Received by OCD: 11/30/2020 7:26:35 AM Form C-141 State of New Mexico

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Oil Conservation Division

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Incident ID	NRM2024436143
District RP	
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Site Assessment/Characterization

This information must be provided to the appropriate district office 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 not 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 vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

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 wells.
- 🗹 Field data
- ✓ Data table of soil contaminant concentration data
- \checkmark Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-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

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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regulations all operators a public health or the envir failed to adequately invest	ren Pitt	otifications and perform co OCD does not relieve the ireat to groundwater, surfa	prrective actions for rele e operator of liability sho ice water, human health liance with any other feo Specialist	ases which may endanger ould their operations have or the environment. In
OCD Only Received by: Chad	l Hensley	Date:02/2	23/2021	

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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.

<u>Closure Report Attachment Checklist</u>: 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 of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☑ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

 Printed Name:
 Carmen Pitt
 Title:
 Senior ESH Specialist

 Signature:
 Carmen Pitt
 Date:
 11/30/2020

 email:
 cpitt@grizzlyenergyllc.com
 Telephone:
 (432)248-8145

OCD Only

Received by: Chad Hensley

Date: 02/23/2021

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:	Child Hend	Date:	02/23/2021
Printed Name: Chad H	ensley	Title:	Environmental Specialist Advanced

Remediation Summary and Soil Closure Request

Grizzly Energy, LLC Eddy Humble #4 SWD Tank Battery

Eddy County, New Mexico Unit Letter J, Section 4, Township 18 South, Range 28 East Latitude 32.7755 North, Longitude 104.17746 West NMOCD Reference No. nRM2024436143

Prepared By:

Etech Environmental & Safety Solutions, Inc. 3100 Plains Highway Lovington, New Mexico 88260

Beg J. Arguijo

Joel W. Lowry

Environmental & Safety Solutions, Inc.

Midland • San Antonio • Lubbock • Lovington • Lafayette

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- Appendix B Field Data and Soil Profile Logs
- Appendix C Laboratory Analytical Reports
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1.0 **PROJECT INFORMATION**

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Grizzly Energy, LLC, has prepared this *Remediation Summary and Soil Closure Request* for the release site known as the Eddy Humble #4 SWD Tank Battery. Details of the release are summarized below:

	Lo	cation of Release So	arce							
Latitude: 32.77550 Longitude: -104.17746										
		Provided GPS are in WGS84 forma	ıt.							
Site Name: Eddy H	Iumble #4 SWD Tank Ba		SWD							
Date Release Discovered	ed: 8/25/2020	API # (if application)	able): 30-015-40553							
Unit Letter See	ction Township	Range	County							
J	4 18S	Eddy								
Surface Owner: XSta		Tribal Private (Nan								
	1									
Crude Oil	Volume Released (bbl	s)	Volume Recovered (bbls)							
X Produced Water	Volume Released (bbl	s) 643.1	Volume Recovered (bbls) 615							
	Is the concentration of (TDS) in the produced	Yes No N/A								
Condensate	Volume Released (bbl	s)	Volume Recovered (bbls)							
Natural Gas	Volume Released (Mc	f)	Volume Recovered (Mcf)							
Other (describe)	Volume/Weight Releas	ed	Volume/Weight Recovered							
		ined containment. Portion	internal corrosion. The majority of the s of the release exited the containment.							
r		Initial Response								
X The source of the r	release has been stopped.									
X The impacted area	has been secured to protect	et human health and the env	vironment.							
X Release materials I	have been contained via th	ne use of berms or dikes, ab	sorbent pad, or other containment devices							
X All free liquids and	recoverable materials have	ve been removed and mana	ged appropriately.							

Previously submitted portions of the NMOCD Form C-141 are available on the NMOCD Imaging System.

2.0 SITE CHARACTERIZATION

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half mile radius of the Release Site. Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. Depth to groundwater information is provided as Appendix A.

What is the shallowest depth to groundwater beneath the area affected by the release?	102	2'
Did the release impact groundwater or surface water?	Yes	X No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	Yes [X 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 [X No
Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church?	Yes [X 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 [X No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	Yes	X No
Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field?	Yes	X No
Are the lateral extents of the release within 300 feet of a wetland?	Yes	X No
Are the lateral extents of the release overlying a subsurface mine?	Yes	X No
Are the lateral extents of the release overlying an unstable area such as karst geology?	Yes	X No
Are the lateral extents of the release within a 100-year floodplain?	Yes	X No
Did the release impact areas not on an exploration, development, production or storage site?	X Yes	No

NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) shapefiles; topographic maps; NMOSE and USGS databases; and aerial imagery. The results are depicted on Figures 1, 2, 4 & 5.

3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

Based on the volume and nature of the release, inferred depth to groundwater and NMOCD Siting Criteria, the NMOCD Closure Criteria and Reclamation Standards for the Site are as follows:

Closure Criteria for Son impacted by a Release								
Probable Depth to Groundwater	Constituent	Method	Limit					
	Chloride	EPA 300.0 or SM4500 Cl B	20,000 mg/kg					
	TPH (GRO + DRO + MRO)	EPA SW-846 Method 8015M Ext	2,500 mg/kg					
102'	DRO + GRO	EPA SW-846 Method 8015M	1,000 mg/kg					
	BTEX	EPA SW-846 Methods 8021b or 8260b	50 mg/kg					
	Benzene	EPA SW-846 Methods 8021b or 8260b	10 mg/kg					

Closure Criteria for Soil Impacted by a Release

* The NMOCD Reclamation Standard applies only to the top 4' of soil in non-production areas.

4.0 **REMEDIATION ACTIVITIES SUMMARY**

On September 11, 2020, Etech conducted an initial site assessment. During the initial site assessment, a series of hand-augered soil bores were advanced to the extents practicable within the release margins in an effort to determine the vertical extent of soil impacts. In addition, hand-augered soil bores were advanced at the inferred edges of the affected area in an effort to determine the horizontal extent of soil impacts. During the advancement of the hand-augered soil bores, soil samples were collected and field-screened for the presence of Volatile Organic Compounds utilizing a Photoionization Detector (PID) and/or concentrations of chloride utilizing a Hach Quantab ® chloride test kit.

Based on field observations and field test data, eleven (11) delineation soil samples (NH1 @ Surface, NH1 @ 1', EH1 @ Surface, EH1 @ 1', SH1 @ Surface, SH1 @ 1', WH1 @ Surface, WH1 @ 1', SP1 @ 1' - R, SP2 @ 1' - R, and SP3 @ 2' - R) were submitted to a certified commercial laboratory for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, soil was not affected above the NMOCD Closure Criteria beyond one (1) foot below ground surface (bgs), and the horizontal extent of affected soil impacted above the NMOCD Closure Criteria was adequately defined.

On November 10, 2020, Etech commenced remediation activities at the site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standard was excavated and stockpiled on-site, pending transfer to an NMOCD-approved surface waste facility for disposal. The floor and sidewalls of the excavation were advanced until field observations and test results suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard.

On November 11, 2020, Etech collected ten (10) excavation confirmation soil samples (NW-1 through NW-4, SW-1 through SW-4, EW-1, and WW-1). Two (2) composite soil samples (S Pasture 1 and S Pasture 2) were also collected from the affected area in the adjacent pasture. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or the NMOCD Reclamation Standard in each of the submitted soil samples.

On November 12, 2020, Etech collected twenty (20) excavation confirmation soil samples (FL-1 through FL-20). The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or the NMOCD Reclamation Standard in each of the submitted soil samples.

A "Site and Sample Location Map" is provided as Figure 3. A soil chemistry table is provided as Table 1. Field data and soil profile logs are provided in Appendix B. Laboratory analytical reports are provided in Appendix C. General photographs of the release site are provided in Appendix D.

The final dimensions of the excavated area were fifty (50) to one hundred forty-five (145) feet in length, five (5) to forty-five (45) feet in width, and six (6) inches in depth. During the course of remediation activities, approximately forty-eight (48) cubic yards of impacted soil were transported to an NMOCD-approved surface waste facility for disposal.

5.0 **RESTORATION, RECLAMATION AND RE-VEGETATION PLAN**

Upon receiving laboratory analytical results from confirmation soil samples, excavated areas were backfilled with locally sourced, non-impacted "like" material placed at or near original relative positions. The affected area was contoured and compacted to achieve erosion control, stability, and preservation of surface water flow to the extent practicable. Affected areas not on production pads and/or lease roads will be reseeded with an agency-approved seed mixture free of noxious weeds during the first favorable growing season following closure of the site.

6.0 SOIL CLOSURE REQUEST

Remediation activities were conducted in accordance with applicable NMOCD regulations. Impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standard was excavated and transported to an NMOCD-approved disposal facility. Laboratory analytical results from confirmation soil samples indicate concentrations of BTEX, TPH, and chloride are below the NMOCD Closure Criteria and/or NMOCD Reclamation Standard.

Based on laboratory analytical results and field activities conducted to date, Etech recommends Grizzly Energy, LLC, provide copies of this *Remediation Summary and Soil Closure Request* to the appropriate agencies and request closure be granted to the Eddy Humble #4 SWD Tank Battery Site.

7.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this *Remediation Summary and Soil Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents reference in the report and on oral statements made by certain individuals. Etech has not conducted an independent examination of the facts contained in referenced materials and statements. Etech has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Etech has prepared the report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Etech notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Grizzly Energy, LLC. Use of the information contained in this report is prohibited without the consent of Etech and/or Grizzly Energy, LLC.

8.0 **DISTRIBUTION**

Grizzly Energy, LLC 4001 Penbrook Suite 201 Odessa, TX 79762

New Mexico Energy, Minerals and Natural Resources Department Oil Conservation Division, District 2 811 S. First Street Artesia, NM 88210

Hobbs Field Office New Mexico State Land Office 2827 North Dal Paso Street Suite 117 Hobbs, NM 88240

(Electronic Submission)

Figure 1 Topographic Map

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Figure 2 Aerial Proximity Map

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Figure 3 Site and Sample Location Map

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Table 1Concentrations of BTEX, TPH, and/or Chloride in Soil

.

