## Remediation Summary & Soil Closure Request

### Solaris Water Midstream, LLC Lobo 285 Frac Tank Overflow

Eddy County, New Mexico
Unit Letter "A", Section 22, Township 25S South, Range 28E East
Latitude 32.12183 North, Longitude 104.07072 West
NMOCD Reference No. nAPP2221532955

Prepared By:

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### 1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Solaris Water Midstream, LLC, has prepared this *Remediation Summary & Soil Closure Request* for the release site known as the Lobo 285 Frac Tank Overflow. Details of the release are summarized below:

<b>Location of Release Source</b>										
Latitude:	32.12183		-104.07072							
Provided GPS are in WGS84 format.										
Site Name: Lobo 285 Frac Tank Overflow Site Type: Well Head										
Date Release Discovered: 8/2/2022 API # (if applicable): N/A										
Unit Letter Se	ection Township	Range	County							
"A"	22 25SS	28EE	Eddy							
Surface Owner: XS		Private (Na	Release							
Crude Oil	Volume Released (bbls)		Volume Recove	ered (bbls)						
X Produced Water	Volume Released (bbls)	120	Volume Recovered (bbls) 25							
Is the concentration of dissolved chloride in the produced water > 10,000 mg/L?										
Condensate	Volume Released (bbls)		Volume Recove	ered (bbls)						
Natural Gas	Volume Released (Mcf)		Volume Recove	ered (Mcf)						
Other (describe)	Volume/Weight Released		Volume/Weight	Recovered						
malfunctioned. A por on December 16, 202	rtion of the release affected an	n area that had bee VD Water Reuse (N	n previously imp NMOCD Incident	k after a frac tank control probe pacted by a release that occurred t #nAPP2135135752). This area ned release.						
	In	nitial Response								
X The source of the	release has been stopped.									
X The impacted area has been secured to protect human health and the environment.										
X Release materials	have been contained via the use	of berms or dikes,	absorbent pad, or	other containment devices						
X All free liquids an	nd recoverable materials have be	1 1		.1						

Previously submitted portions of the New Mexico Oil Conservation Division (NMOCD) Form C-141 are available in the NMOCD Imaging System.

### 2.0 SITE CHARACTERIZATION

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (bgs)?	Between 100 and 500 (ft.)
What method was used to determine the depth to groundwater?	Direct Measurement
Did the release impact groundwater or surface water?	Yes X No
What is the minimum distance between the closest lateral extents of the release and the following surface areas?	
A continuously flowing watercourse or any other significant watercourse?	1 to 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	½ to 1 (mi.)
An occupied permanent residence, school, hospital, institution or church?	> 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	½ to 1 (mi.)
Any other fresh water well or spring?	½ to 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field?	> 5 (mi.)
A wetland?	1 to 5 (mi.)
A subsurface mine?	> 5 (mi.)
A (non-karst) unstable area?	1,000 (ft.) to ½ (mi.)
Categorize the risk of this well/site being in a karst geology.	Medium
A 100-year floodplain?	1 to 5 (mi.)
Did the release impact areas not on an exploration, development, production or storage site?	X Yes No

Searches of databases maintained by the NMOCD, New Mexico Office of the State Engineer (NMOSE), and United States Geological Survey (USGS) were conducted in an effort to determine the horizontal distance to known water sources within a half-mile radius of the Lobo 285 Frac Tank Overflow release site.

Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. In addition, on June 15, 2022, an investigative soil boring was drilled on-site in an effort to determine if shallow groundwater is present in the area. The soil boring was advanced to a total depth of approximately 105 feet below ground surface (bgs) and left open for 72 hours. No indications of inflow and/or accumulation of water were noted during the advancement of the soil bore or prior to plugging and abandonment. The location of the investigative soil bore is depicted in Figure 2A. Depth to groundwater information and a drilling log are provided in Appendix A.

