47497
AFFONDO.  DEEMPT ERP Wasto Service Identification and Amount (piace volume next to waste type in barries or cubic yearts)  Based Mudb  Based Mudb  Washout Water (Non-injectable)  Washout Water (Non-injectable)  Washout Water (Non-injectable)  Froudced March (Non-injectable)  Gathering Issed Contrained  And Indianated Sulf  Froud Washout (prempt public flow injectable)  Fround Washout (prempt waste)  AST Contrainated Sulf  Froud Washout (prempt waste)  AST Contrainated Sulf  AST Contraina	h. State 7to	nautum 1346.84 apak	A CHAPTER PLANT			SIFE INSTITUTE
DECEMPT EXP Woster/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)  Ill Based Cutting  Ill Based Cutting  Ill Based Cutting  Woshback Explaints Wosters  Woshback Explaints Wosters  Woshback Explaints			Tales and the party of the part			#7 01,144 - 1 - 4 H H H H
Based Mulds   Service			N. Pr. V. Sand Ass		waste type in barrels or cubic	vards)
Based Curlings				Jount (place volume next to	OTHER EXEMPT WASTES (type a	nd generation process of the waste)
Completion Fluid Fluid water (Non-Injectable)  Fronded Water (						
Cathering Live Water Waste (Non-investable)  ART Contaminated Soil  Frock Washout (seempt waste)  ART Contaminated Soil  ART Contaminated Soil  ART Contaminated Soil  Frock Washout (seempt waste)  ART Contaminated Soil  ART Contaminated Soil  Frock Washout (seempt waste)  ART Contaminated Soil  F	/ater Based Muds			ectable)	or week and restricted	
INTERNAL USE CONTY  PROPORTION  AND COMPLETION  AND COMPLETION			3 4 0	niectable)		1
AR COMPATION   GATHERING LINES  ARTE GENERATION PROCESS:   DRILLING   COMPLETION   PRODUCTION   GATHERING LINES  ARTE GENERATION PROCESS:   DRILLING   COMPLETION   PRODUCTION   GATHERING LINES  ARTE GENERATION PROCESS:   DRILLING   COMPLETION   PRODUCTION   GATHERING LINES  ARTER MARKET  ARTER OF A STATE OF					We will your this	I The story - aniling
ASTE GENERATION PROCESS: DRILLING OMEYENPTER Waster/Service identification and amount of the company of the below the threshold limits for troscety (TCI3), periability, Corrosolity, and Reactivity.  All non exempt LBP waste must be analyzed and be below the threshold limits for troscety (TCI3), periability, Corrosolity, and Reactivity.  All non exempt Other "please select from Non-Exempt Waster List on book "V-VARIDS E-EACH Transporter (Incidence of the proper condition for transportation according to applicable regulation.  Oil field waster seperated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R1360 Acceptable, classified a data and production operations and are not mixed with non-exempt waster (R1360 Acceptable, classified a data and production operations and are not mixed with non-exempt waster (R1360 Acceptable, classified a data and production operations and are not mixed with non-exempt waster (R1360 Acceptable, classified a data and production operations and are not mixed with non-exempt waster (R1360 Acceptable, classified a data and production operations and are not mixed with non-exempt waster (R1360 Acceptable, classified a data and production operations and are not mixed with non-exempt waster (R1360 Acceptable).  In RCRA NON-EXEMPT: Oil field waste which is non-hazardous waster as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waster as no hazardous is data-field. (Check the appropriate items as provided)  In RCRA NON-EXEMPT: Oil field waster which is non-hazardous waster as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waster as no hazardous is data-field. (Check the appropriate items as provided)  In RCRA DEMPT: Demonstration of the part of the		Truck Wash	hout (exempt waste)	non-manufic auto-laborate	and the continuous are	