TABLE 1 CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL													
	Grizzly Energy, LLC												
					mble #4 S								
				-	D Ref. #: r		-						
NMO	CD Closure C	'riteria		10	50 50	111112027-	50145	1,000		2,500	20,000		
	Reclamation			10	50 50	-	-	1,000	-	2,500	600		
	Rechamation	Standard		10 SW 846		-		- 846 8015M I	- Fort	100	4500 Cl		
			6-1	511 040) 8021D			GRO +			4300 CI		
Sample ID	Date	Depth	Soil Status	Benzene	BTEX	GRO C ₆ -C ₁₀	DRO C ₁₀ -C ₂₈	DRO	ORO C ₂₈ -C ₃₆	ТРН С ₆ -С ₃₆	Chloride		
				(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	C ₆ -C ₂₈	(mg/kg)	(mg/kg)	(mg/kg)		
NH1 @ Surface	9/11/2020	Surface	In-Situ	< 0.050	< 0.300	<10.0	<10.0	(mg/kg) <20.0	<10.0	<30.0	64.0		
NH1 @ 1'	9/11/2020		In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0		
EH1 @ Surface				< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0		
EH1 @ 1'	9/11/2020		In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0		
SH1 @ Surface	9/11/2020	Surface	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0		
SH1 @ 1'	9/11/2020	1'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0		
WH1 @ Surface	9/11/2020	Surface	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0		
WH1 @ 1'	9/11/2020	1'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0		
SP1 @ 1' - R	9/11/2020	1' - R	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,330		
SP2 @ 1' - R	9/11/2020	1' - R	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,000		
SP3 @ 2' - R	9/11/2020	2' - R	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,760		
NW-1	11/11/2020	2" - 4"	In-Situ	< 0.050	< 0.300	<10.0	140	140	94.8	235	8,880		
NW-2	11/11/2020	2" - 4"	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,360		
NW-3	11/11/2020	2" - 4"	In-Situ	< 0.050	< 0.300	<10.0	109	109	33.7	143	10,700		
NW-4	11/11/2020	2" - 4"	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	12,400		
SW-1	11/11/2020	2" - 4"	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	19,600		
SW-2	11/11/2020	2" - 4"	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	15,800		
SW-3	11/11/2020	2" - 4"	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	9,330		
SW-4	11/11/2020	2" - 4"	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	13,000		
EW-1	11/11/2020		In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,760		
WW-1	11/11/2020		In-Situ	< 0.050	< 0.300	<10.0	77.5	77.5	12.0	89.5	8,000		
	11/11/2020		In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0		
S PASTURE 2					< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0		
FL-1	11/12/2020		In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	848		
FL-2	11/12/2020	6"	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,200		
FL-3	11/12/2020	6"	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,320		
FL-4	11/12/2020		In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,660		
FL-5	11/12/2020	6"	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,240		
FL-6	11/12/2020	6"	In-Situ	<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,200		
FL-7	11/12/2020	6"	In-Situ	<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,760		
FL-8	11/12/2020	6"	In-Situ	<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,600		
FL-9	11/12/2020	6"	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,280		
FL-10	11/12/2020	6"	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,440		
FL-11	11/12/2020		In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,120		
FL-12	11/12/2020		In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,320		
FL-13	11/12/2020	6"	In-Situ	<0.050	<0.300	<10.0	20.3	20.3	<10.0	20.3	4,720		
FL-14	11/12/2020	6" 4"	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,640		
FL-15	11/12/2020		In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,240		
FL-16	11/12/2020	4"	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,600		
FL-17	11/12/2020		In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,800		
FL-18	11/12/2020	4"	In-Situ	< 0.050	< 0.300	<10.0	10.7	10.7	<10.0	10.7	1,680		

NOTES:

- = Sample not analyzed for that constituent.

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

TABLE 1 CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL												
Grizzly Energy, LLC												
Eddy Humble #4 SWD Tank Battery												
NMOCD Ref. #: nRM2024436143												
NMOCD Closure Criteria 10 50					-	-	1,000	-	2,500	20,000		
NMOCD	Reclamation	Standard		10	50	-	-	-	-	100	600	
				SW 846 8021B		SW 846 8015M Ext.					4500 Cl	
Sample ID	Date	Date Dept	Depth	Depth Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
FL-19	11/12/2020	4"	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,960	
FL-20	11/12/2020	4"	In-Situ	< 0.050	< 0.300	<10.0	168	168	86.4	254	8,400	

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Appendix A Depth to Groundwater Information

Received by OCD: 11/30/2020 7:26:35 AM



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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 replaced, O=orphan C=the file closed)	ned,	n	< I			/ 2=NE est to lar	3=SW 4=S gest) (1	E) NAD83 UTM	in meters)	(In fe	eet)	
POD Number	Code	POD Sub- basin	County	QQQ 64 16 4	-	Tws	Rnø	х	Y	Di	stanceDen	othWellDept		Vater
<u>RA 11857 POD1</u>	cout	RA	ED	1 1 2		18S	26E	577784	3625988	_	1040	235	95	140
									А	Mi	epth to Wate inimum Dep ximum Dep	oth:	95 fee 95 fee 95 fee	et
Record Count: 1														
UTMNAD83 Radiu	s Search <u>(in</u>	meters) <u>:</u>											
Easting (X): 57	7018.53		North	hing (Y):	3626	692.33	3		Radius: 16	510				

8/25/20 12:31 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

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New Mexico Office of the State Engineer Point of Diversion Summary

		(quarters (quarter			NE 3=SV to largest		(NAD83 U	TM in meters)	
Well Tag PO	D Number	Q64 Q	16 Q4	Sec	Tws	Rng	Х	Y	
RA	11857 POD1	1	1 2	05	18S	26E	577784	3625988 🌍	
Driller License:	1064	Driller (Compa	ny:	DEI	FORD	W. MARTI	N	
Driller Name:	MARTIN, DELF	ORD							
Drill Start Date	: 09/25/2012	Drill Fin	ish Da	te:	10	/01/2012	2 Ph	ig Date:	
Log File Date:	10/15/2012	PCW Ro	v Date	:			So	urce:	Shallow
Pump Type:		Pipe Dis	charge	Size	:		Es	timated Yield:	95 GPM
Casing Size:	5.00	Depth W	/ell:		23	5 feet	De	pth Water:	95 feet
Wa	ter Bearing Stratif	ications:	Το	p E	Bottom	Descri	ption		
			9	95	130	Sandst	one/Gravel	/Conglomerate	
			16	50	235	Sandst	one/Gravel	/Conglomerate	
x	Casing Per	forations:	То	рE	Bottom				
			14	10	235				

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, or suitability for any particular purpose of the data.

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POINT OF DIVERSION SUMMARY

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ographic Area: United States

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Groundwater levels for the Nation

Search Results -- 1 sites found

Agency code = usgs site_no list =

• 324633104105401

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 324633104105401 18S.28E.04.32412

Eddy County, New Mexico Latitude 32°46'33", Longitude 104°10'54" NAD27

Land-surface elevation 3,665 feet above NAVD88 This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data	
Tab-separated data	
Graph of data	
Reselect period	

Date	Time	? Water- level date- time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water- level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1985-06-04		D	103.08				2	L	I	U	I 4
1989-02-02		D	107.27				2	L	I	ι	J 4
1994-03-09		D	100.78				2	S		U	J 4
1999-01-13		D	0 102.01				2	S	USG	s s	; <i>4</i>

Explanation							
Section	Code	Description					
Water-level date-time accuracy	D	Date is accurate to the Day					
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot					
Status		The reported water-level measurement represents a static level					
Method of measurement	S	Steel-tape measurement.					
Method of measurement	U	Unknown method.					
Measuring agency		Not determined					
Measuring agency	USGS	U.S. Geological Survey					
Source of measurement	S	Measured by personnel of reporting agency.					
Source of measurement	U	Source is unknown.					
Water-level approval status	А	Approved for publication Processing and review completed.					

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 U.S. Department of the Interior
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 Groundwater for USA:
 Water Levels

 URL:
 https://nwis.waterdata.usgs.gov/nwis/gwlevels?

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 ✓ United States

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Groundwater levels for the Nation

Search Results -- 1 sites found

Agency code = usgs site_no list =

• 324642104111001

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 324642104111001 18S.28E.04.131444

Eddy County, New Mexico

Latitude 32°46'42", Longitude 104°11'10" NAD27 Land-surface elevation 3,640 feet above NGVD29 The depth of the well is 145.00 feet below land surface. This well is completed in the Rustler Formation (312RSLR) local aquifer. **Output formats**

Table of data	
Tab-separated data	
Graph of data	
Reselect period	

Date	Time	? Water- level date- time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water- level accuracy	? Status	? Method of measureme	ent	? Measuring agency	? Source of measurement	? Water- level approval status
1985-06-04		D	109.39			2	:	Z	S		U	А
1990-09-19		D	106.60			2	:	Z	S		U	А
1994-03-09		D	107.65			2	:	Z	S		U	Α

Explanation							
Section	Code	Description					
Water-level date-time accuracy	D	Date is accurate to the Day					
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot					
Status	Z	Other conditions existed that would affect the measured water level (explain in remarks).					
Method of measurement	S	Steel-tape measurement.					
Measuring agency		Not determined					
Source of measurement	U	Source is unknown.					
Water-level approval status	Α	Approved for publication Processing and review completed.					

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Appendix B Field Data and Soil Profile Logs



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Sample Log

9.11.20 Date: Eddy Humble #4 SWD Tank Battery Project: -104.177619 Project Number: 12970 32.775444 Latitude: Longitude: Chloride Conc. GPS Sample ID PID/Odor 2000 NHIDS 1 . . 240

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SP 3 @ 2'-R Nonc 255 'f Nonc 1000	593@sulfuce	light	10496	
	SR3@1	none	2584	
	SP3@2'-R	nome	1000	
Sample Point = SP #1 @ ## etc Test Trench = TT #1 @ ## Resamples= SP #1 @ 5b or SW #1b Floor = FL #1 etc Refusal = SP #1 @ 4'-R Stockpile = Stockpile #1 Sidewall = SW #1 etc Soil Intended to be Deferred = SP #1 @ 4' In-Situ GPS Sample Points, Center of Comp Areas				
Sample Point = SP #1 @ ## etc Test Trench = TT #1 @ ## Resamples= SP #1 @ 5b or SW #1b Floor = FL #1 etc Refusal = SP #1 @ 4'-R Stockpile = Stockpile #1 Sidewall = SW #1 etc Soil Intended to be Deferred = SP #1 @ 4' In-Situ GPS Sample Points, Center of Comp Areas				
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of 98		
32		
Bage	ECH	Solutions, Inc.