Additional NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) and Fish and Wildlife Services (FWS) shapefiles; topographic maps; NMOSE and USGS databases; and aerial imagery. The results are depicted in Figures 1, 2A, 2B, and 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 NMOCD Reclamation Standard for the Lobo 285 Frac Tank Overflow release site are as follows:

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria*†	Reclamation Standard*‡
	Chloride (Cl-)	EPA 300.0 or SM4500 Cl B	20,000	600
Detroise 100 and	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	2,500	100
Between 100 and 500 (ft.) Feet	Gas Range Organics + Diesel Range Organics (GRO + DRO)	EPA SW-846 Method 8015M	1,000	=
500 (II.) Feet	Benzene	EPA SW-846 Methods 8021b or 8260b	10	10
	Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA SW-846 Methods 8021b or 8260b	50	50

<sup>\*</sup> Measured in milligrams per kilogram (mg/kg)

### 4.0 SITE ASSESSMENT

On August 9, 2022, Etech conducted an initial site assessment. During the initial site assessment, four (4) hand-augered soil bores (V1 through V4) were advanced within the release margins in an effort to determine the vertical extent of impacted soil. During the advancement of the hand-augered soil bores, soil samples were collected and field-screened for the presence of Volatile Organic Compounds (VOCs) utilizing olfactory/visual senses and/or concentrations of chloride utilizing a Hach Quantab ® chloride test kit.

Based on field observations and field test data, four (4) delineation soil samples (V1 @ 6", V2 @ 6", V3 @ 6", and V4 @ 6") were submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, GRO + DRO, and TPH concentrations exceeded the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. Chloride concentrations were below the NMOCD Closure Criterion in each of the submitted soil samples.

Based on laboratory analytical data, additional vertical delineation was required in the areas characterized by sample points V1 through V4.

On September 28, 2022, Etech continued the site assessment. In an effort to further investigate the vertical extent of impacted soil, a backhoe was utilized to advance test trenches in the areas characterized by sample points V1 through V4 to total depths ranging from three (3) to six (6) feet bgs. During the advancement of the test trenches, soil samples were collected and field-screened as previously described for the presence of VOCs and/or concentrations of chloride.

Based on field observations and field test data, four (4) delineation soil samples (V1 @ 3', V3 @ 4', V4 @ 4', and V4 @ 6') 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 NMOCD Reclamation Standards in each of the submitted soil samples.

Based on laboratory analytical data, the vertical extent of impacted soil was adequately defined in the areas characterized by sample points V1 through V4 and did not extend beyond three (3) to four (4) feet bgs. However, additional delineation was required to determine the horizontal extent of impacted soil.

The locations of the hand-augered soil borings and test trenches are depicted in Figure 3A, "Sample Location Map (Delineation)".

<sup>†</sup> Table I, Section 19.15.29.12 of the New Mexico Administrative Code (NMAC).

<sup>‡</sup> The NMOCD Reclamation Standard applies only to the top 4' of soil in non-production areas. Section 19.15.29.13 D.(1) NMAC.

### 5.0 REMEDIATION ACTIVITIES SUMMARY

Requesting a remediation plan approval with this submission?	Yes X No
Have the lateral and vertical extents of contamination been fully delineated?	X Yes No
Was this release entirely contained within a lined containment area?	Yes X No
On what estimated date did, or will, the remediation commence?	9/27/2023
On what date will (or was) the remediation complete(d)?	11/8/2023
What was the total surface area (sq. ft.) that has or will be remediated?	16,000
What was the total volume (cy) that has or will be remediated?	563
This remediation utilized the following processes to remediate/reduce contaminants: (Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	X Yes No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Yes X No
(In Situ) Soil Vapor Extraction	Yes X No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Yes X No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Yes X No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Yes X No
Ground Water Abatement pursuant to 19.15.30 NMAC	Yes X No
Other (Non-listed remedial process)	Yes X No
Which OCD approved facility was or will be used for off-site disposal?	R360 Red Bluff Facility
NMOCD Disposal Facility ID?	Texas
Summarize any additional remediation activities not included by answers above.	See below