NON-EXEMPT LSB Waster/Service Identification and Amount All non-exempt ESB waster must be analyzed and be below the threshold limits for toxicity (TCIP). Ignitiality, Corrovivity and Reaccinity.  All non-exempt Other  *please select from Non-Exempt Waste List on back  V - NAIDS  E - EACH  *Please select from Non-Exempt Waste List on back  V - NAIDS  E - EACH  *Please select from Non-Exempt Waste List on back  V - NAIDS  E - EACH  *Please select from Non-Exempt Waste List on back  V - NAIDS  E - EACH  *Please select from Non-Exempt Waste List on back  V - NAIDS  E - EACH  *Please select from Non-Exempt Waste List on back  V - NAIDS  E - EACH  *Please select from Non-Exempt Waste List on back  V - NAIDS  E - EACH  *Please select from Non-Exempt Waste List on back  V - NAIDS  E - EACH  *Please select from Non-Exempt Waste List on back  V - NAIDS  E - EACH  *Please select from Non-Exempt Waste List on back  V - NAIDS  E - EACH  *Please select from Non-Exempt Waste List on back  *Please select from Non-Exempt Waste List on back  V - NAIDS  E - EACH  *Please select from Non-Exempt Waste List on back  *Please select from Non-Exempt Waste List on back  *Please select from Non-Exempt Waste (R360 Accepts certifications on a selecting selection) for transportation according to application.  Oli field waste selected waste which is non-hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)  MSOS Information  MSOS Information  MSOS Information  **TRANSPORTER**  **TRANSPORTER**  **TRANSPORTER**  **TRANSPORTER**  **TRANSPORTER**  **TRANSPORTER**  **Transporter's Name  **Print Name  **Pri		Dominio		COMPLETION	PRODUCTION	GATHERING LINES
ABTOTIVE ADMINISTRATION OF THE STAMP DISPOSAL FACILITY DISPOSAL FACILITY DISPOSAL FACILITY DISPOSAL FACILITY DISPOSAL FACILITY RECEIVING AREA DISPOSAL FACILITY RECEIVING AREA DISPOSAL FACILITY RECEIVING AREA Name/No.    Conductive of the process	ASTE GENERATION PROCESS:	DRILLING				
DANTITY B - BARRELS V - YARDS E - EACH  JANTITY B - BARRELS V - YARDS E - EACH  JANTITY B - BARRELS V - YARDS E - EACH  JANTITY B - BARRELS V - YARDS E - EACH  JANTITY B - BARRELS V - YARDS E - EACH  JANTITY B - BARRELS V - YARDS E - EACH  JANTITY B - BARRELS V - YARDS E - EACH  JANTITY B - BARRELS V - YARDS E - EACH  JANTITY B - BARRELS V - YARDS E - EACH  JANTITY B - BARRELS V - YARDS E - EACH  JANTITY B - BARRELS V - YARDS I first waste has been properly described, classified a scalegard, and is in proper condition for transportation according to applicable state law. That each waste has been properly described, classified a scalegard in the proper condition for transportation according to applicable state law. That each waste has been properly described, classified a scalegard in the proper condition for transportations on a new part waste (R\$60 Accepts certifications on a load basis only)  JANTITY B JANTITY	All a	an avamat E&D waste must b	NON-EXEMPT E&P Wa	iste/Service Identification and A	Amount (TCLP), Ignitability, Corrosivity and F	eactivity.
DANTITY  B - BARRELS  V - YARDS  E - EACH  sereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified a chaged, and is in proper condition for transportation according to applicable regulation.  Olf field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics stabilished in RCRA regulations, 47 c. 26.12.45.12.4 or listed hazardous waste as defined by 40 CFR, part 261, subpart 0, as amended. The following documentation demonstrating the waste as no hazardous that standed. (Check the appropriate items as provided)  MSDS information  RCRA Hazardous Waste Analysis  Other (Provide Description Below)  PRINT, AUTROSCICO AGREEN SIGNATURE  TRANSPORTER  Driver's Name  Print Name  Print Name  Prince No.  Truck No.  TRUCK TIME STAMP  No.  DISPOSAL FACILITY  RECEIVING AREA  Name/No.  If YES, was reading > 500 micro roentgens? (dircle one)  Chloride  Chemical Analysis (Mc/l)  TANK BOTTOMS  If YES, was reading > 500 micro roentgens? (dircle one)  Chloride  Chemical Analysis (Mc/l)  TANK BOTTOMS  If YES, was reading > 500 micro roentgens? (dircle one)  Chloride  Transportery  Transportery  Transportery  ACCEPTED  DENED  If denied, why?  ACCEPTED  DENED  If denied, why?  ACCEPTED  DENED  If denied, why?  BOTTOM TO ACCEPTED  DENED  If denied, why?  ACCEPTED  DENED  If denied, why?		off-exempt Lot waste must b	e mayaca and be below t	*please selec	t from Non-Exempt Waste List on	back