Soil Profile

			Date:	9-11-20	
oject: Eddy Humble #4 oject Number:	SWD Tank Battery 12970 Latitude:	32.775444	Longitude:	-104.177619	
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Remediation Log

roject: Eddy Humb	le #4 SWD Tank Bat	tery				
roject Number:	Pending	Latitude:	32.775444	Longitude:	-104.17	7619
					Yes	No
Confirmation of Active	one Call? One Call	No				
Confirmation of On-Sit						
Date:		Note	25		Yd	s
11-10-20	****Begir	Remediation Ac			Out	In
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		****Begin Backfil	Activies***			
			ation Activities***	*		
		•				
					Total	
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					48	-10
					Yes	No
Pictures of Open Excav	vation Prior to Back	fill				
Relevant Information i	in Project Tracker?					

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Sample Log

Date:

11/11/20

Project:	Eddy Humble	#4 SWD Tank Batte	ery
Project Num	ber:	Pending	Latitude:

32.775444 Longitude:

-104.177619

	Sample ID	PID/Odor	Chloride Conc.	GPS
4	5W-1		77,6 8.4 19,928	
	SW-2		77.0 8.0 6056	
	NIN-3		>7.6 7.6 13164	
A	NW-4		77.0 8.6 22392	
	SW-IA		76100 712220 18600	
	NW-4A		76100 712200 15280	
	SPastue 1		184	
	SPASTIL Z		189 5120	
	EW-1		2240	
	WW-I		9480	
	NW-1		10920	
	NW-Z			
	SW-3		5720 10/60	
	5~-4		13400	
	FL-1 6"		1.8.40	
	FL-2 6"		11,720	
	E1-3 6"		3,160	
	FI - 4		7,480	
	FL-5 6"		4 120	
	F1 - 6 - 6''		8,760	
	FL-7 6"		3,160	
	FL 18 6"		6,880	
	FL-9 6"		6, \$\$ 80	
	FL-10 6"		4,120	
	FL-11 6"		4,126	
	FL-12 6"		4,480	
	FL - 13 ("		6,280	
	FL-14 6"		7440	
AM	FL-15 411		6280	
35	FL - 16 41		4,120	
/30/2020 7:26:35	FL - 17 411		4,640	
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Test Trench = TT #1 @ ## Refusal = SP #1 @ 4'-R

Resamples= SP #1 @ 5b or SW #1b Stockpile = Stockpile #1

Floor = FL #1 etc

Sidewall = SW #1 etc

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

GPS Sample Points, Center of Comp Areas

of 98	
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Environmental	& Safety Solutions, Inc.

Soil Profile

				Date: 11	16/2020
	le #4 SWD Tank Ba				
Project Number:	Pending	Latitude:	32.775444	Longitude:	-104.177619
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Appendix C Laboratory Analytical Reports



September 17, 2020

JOEL LOWRY Etech Environmental & Safety Solutions P.O. Box 301 Lovington, NM 88260

RE: EDDY HUMBLE #4 SWD TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 09/11/20 14:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	09/11/2020	Sampling Date:	09/11/2020
Reported:	09/17/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: NH 1 @ SURFACE (H002420-01)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2020	ND	1.99	99.6	2.00	2.10	
Toluene*	<0.050	0.050	09/11/2020	ND	1.94	97.1	2.00	2.11	
Ethylbenzene*	<0.050	0.050	09/11/2020	ND	1.97	98.4	2.00	2.16	
Total Xylenes*	<0.150	0.150	09/11/2020	ND	5.73	95.6	6.00	2.21	
Total BTEX	<0.300	0.300	09/11/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.0	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/14/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2020	ND	175	87.5	200	11.5	
DRO >C10-C28*	<10.0	10.0	09/12/2020	ND	197	98.7	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	09/12/2020	ND					
Surrogate: 1-Chlorooctane	88.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	89.7	% 42.2-15	6						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	09/11/2020	Sampling Date:	09/11/2020
Reported:	09/17/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: NH 1 @ 1' (H002420-02)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2020	ND	1.99	99.6	2.00	2.10	
Toluene*	<0.050	0.050	09/11/2020	ND	1.94	97.1	2.00	2.11	
Ethylbenzene*	<0.050	0.050	09/11/2020	ND	1.97	98.4	2.00	2.16	
Total Xylenes*	<0.150	0.150	09/11/2020	ND	5.73	95.6	6.00	2.21	
Total BTEX	<0.300	0.300	09/11/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.5	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/14/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2020	ND	175	87.5	200	11.5	
DRO >C10-C28*	<10.0	10.0	09/12/2020	ND	197	98.7	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	09/12/2020	ND					
Surrogate: 1-Chlorooctane	103	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	111 9	42.2-15	6						

Cardinal Laboratories

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	09/11/2020	Sampling Date:	09/11/2020
Reported:	09/17/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: EH 1 @ SURFACE (H002420-03)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2020	ND	1.99	99.6	2.00	2.10	
Toluene*	<0.050	0.050	09/11/2020	ND	1.94	97.1	2.00	2.11	
Ethylbenzene*	<0.050	0.050	09/11/2020	ND	1.97	98.4	2.00	2.16	
Total Xylenes*	<0.150	0.150	09/11/2020	ND	5.73	95.6	6.00	2.21	
Total BTEX	<0.300	0.300	09/11/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.0	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/14/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2020	ND	175	87.5	200	11.5	
DRO >C10-C28*	<10.0	10.0	09/12/2020	ND	197	98.7	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	09/12/2020	ND					
Surrogate: 1-Chlorooctane	102 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	107 9	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	09/11/2020	Sampling Date:	09/11/2020
Reported:	09/17/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: EH 1 @ 1' (H002420-04)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2020	ND	1.99	99.6	2.00	2.10	
Toluene*	<0.050	0.050	09/12/2020	ND	1.94	97.1	2.00	2.11	
Ethylbenzene*	<0.050	0.050	09/12/2020	ND	1.97	98.4	2.00	2.16	
Total Xylenes*	<0.150	0.150	09/12/2020	ND	5.73	95.6	6.00	2.21	
Total BTEX	<0.300	0.300	09/12/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.8	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/14/2020	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2020	ND	175	87.5	200	11.5	
DRO >C10-C28*	<10.0	10.0	09/12/2020	ND	197	98.7	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	09/12/2020	ND					
Surrogate: 1-Chlorooctane	94.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	97.9	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	09/11/2020	Sampling Date:	09/11/2020
Reported:	09/17/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: SH 1 @ SURFACE (H002420-05)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2020	ND	1.99	99.6	2.00	2.10	
Toluene*	<0.050	0.050	09/12/2020	ND	1.94	97.1	2.00	2.11	
Ethylbenzene*	<0.050	0.050	09/12/2020	ND	1.97	98.4	2.00	2.16	
Total Xylenes*	<0.150	0.150	09/12/2020	ND	5.73	95.6	6.00	2.21	
Total BTEX	<0.300	0.300	09/12/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.2	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/14/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2020	ND	175	87.5	200	11.5	
DRO >C10-C28*	<10.0	10.0	09/12/2020	ND	197	98.7	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	09/12/2020	ND					
Surrogate: 1-Chlorooctane	92.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	96.7	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	09/11/2020	Sampling Date:	09/11/2020
Reported:	09/17/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: SH 1 @ 1' (H002420-06)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2020	ND	1.99	99.6	2.00	2.10	
Toluene*	<0.050	0.050	09/12/2020	ND	1.94	97.1	2.00	2.11	
Ethylbenzene*	<0.050	0.050	09/12/2020	ND	1.97	98.4	2.00	2.16	
Total Xylenes*	<0.150	0.150	09/12/2020	ND	5.73	95.6	6.00	2.21	
Total BTEX	<0.300	0.300	09/12/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.1	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/14/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2020	ND	175	87.5	200	11.5	
DRO >C10-C28*	<10.0	10.0	09/12/2020	ND	197	98.7	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	09/12/2020	ND					
Surrogate: 1-Chlorooctane	92.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	97.7	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	09/11/2020	Sampling Date:	09/11/2020
Reported:	09/17/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: WH 1 @ SURFACE (H002420-07)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2020	ND	1.99	99.6	2.00	2.10	
Toluene*	<0.050	0.050	09/12/2020	ND	1.94	97.1	2.00	2.11	
Ethylbenzene*	<0.050	0.050	09/12/2020	ND	1.97	98.4	2.00	2.16	
Total Xylenes*	<0.150	0.150	09/12/2020	ND	5.73	95.6	6.00	2.21	
Total BTEX	<0.300	0.300	09/12/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.0	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/14/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2020	ND	175	87.5	200	11.5	
DRO >C10-C28*	<10.0	10.0	09/12/2020	ND	197	98.7	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	09/12/2020	ND					
Surrogate: 1-Chlorooctane	94.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	95.7	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	09/11/2020	Sampling Date:	09/11/2020
Reported:	09/17/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: WH 1 @ 1' (H002420-08)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2020	ND	1.99	99.6	2.00	2.10	
Toluene*	<0.050	0.050	09/12/2020	ND	1.94	97.1	2.00	2.11	
Ethylbenzene*	<0.050	0.050	09/12/2020	ND	1.97	98.4	2.00	2.16	
Total Xylenes*	<0.150	0.150	09/12/2020	ND	5.73	95.6	6.00	2.21	
Total BTEX	<0.300	0.300	09/12/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.2	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/14/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2020	ND	175	87.5	200	11.5	
DRO >C10-C28*	<10.0	10.0	09/12/2020	ND	197	98.7	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	09/12/2020	ND					
Surrogate: 1-Chlorooctane	106	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	112 9	42.2-15	6						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	09/11/2020	Sampling Date:	09/11/2020
Reported:	09/17/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: SP 1 @ 1' - R (H002420-09)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2020	ND	1.99	99.6	2.00	2.10	
Toluene*	<0.050	0.050	09/12/2020	ND	1.94	97.1	2.00	2.11	
Ethylbenzene*	<0.050	0.050	09/12/2020	ND	1.97	98.4	2.00	2.16	
Total Xylenes*	<0.150	0.150	09/12/2020	ND	5.73	95.6	6.00	2.21	
Total BTEX	<0.300	0.300	09/12/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.1	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7330	16.0	09/14/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2020	ND	175	87.5	200	11.5	
DRO >C10-C28*	<10.0	10.0	09/12/2020	ND	197	98.7	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	09/12/2020	ND					
Surrogate: 1-Chlorooctane	102	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	107 :	% 42.2-15	6						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	09/11/2020	Sampling Date:	09/11/2020
Reported:	09/17/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: SP 2 @ 1' - R (H002420-10)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2020	ND	1.99	99.6	2.00	2.10	
Toluene*	<0.050	0.050	09/12/2020	ND	1.94	97.1	2.00	2.11	
Ethylbenzene*	<0.050	0.050	09/12/2020	ND	1.97	98.4	2.00	2.16	
Total Xylenes*	<0.150	0.150	09/12/2020	ND	5.73	95.6	6.00	2.21	
Total BTEX	<0.300	0.300	09/12/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.4	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8000	16.0	09/14/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2020	ND	175	87.5	200	11.5	
DRO >C10-C28*	<10.0	10.0	09/12/2020	ND	197	98.7	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	09/12/2020	ND					
Surrogate: 1-Chlorooctane	102	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	105	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	09/11/2020	Sampling Date:	09/11/2020
Reported:	09/17/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: SP 3 @ 2' - R (H002420-11)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2020	ND	1.99	99.6	2.00	2.10	
Toluene*	<0.050	0.050	09/12/2020	ND	1.94	97.1	2.00	2.11	
Ethylbenzene*	<0.050	0.050	09/12/2020	ND	1.97	98.4	2.00	2.16	
Total Xylenes*	<0.150	0.150	09/12/2020	ND	5.73	95.6	6.00	2.21	
Total BTEX	<0.300	0.300	09/12/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.7	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	09/14/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2020	ND	175	87.5	200	11.5	
DRO >C10-C28*	<10.0	10.0	09/12/2020	ND	197	98.7	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	09/12/2020	ND					
Surrogate: 1-Chlorooctane	97.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	100	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose site to the services interruptors, loss of profits incurred by client, its subsidiaries, afflictes or successor arising out of or related to the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