On September 27, 2023, remediation activities commenced at the Lobo 285 Frac Tank Overflow release site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. Olfactory/visual senses and/or a chloride test kit were utilized to field-screen the horizontal and vertical extent of impacted soil and to guide the excavation. The floor and sidewalls of the excavation were advanced until field tests and field observations suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria. Representative five-point composite confirmation soil samples were collected every 200 square feet from the floor and sidewalls of the excavated area to be submitted for laboratory analysis. A summary of soil sampling events is provided below:

Constituent	Highest Observable Concentration	Sample ID	Sample Date	Sample Depth (ft bgs)	Soil Status
Chloride	26,800	EW2 (Commingled Area)	10/9/2023	0-1	Excavated
ТРН	52,100	V4 @ 6"	8/9/2022	0.5	Excavated
GRO+DRO	41,500	V4 @ 6"	8/9/2022	0.5	Excavated
Benzene	412	V2 @ 6"	8/9/2022	0.5	Excavated
BTEX	2.47	V2 @ 6"	8/9/2022	0.5	Excavated

Please reference Table 1 for additional information.

On September 27, 2023, Etech collected 10 confirmation soil samples (FL #1 @ 3' through FL #5 @ 3' and FL #8 @ 3' through FL #12 @ 3') from the floor of the excavation in the Commingled Area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX concentrations were below the NMOCD Closure Criterion in each of the submitted soil samples. GRO+DRO concentrations in soil samples FL #2 @ 3', FL #8 @ 3', FL #10 @ 3', and FL #12 @ 3' exceeded the NMOCD Closure Criterion. TPH concentrations in soil samples FL #2 @ 3', FL #10 @ 3', FL #11 @ 3', and FL #12 @ 3' exceeded the NMOCD Closure Criterion. Chloride concentrations in soil sample FL #10 @ 3' exceeded the NMOCD Closure Criterion. Based on these laboratory analytical results, the excavation was subsequently further advanced in the areas characterized by soil samples FL #2 @ 3', FL #8 @ 3', FL #10 @ 3', FL #11 @ 3', and FL #12 @ 3'

On September 28, 2023, Etech collected 14 confirmation soil samples (FL #13 @ 3' through FL #22 @ 3' and FL #24 @ 3' through FL #27 @ 3') from the floor of the excavation in the Commingled Area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX concentrations were below the NMOCD Closure Criterion in each of the submitted soil samples. GRO+DRO concentrations in soil samples FL #13 @ 3', FL #16 @ 3' through FL #19 @ 3', FL #21 @ 3', FL #25 @ 3', FL #26 @ 3', and FL #27 @ 3' exceeded the NMOCD Closure Criterion. TPH concentrations in soil samples FL #13 @ 3', FL #16 @ 3' through FL #19 @ 3', FL #25 @ 3', Exceeded the NMOCD Closure Criterion. Chloride concentrations in soil sample FL #25 @ 3' exceeded the NMOCD Closure Criterion. Based on these laboratory analytical results, the excavation was subsequently further advanced in the areas characterized by soil samples FL #13 @ 3', FL #16 @ 3' through FL #19 @ 3', FL #25 @ 3', FL #26 @ 3', and FL #27 @ 3'.

On October 6, 2023, Etech collected five (5) confirmation soil samples (FL 2 @ 6 In, FL 8 @ 6 In, FL 10 @ 6 In, FL 11 @ 6 In, and FL 12 @ 6 In) from the floor of the excavation in the Commingled Area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples.