AMATITY  B - BANKTUS  B - BANKT	n-Exempt other					
RCRA NON-EXEMPT:   Glied wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a load basis only)   RCRA NON-EXEMPT:   Oil field waste generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a load basis only)   Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40   2612-2612.4, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as no hazardous is attached, (Check the appropriate items as provided)   Other (Provide Description Below)					470	
TRUCK TIME STAMP OUT:  te Name/ No.  Red Bluff Facility/ STF-065  Phone No.  432-448-4239  Phone No.  A32-448-4239  NO  If YES, was reading > 50 micro roentgens? (circle one)  Conductivity (mmhos/cm)  Phone No.  If YES, was reading > 50 micro roentgens? (circle one)  TANK BOTTOMS  Feet  Inches  BS&W/BBLS Received  Free Water  Total Received  I hereby certify that the above load material has been (circle one):  ACCEPTED  DENIED  If denied, why?	RCRA NON-EXEMPT:	Oil field waste which is non-hi 261.21-261.24, or listed hazar hazardous is attached. (Check MSDS Information	rdous waste as defined by k the appropriate items as RCRA Hazardous W	ANSPORTER  Driver's Name	amended. The following document  Other (Provide Description Bel	ow)
N: OUT:  Ite Name/ ermit No. ddress  So53 US Highway 285, Orla, TX 79770  NORM READINGS TAKEN? (Circle One) Chloride hemical Analysis (Mg/I)  Feet  Inches  St Gauge Ind Gauge Received  I hereby-certify that the above load material has been (circle one): ACCEPTED  ACCEPTED  Name/No.  1432-448-4239  Phone No. 432-448-4239  If YES, was reading > 50 micro roentgens? (circle one) YES NO Conductivity (mmhos/cm) pH  TANK BOTTOMS  BS&W/BBLS Received  BS&W/BBLS Received  Total Received  I hereby-certify that the above load material has been (circle one): ACCEPTED  DENIED  If denied, why?	none No.  hereby certify that the above name	manage delin		Truck No.	570 70 / 200	177.00
te Name/ ermit No. dddress  5053 US Highway 285, Orla, TX 79770  NORM READINGS TAKEN? (Circle One) Chloride hemical Analysis (Mg/l)  Feet Inches  Feet Inches  BS&W/BBLS Received Free Water Total Received  I hereby certify that the above load material has been (circle one): ACCEPTED  DENIED  If denied, why?	none No.  hereby certify that the above name	DRIVER'S SIG	GNATURE	Truck No. ite listed above and delivered w	DELIVERY DATE	DRIVER'S SIGNATURE
Red Bluff Facility/ STF-065  ddress 5053 US Highway 285, Orla, TX 79770  NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO Chloride (mmhos/cm) pH  TANK BOTTOMS  Feet Inches  st Gauge Ind Gauge Received Inches  Inches  ACCEPTED DENIED If denied, why?	none No.  nereby certify that the above name  SHIPMENT DATE  TRUCK TII	DRIVER'S SIG	GNATURE	Truck No. ite listed above and delivered w	DELIVERY DATE	DRIVER'S SIGNATURE
Sosa US Highway 285, Orla, TX 79770  NORM READINGS TAKEN? (Circle One) YES NO Conductivity (mmhos/cm) pH  TANK BOTTOMS  Feet Inches  BS&W/BBLS Received BS&W (%)  I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?	hone No. hereby certify that the above name SHIPMENT DATE TRUCK TII	DRIVER'S SIG	GNATURE	Truck No. ite listed above and delivered w	DELIVERY DATE	DRIVER'S SIGNATURE