Company Name:	: Grizzly Energy, LLC				XXX.		B	ILL TO					ANALY	SIS REC	QUEST		
Project Manager	r: Joel Lowry				P.	0. #:											
Address: 310	0 Plains Hwy				c	ompa	iny:	Grizzly									
City: Lovingto	on State:	NM Zip	:	88260	A	Attn: Carmen Pitt											
Phone #: 575	-396-2378 Fax #:	575-396-1429			A	ddres	ss:										
Project #: 129	70 Project	Owner:	Griz	zly Energy, LLC	c	ity:											
Project Name:	Eddy Humble #4 SWD Tank	Battery			S	tate:	NM	Zip:									
Project Location	n: Rural Eddy, Co				Р	hone	#:										
Sampler Name:		Miguel Ramirez			F	ax #:											
FOR LAB USE ONLY		0		MATRIX	_	PR	ESERV	SAMPLIN	G							1 1	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL	SLUDGE	ACID/BASE:	ICE / COOL OTHER :	DATE	TIME	Chloride	ТРН	BTEX 8021					
1	NHI@ Surface	G	1	X		Т	7	9.11.20		x	K	K				-	
Z	NHIQI	9	1	1			×	9.11.20		X	X	X					-
3	EHI@ surface	G	1	N			4	9.11.20		X	X	X					
4	EHIQI	6	1	X			X	9-11.20		X	X	X					
5	SHE SUSFace	G	ſ	X			X	9.11.20		X	X	K					
4	SHIQI	G	1	K			X	9.11.20		X	X	X				_	
2	WHICosurface	6	(X	-	-	X	9.11.20		X	X	X					
8	WHIQI	G	1	X	_	-	x	9.11.20	-	X	X	X		_			
9	SPIQI-R	G	1	X	-	-	X	9-11-20		X	X	7					
	582@1-12																

	Date: 9-11-20 Recei	ived By	MIII	Phone Result: Fax Result:	Yes Yes		Add'l Phone #: Add'l Fax #:	
10 mg par	Date: Recent	Junara I	Aldabert	REMARKS:	Email res	sults to	joel@etechenv.com	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 5	5.3° #113	Sample Condition Cool Intact Tes Tes No No	CHECKED BY: (Initials)					

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476 FORM-006 R 2.0

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

Company Name:		ions	, Inc	2.				2	2	2	BIL	LTO						ANAL	YSIS	RE	QUE	ST			
Project Manager	: Joel Lowry						-	P.	0. #							1					1				T
Address: P.O.	. Box 301							Co	mp	any	: G	rizzly													
City: Lovingto	State: NM	Zip:	88	260				Attn: Carmon Pitt																	
	5) 396-2378 Fax #: (575) 39	96-1	429					Address:																	
Project #:	12970 Project Owner	: G.	rizi	zly	En	ergy	1	City:																	
Project Name: 6	Eddy Wumble # 4 SWD Ta	ni	Bo	th	in	. ,		St	ate:			Zip:		e	5M)	21B									
Project Location	12970 Project Owner Eddy Humble # 4 Swb Ta n: Rural Eddy, co, Migui Ramina							Ph	one	#:				Chloride	TPH (8015M)	BTEX (8021B)									
Sampler Name:	Miggi Ramina								x #:					CH	H	EX									
R LAB USE ONLY	,				N	ATR	IX		PR	ESE	RV.	SAMPLI	NG		14	BT									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLIDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME												No.
11	SP3-2'-R	G	1			X				X		9.11.20		X	X	X									
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analyses. All claims: includi service. In no event shall C affiliates or successors arisi Relinquished Br Relinquished Br Delivered By	9-11-20 Time: 9-11-20 Time: 9405 Pate: Time: : (Circle One) - Bus - Other: 5.3 c #	Re	ed waiv ut limit d, rega ecei	ved unitation, ardless ved ved	By: By: Sam	ade in w ss intern ether su	inting a uption the claim	ition	eived b of use. ised up	CH	dinal w s of pro y of the	ithin 30 days atte offis incurred by i a above stated re function of the stated re ED BY: [a:(5)	er completion of client, its subsidia	the applica aries. ise. esult: S:		es	□ No □ No pm@et	Add'l P Add'l F	ax #:						

Received by OCD: 11/30/2020 7:26:35 AM



November 13, 2020

JOEL LOWRY Etech Environmental & Safety Solutions P.O. Box 301 Lovington, NM 88260

RE: EDDY HUMBLE #4 SWD TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/12/20 15:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	11/12/2020	Sampling Date:	11/11/2020
Reported:	11/13/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: NW - 1 (H003013-01)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2020	ND	1.94	96.9	2.00	4.34	
Toluene*	<0.050	0.050	11/12/2020	ND	1.87	93.4	2.00	4.60	
Ethylbenzene*	<0.050	0.050	11/12/2020	ND	1.96	98.1	2.00	5.19	
Total Xylenes*	<0.150	0.150	11/12/2020	ND	5.61	93.5	6.00	4.92	
Total BTEX	<0.300	0.300	11/12/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8880	16.0	11/13/2020	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/12/2020	ND	183	91.5	200	14.4	
DRO >C10-C28*	140	10.0	11/12/2020	ND	171	85.5	200	30.0	
EXT DRO >C28-C36	94.8	10.0	11/12/2020	ND					
Surrogate: 1-Chlorooctane	83.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	97.9	% 42.2-15	6						

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*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	11/12/2020	Sampling Date:	11/11/2020
Reported:	11/13/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: NW - 2 (H003013-02)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2020	ND	1.94	96.9	2.00	4.34	
Toluene*	<0.050	0.050	11/12/2020	ND	1.87	93.4	2.00	4.60	
Ethylbenzene*	<0.050	0.050	11/12/2020	ND	1.96	98.1	2.00	5.19	
Total Xylenes*	<0.150	0.150	11/12/2020	ND	5.61	93.5	6.00	4.92	
Total BTEX	<0.300	0.300	11/12/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4360	16.0	11/13/2020	ND	400	100	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/12/2020	ND	183	91.5	200	14.4	
DRO >C10-C28*	<10.0	10.0	11/12/2020	ND	171	85.5	200	30.0	
EXT DRO >C28-C36	<10.0	10.0	11/12/2020	ND					
Surrogate: 1-Chlorooctane	88.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	94.3	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	11/12/2020	Sampling Date:	11/11/2020
Reported:	11/13/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: NW - 3 (H003013-03)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2020	ND	1.94	96.9	2.00	4.34	
Toluene*	<0.050	0.050	11/12/2020	ND	1.87	93.4	2.00	4.60	
Ethylbenzene*	<0.050	0.050	11/12/2020	ND	1.96	98.1	2.00	5.19	
Total Xylenes*	<0.150	0.150	11/12/2020	ND	5.61	93.5	6.00	4.92	
Total BTEX	<0.300	0.300	11/12/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10700	16.0	11/13/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/12/2020	ND	183	91.5	200	14.4	
DRO >C10-C28*	109	10.0	11/12/2020	ND	171	85.5	200	30.0	
EXT DRO >C28-C36	33.7	10.0	11/12/2020	ND					
Surrogate: 1-Chlorooctane	94.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	113 9	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	11/12/2020	Sampling Date:	11/11/2020
Reported:	11/13/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: NW - 4 (H003013-04)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2020	ND	1.94	96.9	2.00	4.34	
Toluene*	<0.050	0.050	11/12/2020	ND	1.87	93.4	2.00	4.60	
Ethylbenzene*	<0.050	0.050	11/12/2020	ND	1.96	98.1	2.00	5.19	
Total Xylenes*	<0.150	0.150	11/12/2020	ND	5.61	93.5	6.00	4.92	
Total BTEX	<0.300	0.300	11/12/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12400	16.0	11/13/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/12/2020	ND	183	91.5	200	14.4	
DRO >C10-C28*	<10.0	10.0	11/12/2020	ND	171	85.5	200	30.0	
EXT DRO >C28-C36	<10.0	10.0	11/12/2020	ND					
Surrogate: 1-Chlorooctane	93.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	102	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	11/12/2020	Sampling Date:	11/11/2020
Reported:	11/13/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: SW - 1 (H003013-05)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2020	ND	1.94	96.9	2.00	4.34	
Toluene*	<0.050	0.050	11/12/2020	ND	1.87	93.4	2.00	4.60	
Ethylbenzene*	<0.050	0.050	11/12/2020	ND	1.96	98.1	2.00	5.19	
Total Xylenes*	<0.150	0.150	11/12/2020	ND	5.61	93.5	6.00	4.92	
Total BTEX	<0.300	0.300	11/12/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	19600	16.0	11/13/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/12/2020	ND	183	91.5	200	14.4	
DRO >C10-C28*	<10.0	10.0	11/12/2020	ND	171	85.5	200	30.0	
EXT DRO >C28-C36	<10.0	10.0	11/12/2020	ND					
Surrogate: 1-Chlorooctane	93.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	101	% 42.2-15	6						