On October 9, 2023, Etech collected 14 confirmation soil samples (FL 6 @ 3 In, FL 7 @ 3 In, FL 13 @ 6 In, FL 16 @ 6 In through FL 19 @ 6 In, FL 21 @ 6 In, FL 25 @ 1 Ft through FL 27 @ 1 Ft, NW1, EW2, and WW2) from the floor and sidewalls of the excavation in the Commingled Area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX and TPH concentrations were below the NMOCD Closure Criterion in each of the submitted soil samples. GRO+DRO concentrations in soil samples FL 16 @ 6 In and FL 18 @ 6 In exceeded the NMOCD Closure Criterion. Chloride concentrations in soil samples NW1 and EW2 exceeded the NMOCD Closure Criterion. Based on these laboratory analytical results, the excavation was subsequently further advanced in the areas characterized by soil samples FL 16 @ 6 In, FL 18 @ 6 In, NW1, and EW2.

On October 13, 2023, Etech collected six (6) confirmation soil samples (FL 16 @ 1 Ft, FL 18 @ 1 Ft, NW1B, EW2B, SW3, and WW5) from the floor and sidewalls of the excavation in the Commingled Area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples.

On October 19, 2023, Etech collected nine (9) confirmation soil samples (FL 1 @ 6 In through FL 9 @ 6 In) from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples.

On October 23, 2023, Etech collected 12 confirmation soil samples (FL 10 @ 6 In through FL 21 @ 6 In) from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX concentrations in soil samples FL 18 @ 6 In and FL 21 @ 6 In exceeded the NMOCD Closure Criterion. GRO+DRO concentrations in soil samples FL 14 @ 6 In and FL 17 @ 6 In through FL 21 @ 6 In exceeded the NMOCD Closure Criterion. TPH concentrations in soil samples FL 14 @ 6 In and FL 18 @ 6 In through FL 21 @ 6 In

exceeded the NMOCD Closure Criterion. Chloride concentrations were below the NMOCD Closure Criterion in each of the submitted soil samples. Based on these laboratory analytical results, the excavation was subsequently further advanced in the areas characterized by soil samples FL 14 @ 6 In and FL 17 @ 6 In through FL 21 @ 6 In.

On October 24, 2023, Etech collected nine (9) confirmation soil samples (FL 7 @ 1 Ft, FL 22 @ 6 In through FL 25 @ 6 In, and FL 28 @ 6 In through FL 31 @ 6 In) from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX concentrations in soil samples FL 25 @ 6 In, FL 30 @ 6 In, and FL 31 @ 6 In exceeded the NMOCD Closure Criterion. GRO+DRO and TPH concentrations in soil samples FL 24 @ 6 In, FL 25 @ 6 In, and FL 28 @ 6 In through FL 31 @ 6 In exceeded the applicable NMOCD Closure Criteria. Chloride concentrations were below the NMOCD Closure Criterion in each of the submitted soil samples. Based on these laboratory analytical results, the excavation was subsequently further advanced in the areas characterized by soil samples FL 24 @ 6 In, FL 25 @ 6 In, and FL 28 @ 6 In through FL 31 @ 6 In.

On October 26, 2023, Etech collected 19 confirmation soil samples (FL #35 @ 6 In through FL #39 @ 6 In, FL #47 @ 0-3 In through FL #54 @ 4 Ft, NW-1, EW-1, EW-2, SW-1, WW-1, and WW-2) from the floor and sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples. The GRO+DRO and TPH concentrations in soil sample FL #47 @ 0-3 In exceeded the applicable NMOCD Closure Criteria. Based on these laboratory analytical results, the excavation was subsequently further advanced in the area characterized by soil sample FL #47 @ 0-3.

On October 27, 2023, Etech collected 23 confirmation soil samples (FL #40 @ 6 In through FL #47 @ 6 In, FL #55 @ 2-4 Ft, NW-2 through NW-7, EW-3, SW-2 through SW-7, and WW-3) from the floor and sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples.