NORM READINGS TAKEN? (Circle One) Chloride Chemical Analysis (Mg/l)  Feet Inches  BS&W/BBLS Received  BS&W/BBLS Received  Inches  BS&W/BBLS Received  Inches  BS&W/BBLS Received  Inches  BS&W/BBLS Received  BS&W/BBLS Received  Inches  BS&W/BBLS Received  BS&W/BBLS Received  BS&W/BBLS Received  BS&W/BBLS Received  Inches  BS&W/BBLS Received  BS&W/BBLS Received  BS&W/BBLS Received  BS&W/BBLS Received  BS&W/BBLS Received  Inches  BS&W/BBLS Received  BS&W/W)  Inches  BS&W/BBLS Received  BS&W/BBLS Received  BS&W/BBLS Received  BS&W/BBLS Received  BS&W/BBLS Received  BS&W/BBLS Received  BS&W/W/W)  Inches  BS&W/BBLS Received  BS&W/W/W/W/W/W/W/W/W/W/W/W/W/W/W/W/W/W/W/	hone No.  hereby certify that the above name  TRUCK TII  N:  Ped Bluff Facility  Red Bluff Facility  Red Bluff Facility  Red Bluff Facility	DRIVER'S SIG	GNATURE	Truck No. ite listed above and delivered w	RECE Name/No.	DRIVER'S SIGNATURE
Chloride Chemical Analysis (Mg/l)  TANK BOTTOMS  Feet Inches  BS&W/BBLS Received BS&W (%)  Free Water Total Received  I hereby certify that the above load material has been (circle one):  ACCEPTED DENIED If denied, why?	hone No.  hereby certify that the above name  SHIPMENT DATE  TRUCK TII  N:  Site Name/ Permit No.  Red Bluff Facil	ME STAMP OUT:	GNATURE	Truck No. ite listed above and delivered w	RECE Name/No.	DRIVER'S SIGNATURE
TANK BOTTOMS  Feet Inches  BS&W/BBLS Received BS&W (%)  ACCEPTED DENIED If denied, why?	hone No.  hereby certify that the above name  SHIPMENT DATE  TRUCK TII  N:  ite Name/ permit No.  Address  Red Bluff Facil  5053 US Highway	DRIVER'S SIG ME STAMP OUT:	DISPO	Truck No.  ite listed above and delivered w  OSAL FACILITY  Phone No.	RECE Name/No.	DRIVER'S SIGNATURE
Feet Inches  BS&W/BBLS Received BS&W (%)  Free Water  Total Received  I hereby-certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?	TRUCK TII  N:  Red Bluff Facil  Goddress  Red Bluff Facil  NORM READINGS T.	DRIVER'S SIG ME STAMP OUT:	DISPO	Truck No.  ite listed above and delivered w  OSAL FACILITY  Phone No.	RECE Name/No.	DRIVER'S SIGNATURE EIVING AREA e one) YES NO.
St Gauge End Gauge Received    BS&W/BBLS Received   BS&W (%)	TRUCK TII N:  Red Bluff Facil ddress  Red Bluff Facil Soft US Highwar NORM READINGS T. Chloride	DRIVER'S SIG ME STAMP OUT:	DISPO	Truck No.  ite listed above and delivered w  OSAL FACILITY  Phone No.  If YES, was Conductivity (mmhos/cr	RECE Name/No.  432-448-4239  reading > 50 micro roentgens? (circle	DRIVER'S SIGNATURE EIVING AREA e one) YES NO
I hereby certify that the above load material has been (circle one):  ACCEPTED DENIED If denied, why?  SIGNATURE	TRUCK TII N:  Red Bluff Facil ddress  Red Bluff Facil Soft US Highwar NORM READINGS T. Chloride	DRIVER'S SIG ME STAMP OUT:	DISPO	Truck No.  ite listed above and delivered w  OSAL FACILITY  Phone No.  If YES, was Conductivity (mmhos/cr	RECE Name/No.  432-448-4239  reading > 50 micro roentgens? (circle	DRIVER'S SIGNATURE EIVING AREA e one) YES NO
I hereby certify that the above load material has been (circle one):  ACCEPTED DENIED If denied, why?  SIGNATURE	hone No.  hereby certify that the above name  SHIPMENT DATE  TRUCK TII  N:  Red Bluff Facil  Address  NORM READINGS T. Chloride Chemical Analysis (Mg/I)	DRIVER'S SIG ME STAMP OUT:	DISPO S NO	Truck No.  ite listed above and delivered w  OSAL FACILITY  Phone No.  If YES, was Conductivity (mmhos/cr	RECE Name/No.  432-448-4239  reading > 50 micro roentgens? (circlen)	EIVING AREA e one) YES NO
I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?	Address  SHIPMENT DATE  TRUCK TII  IN:  Site Name/ Permit No. Address  NORM READINGS T. Chloride Chemical Analysis (Mg/I)	DRIVER'S SIG ME STAMP OUT:	DISPO S NO	Truck No.  ite listed above and delivered w  OSAL FACILITY  Phone No.  If YES, was Conductivity (mmhos/cr	RECE Name/No.  432-448-4239  reading > 50 micro roentgens? (circle)  BS&W/BBLS Received	EIVING AREA e one) YES NO