Cardinal Laboratories

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	11/12/2020	Sampling Date:	11/11/2020
Reported:	11/13/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: SW - 2 (H003013-06)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2020	ND	1.94	96.9	2.00	4.34	
Toluene*	<0.050	0.050	11/12/2020	ND	1.87	93.4	2.00	4.60	
Ethylbenzene*	<0.050	0.050	11/12/2020	ND	1.96	98.1	2.00	5.19	
Total Xylenes*	<0.150	0.150	11/12/2020	ND	5.61	93.5	6.00	4.92	
Total BTEX	<0.300	0.300	11/12/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15800	16.0	11/13/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/12/2020	ND	183	91.5	200	14.4	
DRO >C10-C28*	<10.0	10.0	11/12/2020	ND	171	85.5	200	30.0	
EXT DRO >C28-C36	<10.0	10.0	11/12/2020	ND					
Surrogate: 1-Chlorooctane	88.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	96.7	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	11/12/2020	Sampling Date:	11/11/2020
Reported:	11/13/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: SW - 3 (H003013-07)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2020	ND	1.94	96.9	2.00	4.34	
Toluene*	<0.050	0.050	11/12/2020	ND	1.87	93.4	2.00	4.60	
Ethylbenzene*	<0.050	0.050	11/12/2020	ND	1.96	98.1	2.00	5.19	
Total Xylenes*	<0.150	0.150	11/12/2020	ND	5.61	93.5	6.00	4.92	
Total BTEX	<0.300	0.300	11/12/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9330	16.0	11/13/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/12/2020	ND	183	91.5	200	14.4	
DRO >C10-C28*	<10.0	10.0	11/12/2020	ND	171	85.5	200	30.0	
EXT DRO >C28-C36	<10.0	10.0	11/12/2020	ND					
Surrogate: 1-Chlorooctane	92.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	102	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	11/12/2020	Sampling Date:	11/11/2020
Reported:	11/13/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: SW - 4 (H003013-08)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2020	ND	1.94	96.9	2.00	4.34	
Toluene*	<0.050	0.050	11/12/2020	ND	1.87	93.4	2.00	4.60	
Ethylbenzene*	<0.050	0.050	11/12/2020	ND	1.96	98.1	2.00	5.19	
Total Xylenes*	<0.150	0.150	11/12/2020	ND	5.61	93.5	6.00	4.92	
Total BTEX	<0.300	0.300	11/12/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13000	16.0	11/13/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/12/2020	ND	183	91.5	200	14.4	
DRO >C10-C28*	<10.0	10.0	11/12/2020	ND	171	85.5	200	30.0	
EXT DRO >C28-C36	<10.0	10.0	11/12/2020	ND					
Surrogate: 1-Chlorooctane	88.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	96.3	% 42.2-15	6						

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Received:	11/12/2020	Sampling Date:	11/11/2020
Reported:	11/13/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: EW - 1 (H003013-09)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2020	ND	1.94	96.9	2.00	4.34	
Toluene*	<0.050	0.050	11/12/2020	ND	1.87	93.4	2.00	4.60	
Ethylbenzene*	<0.050	0.050	11/12/2020	ND	1.96	98.1	2.00	5.19	
Total Xylenes*	<0.150	0.150	11/12/2020	ND	5.61	93.5	6.00	4.92	
Total BTEX	<0.300	0.300	11/12/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2760	16.0	11/13/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/12/2020	ND	183	91.5	200	14.4	
DRO >C10-C28*	<10.0	10.0	11/12/2020	ND	171	85.5	200	30.0	
EXT DRO >C28-C36	<10.0	10.0	11/12/2020	ND					
Surrogate: 1-Chlorooctane	91.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	99.5	% 42.2-15	6						

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Received:	11/12/2020	Sampling Date:	11/11/2020
Reported:	11/13/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: WW - 1 (H003013-10)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2020	ND	1.94	96.9	2.00	4.34	
Toluene*	<0.050	0.050	11/12/2020	ND	1.87	93.4	2.00	4.60	
Ethylbenzene*	<0.050	0.050	11/12/2020	ND	1.96	98.1	2.00	5.19	
Total Xylenes*	<0.150	0.150	11/12/2020	ND	5.61	93.5	6.00	4.92	
Total BTEX	<0.300	0.300	11/12/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8000	16.0	11/13/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/12/2020	ND	183	91.5	200	14.4	
DRO >C10-C28*	77.5	10.0	11/12/2020	ND	171	85.5	200	30.0	
EXT DRO >C28-C36	12.0	10.0	11/12/2020	ND					
Surrogate: 1-Chlorooctane	86.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	103	% 42.2-15	6						

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Received:	11/12/2020	Sampling Date:	11/11/2020
Reported:	11/13/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: S PASTURE 1 (H003013-11)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2020	ND	1.94	96.9	2.00	4.34	
Toluene*	<0.050	0.050	11/12/2020	ND	1.87	93.4	2.00	4.60	
Ethylbenzene*	<0.050	0.050	11/12/2020	ND	1.96	98.1	2.00	5.19	
Total Xylenes*	<0.150	0.150	11/12/2020	ND	5.61	93.5	6.00	4.92	
Total BTEX	<0.300	0.300	11/12/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/13/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/12/2020	ND	183	91.5	200	14.4	
DRO >C10-C28*	<10.0	10.0	11/12/2020	ND	171	85.5	200	30.0	
EXT DRO >C28-C36	<10.0	10.0	11/12/2020	ND					
Surrogate: 1-Chlorooctane	72.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	78.1	% 42.2-15	6						

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Received:	11/12/2020	Sampling Date:	11/11/2020
Reported:	11/13/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: S PASTURE 2 (H003013-12)

BTEX 8021B	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2020	ND	1.94	96.9	2.00	4.34	
Toluene*	<0.050	0.050	11/12/2020	ND	1.87	93.4	2.00	4.60	
Ethylbenzene*	<0.050	0.050	11/12/2020	ND	1.96	98.1	2.00	5.19	
Total Xylenes*	<0.150	0.150	11/12/2020	ND	5.61	93.5	6.00	4.92	
Total BTEX	<0.300	0.300	11/12/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/13/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/12/2020	ND	183	91.5	200	14.4	
DRO >C10-C28*	<10.0	10.0	11/12/2020	ND	171	85.5	200	30.0	
EXT DRO >C28-C36	<10.0	10.0	11/12/2020	ND					
Surrogate: 1-Chlorooctane	73.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	77.1	% 42.2-15	6						

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Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	11/12/2020	Sampling Date:	11/12/2020
Reported:	11/13/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: FL - 1 (H003013-13)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2020	ND	1.94	96.9	2.00	4.34	
Toluene*	<0.050	0.050	11/12/2020	ND	1.87	93.4	2.00	4.60	
Ethylbenzene*	<0.050	0.050	11/12/2020	ND	1.96	98.1	2.00	5.19	
Total Xylenes*	<0.150	0.150	11/12/2020	ND	5.61	93.5	6.00	4.92	
Total BTEX	<0.300	0.300	11/12/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	11/13/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/12/2020	ND	183	91.5	200	14.4	
DRO >C10-C28*	<10.0	10.0	11/12/2020	ND	171	85.5	200	30.0	
EXT DRO >C28-C36	<10.0	10.0	11/12/2020	ND					
Surrogate: 1-Chlorooctane	65.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	69.7	% 42.2-15	6						

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Received:	11/12/2020	Sampling Date:	11/12/2020
Reported:	11/13/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: FL - 2 (H003013-14)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2020	ND	1.94	96.9	2.00	4.34	
Toluene*	<0.050	0.050	11/12/2020	ND	1.87	93.4	2.00	4.60	
Ethylbenzene*	<0.050	0.050	11/12/2020	ND	1.96	98.1	2.00	5.19	
Total Xylenes*	<0.150	0.150	11/12/2020	ND	5.61	93.5	6.00	4.92	
Total BTEX	<0.300	0.300	11/12/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7200	16.0	11/13/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/12/2020	ND	183	91.5	200	14.4	
DRO >C10-C28*	<10.0	10.0	11/12/2020	ND	171	85.5	200	30.0	
EXT DRO >C28-C36	<10.0	10.0	11/12/2020	ND					
Surrogate: 1-Chlorooctane	75.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	82.9	% 42.2-15	6						