On October 29, 2023, Etech advanced a series of hand-augered soil bores along the inferred release margins of the release to further investigate the horizontal extent of impacted soil. During the advancement of the hand-augered soil bores, soil samples were collected and field-screened for the presence of VOCs utilizing olfactory/visual senses and/or concentrations of chloride utilizing a chloride test kit.

Based on field observations and field test data, four (4) delineation soil samples (NHc, EHf, SHd, and WHc) were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples. The TPH concentration in soil sample WHc exceeded the NMOCD Closure Criterion. Based on these laboratory analytical results, the horizontal extent of impacted soil was adequately defined in the areas characterized by sample points NHc, EHf, and SHd. However, additional horizontal delineation was required in the area characterized by sample point WHc.

On October 29, 2023, Etech also collected 10 confirmation soil samples (FL #32 @ 6 In, FL #33 @ 6 In, FL #34 @ 6 In, NW-8, EW-4 through EW-7, SW-8, and SW-9) from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples. GRO+DRO concentrations in soil samples FL #32 @ 6 In, FL #33 @ 6 In, EW-6, EW-7, SW-8, and SW-9 exceeded the NMOCD Closure Criterion. TPH concentrations in soil samples FL #32 @ 6 In, FL #33 @ 6 In, FL #34 @ 6 In, EW-6, EW-7, and SW-9 exceeded the NMOCD Closure Criterion. Based on these laboratory analytical results, the excavation was subsequently further advanced in the areas characterized by soil samples FL #32 @ 6 In, FL #33 @ 6 In, FL #34 @ 6 In, EW-6, EW-7, SW-8, and SW-9.

On October 31, 2023, Etech collected 10 confirmation soil samples (FL #14, FL #17 through FL #21, and FL #24 @ 1 through FL #27) from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX concentrations in soil samples FL #20, FL #21, and FL #24 @ 1 exceeded the NMOCD Closure Criterion. GRO+DRO and TPH concentrations in soil samples FL #20, FL #21, FL #24 @ 1, and FL #25 exceeded the applicable NMOCD Closure Criteria. Chloride concentrations were below the NMOCD Closure Criterion in each of the submitted soil samples. Based on these laboratory analytical results, the excavation was subsequently further advanced in the areas characterized by soil samples FL #20, FL #21, FL #24 @ 1, and FL #25.

On November 1, 2023, Etech collected seven (7) confirmation soil samples (FL 28 @ 1 through FL 31 @ 1, FL 47 @ 1, SW-8B, and SW-9B) from the floor and sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX concentrations in soil samples FL 29 @ 1, SW-8B, and SW-9B exceeded the NMOCD Closure Criterion. GRO+DRO and TPH concentrations in soil samples FL 28 @ 1, FL 29 @ 1, SW-8B, and SW-9B exceeded the applicable NMOCD Closure Criteria. Chloride concentrations were below the NMOCD Closure Criterion in each of the submitted soil samples.

On November 2, 2023, Etech collected 11 confirmation soil samples (FL #20, FL #21, FL 24, FL 25, FL 28, FL 29, FL 32, FL 33, FL 34, EW-6, and EW-7) from the floor and sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX concentrations in soil samples FL #21, FL 25, FL 28, and FL 32 exceeded the NMOCD Closure Criterion. GRO+DRO concentrations exceeded the NMOCD Closure Criterion in each of the submitted soil samples. TPH concentrations in soil samples FL #20, FL #21, FL 25, FL 28, FL 29, and FL 32 exceeded the NMOCD Closure Criterion. Chloride concentrations were below the NMOCD Closure Criterion in each of the submitted soil samples. Based on these laboratory analytical results, the excavation was subsequently further advanced in the areas characterized by soil samples FL #20, FL #21, FL 24, FL 25, FL 28, FL 29, FL 32, FL 33, FL 34, EW-6, and EW-7.

On November 3, 2023, Etech collected two (2) confirmation soil samples (SW-8 and SW-9) from the sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples.