Inerept Certify that the above load material has been for the supplier of the	hone No.  thereby certify that the above name  TRUCK TII  N:  Ite Name/ ermit No.  Iddress  NORM READINGS T.  Chloride Chemical Analysis (Mg/I)  List Gauge 2nd Gauge	DRIVER'S SIG ME STAMP OUT:	DISPO S NO	Truck No.  ite listed above and delivered w  OSAL FACILITY  Phone No.  If YES, was Conductivity (mmhos/cr	RECE Name/No.  432-448-4239  reading > 50 micro roentgens? (circlen)  BS&W/BBLS Received Free Water	EIVING AREA e one) YES NO
NAME (PRINT) DATE TITLE SIGNATURE	Address  Phone No.  Thereby certify that the above name  SHIPMENT DATE  TRUCK TII  IN:  Site Name/ Permit No. Address  Red Bluff Facil 5053 US Highwar  NORM READINGS T. Chloride  Chemical Analysis (Mg/I)  Ist Gauge 2nd Gauge	DRIVER'S SIG ME STAMP OUT:	DISPO S NO	Truck No.  ite listed above and delivered w  OSAL FACILITY  Phone No.  If YES, was Conductivity (mmhos/cr	RECE Name/No.  432-448-4239  reading > 50 micro roentgens? (circlen)  BS&W/BBLS Received Free Water	EIVING AREA e one) YES NO
NAME (PRINT) DATE TITLE SIGNATURE	Phone No.  TRUCK TII  IN:  SHIPMENT DATE  TRUCK TII  IN:  Site Name/ Permit No.  Address  NORM READINGS T. Chloride Chemical Analysis (Mg/I)  1st Gauge 2nd Gauge Received	DRIVER'S SIG	DISPO S NO Inches	Truck No.  ite listed above and delivered w  OSAL FACILITY  Phone No.  If YES, was Conductivity (mmhos/cr	RECE Name/No.  432-448-4239  reading > 50 micro roentgens? (circlen)  BS&W/BBLS Received Free Water Total Received	DRIVER'S SIGNATURE EIVING AREA e one) YES NO
	Address  Phone No. hereby certify that the above name  SHIPMENT DATE  TRUCK TII  IN:  Site Name/ Permit No. Address  Red Bluff Facil 5053 US Highwa  NORM READINGS T. Chloride Chemical Analysis (Mg/l)  1st Gauge 2nd Gauge Received	DRIVER'S SIG	DISPO S NO Inches	Truck No.  ite listed above and delivered w  OSAL FACILITY  Phone No.  If YES, was Conductivity (mmhos/cr	RECE Name/No.  432-448-4239  reading > 50 micro roentgens? (circlen)  BS&W/BBLS Received Free Water Total Received	DRIVER'S SIGNATURE EIVING AREA e one) YES NO

Received by OCD: 10/2	8/2021 2:47:	06 PM <sub>TEXAS</sub>			CONTRACT AND CONTRACT AND	NIFEST	Com I* Name	pany Man Page 147 of 148
R369)			(P	PLEASE PRINT	*REQUII	RED INFORMATION	Phone N	lo
3555			GE	NERATO	R	NO	800	2574
Operator No.	4	Dh	11-11-5		ermit/RRC No.	PART OF THE PART O	0	ton or a supplied
Operators Name	Service Co				ease/Well lame & No.	Cabo us	1000	4 For 5054
Address				(	ounty	on made escape	3 4 50	DIVIDIO - TOM SHOWN
7,100				<i>f</i>	PI No.	-32-4	15 7	Color Service and
City, State, Zip					tig Name & No.	a tali <del>nar a d'alante</del>		Triplice (I = ginario
Phone No.		<i>P</i> 11 10	and and Alexander	William In the Control of the Contro	AFE/PO No.	ancto type in harrels o	r cubic vards	Y S DATE SHOWS IN THE SECOND
Oil Based Muds		NON-INJECTABLE		rount (place vo	ume next to w	raste type in barrels o OTHER EXEMPT WAST	ES (type and gen	eration process of the waste)
Oil Based Cuttings		Washout Water (		iectable)		and the second second second second		Annual Description
Water Based Muds Water Based Cuttings		Produced Water	(Non-Injectable)		<del></del>	1 0 11	I	TANDA STORY OF THE PARTY OF
Produced Formation Solids Tank Bottoms		Gathering Line W	/ater/Waste (Non-Ir	njectable)		1	In horasti	Delitting Westerner
E&P Contaminated Soil		Truck Washout (e		manual military		The and the mining		intriot Complemen
Gas Plant Waste WASTE GENERATION PROCESS	: [	DRILLING		COMPLETION		PRODUCTION		GATHERING LINES
			ON-EXEMPT E&P W	aste/Service Iden	tification and Am	ount		HINDING THE THE PARTY OF THE PA
All	non-exempt E&P w	aste must be anal	ysed and be below	the threshold lim		LP), Ignitability, Corrosiv		ity.