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Received:	11/12/2020	Sampling Date:	11/12/2020
Reported:	11/13/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: FL - 3 (H003013-15)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2020	ND	1.94	96.9	2.00	4.34	
Toluene*	<0.050	0.050	11/12/2020	ND	1.87	93.4	2.00	4.60	
Ethylbenzene*	<0.050	0.050	11/12/2020	ND	1.96	98.1	2.00	5.19	
Total Xylenes*	<0.150	0.150	11/12/2020	ND	5.61	93.5	6.00	4.92	
Total BTEX	<0.300	0.300	11/12/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	mg/kg Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3320	16.0	11/13/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/12/2020	ND	183	91.5	200	14.4	
DRO >C10-C28*	<10.0	10.0	11/12/2020	ND	171	85.5	200	30.0	
EXT DRO >C28-C36	<10.0	10.0	11/12/2020	ND					
Surrogate: 1-Chlorooctane	72.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	76.2	% 42.2-15	6						

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Received:	11/12/2020	Sampling Date:	11/12/2020
Reported:	11/13/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: FL - 4 (H003013-16)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2020	ND	1.94	96.9	2.00	4.34	
Toluene*	<0.050	0.050	11/12/2020	ND	1.87	93.4	2.00	4.60	
Ethylbenzene*	<0.050	0.050	11/12/2020	ND	1.96	98.1	2.00	5.19	
Total Xylenes*	<0.150	0.150	11/12/2020	ND	5.61	93.5	6.00	4.92	
Total BTEX	<0.300	0.300	11/12/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6660	16.0	11/13/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/12/2020	ND	183	91.5	200	14.4	
DRO >C10-C28*	<10.0	10.0	11/12/2020	ND	171	85.5	200	30.0	
EXT DRO >C28-C36	<10.0	10.0	11/12/2020	ND					
Surrogate: 1-Chlorooctane	75.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	80.5	% 42.2-15	6						

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Received:	11/12/2020	Sampling Date:	11/12/2020
Reported:	11/13/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: FL - 5 (H003013-17)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2020	ND	1.94	96.9	2.00	4.34	
Toluene*	<0.050	0.050	11/12/2020	ND	1.87	93.4	2.00	4.60	
Ethylbenzene*	<0.050	0.050	11/12/2020	ND	1.96	98.1	2.00	5.19	
Total Xylenes*	<0.150	0.150	11/12/2020	ND	5.61	93.5	6.00	4.92	
Total BTEX	<0.300	0.300	11/12/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4240	16.0	11/13/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2020	ND	183	91.5	200	14.4	
DRO >C10-C28*	<10.0	10.0	11/13/2020	ND	171	85.5	200	30.0	
EXT DRO >C28-C36	<10.0	10.0	11/13/2020	ND					
Surrogate: 1-Chlorooctane	74.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	79.9	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	11/12/2020	Sampling Date:	11/12/2020
Reported:	11/13/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: FL - 6 (H003013-18)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2020	ND	1.94	96.9	2.00	4.34	
Toluene*	<0.050	0.050	11/12/2020	ND	1.87	93.4	2.00	4.60	
Ethylbenzene*	<0.050	0.050	11/12/2020	ND	1.96	98.1	2.00	5.19	
Total Xylenes*	<0.150	0.150	11/12/2020	ND	5.61	93.5	6.00	4.92	
Total BTEX	<0.300	0.300	11/12/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7200	16.0	11/13/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2020	ND	183	91.5	200	14.4	
DRO >C10-C28*	<10.0	10.0	11/13/2020	ND	171	85.5	200	30.0	
EXT DRO >C28-C36	<10.0	10.0	11/13/2020	ND					
Surrogate: 1-Chlorooctane	77.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	85.9	% 42.2-15	6						

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Received:	11/12/2020	Sampling Date:	11/12/2020
Reported:	11/13/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: FL - 7 (H003013-19)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2020	ND	1.94	96.9	2.00	4.34	
Toluene*	<0.050	0.050	11/12/2020	ND	1.87	93.4	2.00	4.60	
Ethylbenzene*	<0.050	0.050	11/12/2020	ND	1.96	98.1	2.00	5.19	
Total Xylenes*	<0.150	0.150	11/12/2020	ND	5.61	93.5	6.00	4.92	
Total BTEX	<0.300	0.300	11/12/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2760	16.0	11/13/2020	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2020	ND	183	91.5	200	14.4	
DRO >C10-C28*	<10.0	10.0	11/13/2020	ND	171	85.5	200	30.0	
EXT DRO >C28-C36	<10.0	10.0	11/13/2020	ND					
Surrogate: 1-Chlorooctane	76.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	82.4	% 42.2-15	6						

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Received:	11/12/2020	Sampling Date:	11/12/2020
Reported:	11/13/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: FL - 8 (H003013-20)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2020	ND	1.94	96.9	2.00	4.34	
Toluene*	<0.050	0.050	11/12/2020	ND	1.87	93.4	2.00	4.60	
Ethylbenzene*	<0.050	0.050	11/12/2020	ND	1.96	98.1	2.00	5.19	
Total Xylenes*	<0.150	0.150	11/12/2020	ND	5.61	93.5	6.00	4.92	
Total BTEX	<0.300	0.300	11/12/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5600	16.0	11/13/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2020	ND	183	91.3	200	13.7	
DRO >C10-C28*	<10.0	10.0	11/13/2020	ND	180	89.9	200	22.3	
EXT DRO >C28-C36	<10.0	10.0	11/13/2020	ND					
Surrogate: 1-Chlorooctane	78.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	83.4	% 42.2-15	6						

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Received:	11/12/2020	Sampling Date:	11/12/2020
Reported:	11/13/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: FL - 9 (H003013-21)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2020	ND	2.03	101	2.00	3.04	
Toluene*	<0.050	0.050	11/13/2020	ND	1.95	97.7	2.00	2.63	
Ethylbenzene*	<0.050	0.050	11/13/2020	ND	2.05	103	2.00	2.75	
Total Xylenes*	<0.150	0.150	11/13/2020	ND	5.86	97.6	6.00	2.61	
Total BTEX	<0.300	0.300	11/13/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5280	16.0	11/13/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2020	ND	183	91.3	200	13.7	
DRO >C10-C28*	<10.0	10.0	11/13/2020	ND	180	89.9	200	22.3	
EXT DRO >C28-C36	<10.0	10.0	11/13/2020	ND					
Surrogate: 1-Chlorooctane	78.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	83.7	% 42.2-15	6						

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Received:	11/12/2020	Sampling Date:	11/12/2020
Reported:	11/13/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: FL - 10 (H003013-22)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2020	ND	2.03	101	2.00	3.04	
Toluene*	<0.050	0.050	11/13/2020	ND	1.95	97.7	2.00	2.63	
Ethylbenzene*	<0.050	0.050	11/13/2020	ND	2.05	103	2.00	2.75	
Total Xylenes*	<0.150	0.150	11/13/2020	ND	5.86	97.6	6.00	2.61	
Total BTEX	<0.300	0.300	11/13/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2440	16.0	11/13/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2020	ND	183	91.3	200	13.7	
DRO >C10-C28*	<10.0	10.0	11/13/2020	ND	180	89.9	200	22.3	
EXT DRO >C28-C36	<10.0	10.0	11/13/2020	ND					
Surrogate: 1-Chlorooctane	72.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	80.1	% 42.2-15	6						

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Received:	11/12/2020	Sampling Date:	11/12/2020
Reported:	11/13/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: FL - 11 (H003013-23)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2020	ND	2.03	101	2.00	3.04	
Toluene*	<0.050	0.050	11/13/2020	ND	1.95	97.7	2.00	2.63	
Ethylbenzene*	<0.050	0.050	11/13/2020	ND	2.05	103	2.00	2.75	
Total Xylenes*	<0.150	0.150	11/13/2020	ND	5.86	97.6	6.00	2.61	
Total BTEX	<0.300	0.300	11/13/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3120	16.0	11/13/2020	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2020	ND	183	91.3	200	13.7	
DRO >C10-C28*	<10.0	10.0	11/13/2020	ND	180	89.9	200	22.3	
EXT DRO >C28-C36	<10.0	10.0	11/13/2020	ND					
Surrogate: 1-Chlorooctane	79.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	84.8	% 42.2-15	6						

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Received:	11/12/2020	Sampling Date:	11/12/2020
Reported:	11/13/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: FL - 12 (H003013-24)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2020	ND	2.03	101	2.00	3.04	
Toluene*	<0.050	0.050	11/13/2020	ND	1.95	97.7	2.00	2.63	
Ethylbenzene*	<0.050	0.050	11/13/2020	ND	2.05	103	2.00	2.75	
Total Xylenes*	<0.150	0.150	11/13/2020	ND	5.86	97.6	6.00	2.61	
Total BTEX	<0.300	0.300	11/13/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4320	16.0	11/13/2020	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2020	ND	183	91.3	200	13.7	
DRO >C10-C28*	<10.0	10.0	11/13/2020	ND	180	89.9	200	22.3	
EXT DRO >C28-C36	<10.0	10.0	11/13/2020	ND					
Surrogate: 1-Chlorooctane	76.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	82.2	% 42.2-15	6						

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Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	11/12/2020	Sampling Date:	11/12/2020
Reported:	11/13/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: FL - 13 (H003013-25)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2020	ND	2.03	101	2.00	3.04	
Toluene*	<0.050	0.050	11/13/2020	ND	1.95	97.7	2.00	2.63	
Ethylbenzene*	<0.050	0.050	11/13/2020	ND	2.05	103	2.00	2.75	
Total Xylenes*	<0.150	0.150	11/13/2020	ND	5.86	97.6	6.00	2.61	
Total BTEX	<0.300	0.300	11/13/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4720	16.0	11/13/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2020	ND	183	91.3	200	13.7	
DRO >C10-C28*	20.3	10.0	11/13/2020	ND	180	89.9	200	22.3	
EXT DRO >C28-C36	<10.0	10.0	11/13/2020	ND					
Surrogate: 1-Chlorooctane	79.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	87.1	% 42.2-15	6						