On November 6, 2023, Etech collected 11 confirmation soil samples (FL 20, FL 21, FL 24, FL 25, FL 28, FL 29, FL 32, FL 33, FL 34, EW 6, and EW 7) from the floor and sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples.

On November 16, 2023, Etech advanced a series of hand-augered soil bores along the inferred margins of the release to ensure that the horizontal extent of impacted soil had been adequately delineated to the NMOCD Reclamation Standards of 100 mg/kg for TPH and 600 mg/kg for chloride. During the advancement of the hand-augered soil bores, soil samples were collected and field-screened as previously described for the presence of VOCs and/or concentrations of chloride.

Based on field observations and field test data, three (3) delineation soil samples (SH-2A, WH-2, and WH-3) were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX concentrations were below the NMOCD Closure Criteria and NMOCD Reclamation Standard in each of the submitted soil samples. TPH and chloride concentrations in each of the submitted soil samples were below the applicable NMOCD Closure Criteria but exceeded NMOCD Reclamation Standards. Based on these laboratory analytical results, additional horizontal delineation was required in the areas characterized by sample points SH-2A, WH-2, and WH-3.

On November 21, 2023, Etech advanced an additional series of hand-augered soil bores to further investigate the horizontal extent of impacted soil in the areas characterized by sample points SH-2A, WH-2, and WH-3. During the advancement of the

hand-augered soil bores, soil samples were collected and field-screened for the presence of VOCs and/or concentrations of chloride.

Based on field observations and field test data, three (3) delineation soil samples (SH2-C, WH2-B, and WH3-A) were submitted to the laboratory for analysis of TPH and chloride. Laboratory analytical results indicated that TPH and chloride concentrations in each of the submitted soil samples were below the applicable NMOCD Closure Criteria. However, the chloride concentration in each of the samples exceeded the NMOCD Reclamation Standard, as did the TPH concentration in soil sample WH2-B. Based on these laboratory analytical results, additional horizontal delineation was required in the areas characterized by sample points SH2-C, WH2-B, and WH3-A.

On December 6, 2023, Etech advanced an additional series of hand-augered soil bores to further investigate the horizontal extent of impacted soil in the areas characterized by sample points SH2-C, WH2-B, and WH3-A. During the advancement of the hand-augered soil bores, soil samples were collected and field-screened for the presence of VOCs and/or concentrations of chloride.

Based on field observations and field test data, three (3) delineation soil samples (SH2-D, WH2-C, and WH3-C) were submitted to the laboratory for analysis of TPH and chloride. Laboratory analytical results indicated that TPH and chloride concentrations in each of the submitted soil samples were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards. Based on these laboratory analytical results, the horizontal extent of impacted soil was adequately delineated to the Reclamation Standards of 100 mg/kg for TPH and 600 mg/kg for chloride.

The final dimensions of the excavated area were approximately 133 to 400 feet in length, four (4) to 80 feet in width, and three (3) inches to four (4) feet in depth. During the course of remediation activities, Etech transported approximately 600 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal and imported approximately 600 cubic yards of locally sourced, non-impacted material to the site for use as backfill.

Soil sample locations and the extent of the excavated area are depicted in Figure 3B, "Sample Location Map (Excavation)". Soil chemistry data is summarized in Table 1. Field data is provided in Appendix B. General photographs of the site are provided in Appendix C. Laboratory analytical reports are provided in Appendices D and E. Copies of all regulatory correspondence are provided in Appendix F.

### 6.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste containing earthen material with concentrations of less than 600 mg/kg chloride, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg benzene?	X Yes No
What was the total surface area (sq. ft.) reclaimed?	290
What was the total volume (cy) reclaimed?	37
What is the total surface area (sq. ft.) that will <i>eventually</i> be reclaimed?	73,800
What is the total volume (cy) that will <i>eventually</i> be reclaimed?	9,462

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 compacted and contoured 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 and/or landowner-approved seed mixture free of noxious weeds during the first favorable growing season following closure of the site.