Non-Exempt Other					*please select fr	rom Non-Exempt Waste	List on back	
QUANTITY			B - BARRELS			777	/ARDS	E - EACH
I hereby certify that the above liste packaged, and is in proper condition				y 40 CFR Part 261	or any applicable	e state law. That each w	aste has been	properly described, classified and
RCRA EXEMPT:	Oil field wastes ge	nerated from oil a	and gas exploration	and production of	perations and are	e not mixed with non-ex-	empt waste (R	360 Accepts certifications on a per
RCRA NON-EXEMPT:	load basis only) Oil field waste wh	ich is non-hazardo	ous that does not ex	ceed the minimu	m standards for v	waste hazardous by char	acteristics esta	blished in RCRA regulations, 40 CFR
	261.21-261.24, or	listed hazardous	waste as defined by	40 CFR, part 261	, subpart D, as an	nended. The following do	ocumentation (	demonstrating the waste as non-
	MSDS Information		ppropriate items as RCRA Hazardous V			Other (Provide Descri	otion Below)	
				9				
16	With 187				21	1.	11	are a lada e a la
(PRINT) AUTHORIZED AGENTS	IGNATURE	Enach I			ATE		SIGNA	TURE
			TRA	ANSPOR	TER	All the second		
Transporter's Name	MILLE	130	16055		Driver's Name	10551	e M	DIENO
Address -	THY WEST	Jan -			Print Name	1238	MARIC	10
				00	Phone No.	-(J-(5)	75.))(1	115700
Phone No.					Truck No.	(6/1)	16 112 114	I F. Language Control of the Control
I hereby certify that the above name	ned material(s) was,	/were picked up a	t the Generator's si	te listed above ar	d delivered without	out incident to the dispo-	sal facility liste	HILL DIOIS
SHIPMENT DATE	-	DRIVER'S SIGNATURE			DELIV	VERY DATE	-11	DRIVER'S SIGNATURE
TRUCK TI	ME STAMP		DISPO	OSAL FA	CILITY	1	RECEIVII	NG AREA
IN:	OUT:		parcona II	Bright Have State		Name/I	Vo.	1) +
Site Name/ Permit No. Red Bluff Faci	lity/ STF-065				Phone No.	432-448-4239		naturalisation distribution in the second
200	ay 285, Orla, TX 797	70			11.4.4			i ii Mai
	TAKEN? (Circle One)	YES	NO		If YES, was read Conductivity	ding > 50 micro roentger	s? (circle one)	YES NO
Chloride Chemical Analysis (Mg/l)	ii let			nt m 1991 - 1	(mmhos/cm)_			pH
•	F	1-	TAN	NK BOTT	OMS			
1st Gauge	Feet		aren		B:	S&W/BBLS Received		BS&W (%)
2nd Gauge Received				removed the trib		Free Water Total Received		an extra consumer
I hereby certify that the above	load material has be	een (circle one):	ACCEPTED	DENIED	If denied, wh	yr	f fram	for an artist forthal therety
NAME (PRINT)	9		DATE	-116	TITLE		SIGN	ATURE
NAME (PRINT)			esato. Sesanggia lingga ay da			many from	, Van	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 58468

## **CONDITIONS**

Operator:	OGRID:
COG PRODUCTION, LLC	217955
600 W. Illinois Ave	Action Number:
Midland, TX 79701	58468
	Action Type:
	[C-141] Release Corrective Action (C-141)

## CONDITIONS

Created By	Condition	Condition Date
jnobui	None	1/31/2022