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Received:	11/12/2020	Sampling Date:	11/12/2020
Reported:	11/13/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: FL - 14 (H003013-26)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2020	ND	2.03	101	2.00	3.04	
Toluene*	<0.050	0.050	11/13/2020	ND	1.95	97.7	2.00	2.63	
Ethylbenzene*	<0.050	0.050	11/13/2020	ND	2.05	103	2.00	2.75	
Total Xylenes*	<0.150	0.150	11/13/2020	ND	5.86	97.6	6.00	2.61	
Total BTEX	<0.300	0.300	11/13/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3640	16.0	11/13/2020	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2020	ND	183	91.3	200	13.7	
DRO >C10-C28*	<10.0	10.0	11/13/2020	ND	180	89.9	200	22.3	
EXT DRO >C28-C36	<10.0	10.0	11/13/2020	ND					
Surrogate: 1-Chlorooctane	79.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	84.3	% 42.2-15	6						

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Received:	11/12/2020	Sampling Date:	11/12/2020
Reported:	11/13/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: FL - 15 (H003013-27)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2020	ND	2.03	101	2.00	3.04	
Toluene*	<0.050	0.050	11/13/2020	ND	1.95	97.7	2.00	2.63	
Ethylbenzene*	<0.050	0.050	11/13/2020	ND	2.05	103	2.00	2.75	
Total Xylenes*	<0.150	0.150	11/13/2020	ND	5.86	97.6	6.00	2.61	
Total BTEX	<0.300	0.300	11/13/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4240	16.0	11/13/2020	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2020	ND	183	91.3	200	13.7	
DRO >C10-C28*	<10.0	10.0	11/13/2020	ND	180	89.9	200	22.3	
EXT DRO >C28-C36	<10.0	10.0	11/13/2020	ND					
Surrogate: 1-Chlorooctane	80.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	85.9	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	11/12/2020	Sampling Date:	11/12/2020
Reported:	11/13/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: FL - 16 (H003013-28)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2020	ND	2.03	101	2.00	3.04	
Toluene*	<0.050	0.050	11/13/2020	ND	1.95	97.7	2.00	2.63	
Ethylbenzene*	<0.050	0.050	11/13/2020	ND	2.05	103	2.00	2.75	
Total Xylenes*	<0.150	0.150	11/13/2020	ND	5.86	97.6	6.00	2.61	
Total BTEX	<0.300	0.300	11/13/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	11/13/2020	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2020	ND	183	91.3	200	13.7	
DRO >C10-C28*	<10.0	10.0	11/13/2020	ND	180	89.9	200	22.3	
EXT DRO >C28-C36	<10.0	10.0	11/13/2020	ND					
Surrogate: 1-Chlorooctane	81.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	87.1	% 42.2-15	6						

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Received:	11/12/2020	Sampling Date:	11/12/2020
Reported:	11/13/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: FL - 17 (H003013-29)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2020	ND	2.03	101	2.00	3.04	
Toluene*	<0.050	0.050	11/13/2020	ND	1.95	97.7	2.00	2.63	
Ethylbenzene*	<0.050	0.050	11/13/2020	ND	2.05	103	2.00	2.75	
Total Xylenes*	<0.150	0.150	11/13/2020	ND	5.86	97.6	6.00	2.61	
Total BTEX	<0.300	0.300	11/13/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	11/13/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2020	ND	183	91.3	200	13.7	
DRO >C10-C28*	<10.0	10.0	11/13/2020	ND	180	89.9	200	22.3	
EXT DRO >C28-C36	<10.0	10.0	11/13/2020	ND					
Surrogate: 1-Chlorooctane	82.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	88.9	% 42.2-15	6						

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Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	11/12/2020	Sampling Date:	11/12/2020
Reported:	11/13/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: FL - 18 (H003013-30)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2020	ND	2.03	101	2.00	3.04	
Toluene*	<0.050	0.050	11/13/2020	ND	1.95	97.7	2.00	2.63	
Ethylbenzene*	<0.050	0.050	11/13/2020	ND	2.05	103	2.00	2.75	
Total Xylenes*	<0.150	0.150	11/13/2020	ND	5.86	97.6	6.00	2.61	
Total BTEX	<0.300	0.300	11/13/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1680	16.0	11/13/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2020	ND	183	91.3	200	13.7	
DRO >C10-C28*	10.7	10.0	11/13/2020	ND	180	89.9	200	22.3	
EXT DRO >C28-C36	<10.0	10.0	11/13/2020	ND					
Surrogate: 1-Chlorooctane	79.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	85.6	% 42.2-15	6						

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Received:	11/12/2020	Sampling Date:	11/12/2020
Reported:	11/13/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: FL - 19 (H003013-31)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2020	ND	2.03	101	2.00	3.04	
Toluene*	<0.050	0.050	11/13/2020	ND	1.95	97.7	2.00	2.63	
Ethylbenzene*	<0.050	0.050	11/13/2020	ND	2.05	103	2.00	2.75	
Total Xylenes*	<0.150	0.150	11/13/2020	ND	5.86	97.6	6.00	2.61	
Total BTEX	<0.300	0.300	11/13/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1960	16.0	11/13/2020	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2020	ND	183	91.3	200	13.7	
DRO >C10-C28*	<10.0	10.0	11/13/2020	ND	180	89.9	200	22.3	
EXT DRO >C28-C36	<10.0	10.0	11/13/2020	ND					
Surrogate: 1-Chlorooctane	81.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	87.5	% 42.2-15	6						

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Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	11/12/2020	Sampling Date:	11/12/2020
Reported:	11/13/2020	Sampling Type:	Soil
Project Name:	EDDY HUMBLE #4 SWD TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12970	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY ENERGY - EDDY CO NM		

Sample ID: FL - 20 (H003013-32)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2020	ND	2.03	101	2.00	3.04	
Toluene*	<0.050	0.050	11/13/2020	ND	1.95	97.7	2.00	2.63	
Ethylbenzene*	<0.050	0.050	11/13/2020	ND	2.05	103	2.00	2.75	
Total Xylenes*	<0.150	0.150	11/13/2020	ND	5.86	97.6	6.00	2.61	
Total BTEX	<0.300	0.300	11/13/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8400	16.0	11/13/2020	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2020	ND	183	91.3	200	13.7	
DRO >C10-C28*	168	10.0	11/13/2020	ND	180	89.9	200	22.3	
EXT DRO >C28-C36	86.4	10.0	11/13/2020	ND					
Surrogate: 1-Chlorooctane	83.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	103	% 42.2-15	6						

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Notes and Definitions

QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

age 35 of 38

(575) 393-2326 FAX (575) 393-2476

Company Name	Etech Environmental & S	afety Soluti	ons,	Inc.						BI	LL TO						ANA	LYSI	SR	EQU	EST			
Project Manage	r: Joel Lowry							P.0). #:															
Address: P.C). Box 301							Co	mpa	iny:	Grizzly	Energy												
City: Lovingto	on State	e: NM	Zip: 8	382	60			Att	n:		Carmen F	Pitt					1							
Phone #: (57	5) 396-2378 Fax	#: (575) 39	96-14	29				Ad	dres	S:														
Project #: 129	70 Proj	ect Owner:	: (Griz	zly En	ergy	1	Cit	y:							1								
Project Name:	Eddy Humble #4 SWD Tank I	Battery						Sta	te:		Zip:		0	2W)	18					1	1	-		-
Project Locatio	n: Rural Eddy							Ph	one	#:			Chloride	TPH (8015M)	BTEX (8021B)									
Sampler Name:	Matthew Grieco							Fax	ĸ#:				Ē	H	X									
FOR LAB USE ONLY			Π	Т	N	ATR	IX		PRE	SERV	SAMPLI	NG	1	4	E I									
Lab I.D.	Sample I.D.		(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER WASTEWATER	SOIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL OTHER :	DATE	TIME												
(NW-1		С	1		X				X	11/11/20		X	X	X						-			
2	NW-2		С	2		X				X	11/11/20		X	X	X		-	-	-	-	-	-		
3	NW-3		С	3		X	-			X	11/11/20		X	X	X		-	-	1	-	+	-	-	-
4	NW-4			4		X	-			X	11/11/20		X	X	X	-	-	-	+	-	+	-	-	
5	SW-1			5		X	-			X	11/11/20		X	X	X				+		+	+		
6	SW-2			6	-+-+	X				X	11/11/20		X	X	X	-	-		+-	+	+	+	+-	
7	SW-3		-	7		X		-		X	11/11/20		X	X	X		-	+	+	+	+	+	+-	
8	SW-4			8		X	+	+ +		X	11/11/20		X	X	X	+	+	+	+	+	+	+	+-	
7	EW-1 WW-1			9 10		XX	+	+		X X	11/11/20		X	X	X	-	-	+	+	+	+	+	+	
PLEASE NOTE: Liability a analyses. All claims includ	NVVV- I nd Damages. Cardinal's liability and client's exclu- ing those for negligence and any other cause what cardinal be liable for incidental or consequental da	atsoever shall be d	y claim :	wising	whether be unless ma	sed in de in w	riting ar	nd recai	, shall I wed by	be limited Cardinal	to the amount pair within 30 days after	r completion of t	r the the applica	-				-	-	-	_	_		
affiliates or successors and Relinguished, B	ing out of or related to the performance of service	es hereunder by Ca	ardinal, r	egard	ed By:	ther suc	ch clain	n is basi	ed upo	n any of t	he above stated re	Phone Re	se.		IS L	No	Add	Phone	e #:					
14	1/1 11-	530			Jac	110	r	1	U	VA	Hor	Fax Resu REMARK	it:	D Ye		No	Add	Fax #	:					
Relinguished B		e:	Rec	elv	ed By:		00				g	Please e	email	result	s to pi	m@el	echei	nv.cor	m. R l	USHS	SAMP	LES.		
Delivered By Sampler - UPS	- Bus - Other: 3	7° 3	41	12	Sam	In Tes [tact	is		(Ini	KED BY: tials)													

88 of 98 RDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 36 of 38

(575) 393-2326 FAX (575) 393-2476

Company Name:	: Etech Environmental & Safety Solu	itions,	Inc.			1	BI	LL TO					ANAL	YSIS	REQUE	EST		
Project Manager	r: Joel Lowry					P.O. 1	#:											
ddress: P.O.	. Box 301					Comp	pany:	Grizzly	Energy									
City: Lovingto	on State: NM	Zip:	88260			Attn:		Carmen F	Pitt									
Phone #: (575	5) 396-2378 Fax #: (575) 3	396-14	429			Addre	ess:											
Project #: 1297	70 Project Owne	er:	Grizzly Er	ergy	y	City:												
Project Name:	Eddy Humble #4 SWD Tank Battery					State	:	Zip:			EM)	21B						
Project Location	n: Rural Eddy					Phon	e #:			Chloride	TPH (8015M)	BTEX (8021B)						
Sampler Name:	Matthew Grieco					Fax #	:			E	H	Ш						
FOR LAB USE ONLY			1	MATR	XIX	PF	RESERV	SAMPL	NG	1	1	18						
Lab I.D. Hou303	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS GROUNDWATER WASTEWATER	SOIL	SLUDGE	OTHER : ACID/BASE:	ICE / COOL OTHER :	DATE	TIME									
11	S Pasture 1	С	1	X			X	11/11/20		X	X	X						
	S Pasture 2	С	1	X			X	11/11/20		X	X	X						-
	FL-1	С	1	X			X	11/12/20		X	X	X			-		_	-
	FL-2	С	1	X			X	11/12/20		X	X	X	_		-			+
	FL-3		1			_		11/12/20		X					-			+
		-								-						+		+
		-		-	+	-	+-+			-			-			+		+
					++		+			-	-					+		+
		_	1		++	-				-			-		-	++		+
EASE NOTE: Liability and adyses. All claims including rvice. In no event shall Ca filiates or successors arising	d Damages. Cardinal's liability and client's exclusive remedy for ag those for negligence and any other cause whatsoever shall be arclinal be liable for incidential or consequential damages, includin ig out of or related to the performance of services hereunder by the second se	any claim deemed ag without Cardinal,	waived unless ma limitation, businer regardless of whe	ased in Ide in w	riling and uptions, is	received i cas of use,	ul be limited by Cardinal , or loss of p	to the amount pair within 30 days after rolls incurred by o	r completion of t client, its subsidie asons or otherwi	r the he applica ries, se.	ble			Phone #*				_
MN	AT In 11-12-00	2	Ceived By:	ai	10	Oli	lat	byl	Fax Resu REMARK	lt: S:	□ Ye	IS 🗆 N	lo Add'l I	Fax #:	RUSH S	AMPLES		
Delivered By: Sampler - UPS	0	#11	Z Coo	l In	tact Tes	-	(Init	(ED BY: tials)				print						
13 14 15 14 15 14 17 18 17 18 19 20 PLEASE NOTE: Liability and malyses. All claims including service. In no event shall Ca milliates or successors arising Relinquistied By Relinquistied By	FL-1 FL-2 FL-3 FL-4 FL-5 FL-6 FL-7 FL-8 d Damages. Cardinal's liability and client's exclusive remedy for rights to incidental or consequential damages, includin go out of or related to the performance of services hereunder by fr: Date: Time: (Circle One) - Bus - Other: 3.7 c 06		1 1 <t< td=""><td>X X X X X X X X X X X X X X X X X X X</td><td>condition</td><td>on</td><td>X X X X X X X X X X X X X X X X X X X</td><td>11/12/20 11/12/20 11/12/20 11/12/20 11/12/20 11/12/20 11/12/20 11/12/20 11/12/20 11/12/20 11/12/20 0 diaya difu collis incurred by in collis in collis in collis in collis in collis in collis in collis in collis in colli</td><td>r completion of t illent, its subsidie <u>Phone Ree</u> <u>Fax Resu</u> <u>REMARK</u></td><td>X X X X X X X X X X X X X X X X X X X</td><td>X X X X X X X X X X X X E e e sults</td><td>X X X X X X X X X X X S S S S S S</td><td>ko Add'i I</td><td></td><td>RUSH SA</td><td>AMPLES</td><td>6.</td><td></td></t<>	X X X X X X X X X X X X X X X X X X X	condition	on	X X X X X X X X X X X X X X X X X X X	11/12/20 11/12/20 11/12/20 11/12/20 11/12/20 11/12/20 11/12/20 11/12/20 11/12/20 11/12/20 11/12/20 0 diaya difu collis incurred by in collis in collis in collis in collis in collis in collis in collis in collis in colli	r completion of t illent, its subsidie <u>Phone Ree</u> <u>Fax Resu</u> <u>REMARK</u>	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X E e e sults	X X X X X X X X X X X S S S S S S	ko Add'i I		RUSH SA	AMPLES	6.	

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

RDINAL LABORATORIES

of 98

101 East Marland, Hobbs, NM 88240

	Etech Environmenta	al & Safety Solu	tions	Inc						BI	LL TO	11.1			_		ANAL	YSIS	RE	QUE	ST		
Project Manager	: Joel Lowry					_		P.0). # :														
Address: P.O.	Box 301							Co	mpa	ny:	Grizzly	Energy											
City: Lovington	n	State: NM	Zip:	882	260			Att	n:		Carmen P	Pitt											
Phone #: (575)) 396-2378	Fax #: (575) 3	396-1	429				Ad	dres	s:													
Project #: 1297	70	Project Owne	F:	Gri	zzły En	ergy	1	Cit	y:						-								
Project Name:	Eddy Humble #4 SWD	Tank Battery						Sta	ate:		Zip:			5M)	21B								
Project Location	: Rural Eddy							Ph	one	#:			Chloride	TPH (8015M)	BTEX (8021B)				_				
Sampler Name:	Matthew Grieco							Fax	x #:				Ch	H	EX								
FOR LAB USE ONLY					N	ATR	IX	_	PRE	SERV.	SAMPLI	NG	1	1	81								
Lab I.D.	Sample I.	D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER WASTEWATER	SOIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL OTHER :	DATE	TIME											
	FL-9		С	1		X				X	11/12/20		X	X	Х								-
	FL-10		С	1	_	X	-			X	11/12/20		X	X	X		-	-	-	-			
	FL-11		С	1		X	-			X	11/12/20		X	X	Х	_	-	-	-	-		-	
	FL-12		С	1		X	-			X	11/12/20		X	X	X	_	-	-	-			-	
	FL-13		С	1		X	+	-		X	11/12/20		X	X	X	-			-				
	FL-14		С	1		X	+	-		X	11/12/20		X	X	X	-		-	-	-			
and the second se	FL-15		С	1		X	+	-		X	11/12/20		X	X	X	-				+		-+-	-+-
	FL-16		C	1		X	+	+-	\vdash	X	11/12/20		X	X	X	-		-		-		-	-
	FL-17 FL-18		C C	1		X	+	+		X X	11/12/20		X	X	X	-				+	+	-	-
LEASE NOTE: Liability and	d Damages. Cardinal's liability and clied	nt's exclusive remedy for	any clain	arisin	g whether ba	ised in	contrac	ct or tort	t, shall t	e limited	to the amount pai	d by the client for	the			-	-	-		-			_
envice. In no event shall Ca miliates or successors arisin Relinquished By Relinquished By	the	uental damages, includin	g willow Cardinal Re	regard ceiv	tion, busines diess of whet red By: 2000 red By:	s intern ther suc	uptions ch clain	, less of n is base	f use, or ed upor	hoes of pin any of the	rottis incurred by o	lient, ils subsidia	ries, se sult: t: S:	□ Ye	s 🗆	No No	Add'l			SH SA	MPLE	S.	
Delivered Bv: Sampler - UPS FORM-00		3.7° 3	#11	3	Sam Cool		tact	es	-		(ED BY: tials)												

RDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 38 of 38

(575) 393-2326 FAX (575) 393-2476

mpany Name: Etech Environmental & Safety Solutions, Inc.	BI	LL TO			ANALYSIS REQUEST
ject Manager: Joel Lowry	P.O. #:				
dress: P.O. Box 301	Company:	Grizzly Energy			
r: Lovington State: NM Zip: 88260	Attn:	Carmen Pitt			
one #: (575) 396-2378 Fax #: (575) 396-1429	Address:				
ject #: 12970 Project Owner: Grizzly Energy	City:				
ject Name: Eddy Humble #4 SWD Tank Battery	State:	Zip:	5M)	21B	
ject Location: Rural Eddy	Phone #:		Chloride TPH (8015M)	BTEX (8021B)	
npler Name: Matthew Grieco	Fax #:		H CH	X	
R LAB USE ONLY MATE	IX PRESERV.	SAMPLING		8	
ap I.D. Samble I.D. (G)RAB OR (C)OMP # CONTAINERS GROUNDWATER Soll	SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	DATE TIME			
3/ FL-19 C 1 X	X	11/12/20	X X	X	
32 FL-20 C 1 X	X	11/12/20	X X	X	
				+	
				+	
				+ +	
SE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in					
es: All claims Including those for negligence and any offer cause whattoower shall be deserved walked	ptions, loss of use, or loss of pn h claim is based upon any of the Addition any of the pondition CHECK	eby client, its subsidia above stated reasons or otherwite Phone Re Fax Resu REMARK Please e	ries. se. Isult: 1 It: 1 S:	es 🗆 No	
mpler - UPS - Bus - Other: 3.7 c #113	No TE				

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Appendix D Photographic Log













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

District II

District IV

CONDITIONS

Action 11348

District I 1625 N. French Dr., Hobbs, NM 88240 **State of New Mexico** Phone:(575) 393-6161 Fax:(575) 393-0720 **Energy, Minerals and Natural Resources** 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 **Oil Conservation Division** District III 1000 Rio Brazos Rd., Aztec, NM 87410 1220 S. St Francis Dr.

Santa Fe, NM 87505

CONDITIONS OF APPROVAL

Operator	r:				OGRID:	Action Number:	Action Type:
	GRIZZLY OPERATING, LLC	5847 San Felipe, Suite 3000	Houston, TX77057		258350	11348	C-141
OCD Re	viewer			Condition			
chensley	<i>y</i>			None			