### 7.0 SOIL CLOSURE REQUEST

Requesting a deferral of remediation closure due date with the approval of this submission?	Yes	X No
Requesting a remediation closure approval with this submission?	X Yes	No No

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

Based on laboratory analytical results and field activities conducted to date, Etech recommends Solaris Water Midstream, LLC, provide copies of this *Remediation Summary & Soil Closure Request* to the appropriate agencies and request closure be granted to the Lobo 285 Frac Tank Overflow Site.

#### 8.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this *Remediation Summary & 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 referenced 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 Solaris Water Midstream, LLC. Use of the information contained in this report is prohibited without the consent of Etech and/or Solaris Water Midstream, LLC.

### 9.0 DISTRIBUTION

Solaris Water Midstream, LLC 907 Tradewinds Blvd Ste B Midland, TX 79706

### New Mexico Energy, Minerals and Natural Resources Department

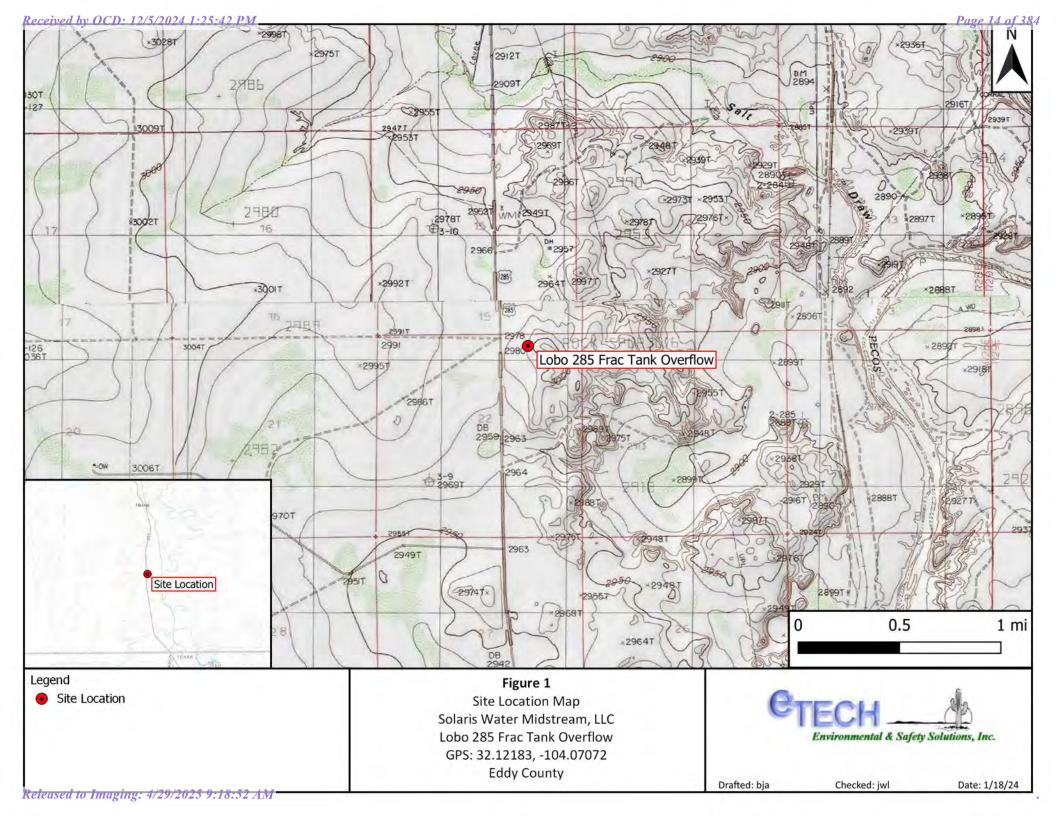
Oil Conservation Division, District 2 811 S. First Street Artesia, NM 88210

### Hobbs Field Office

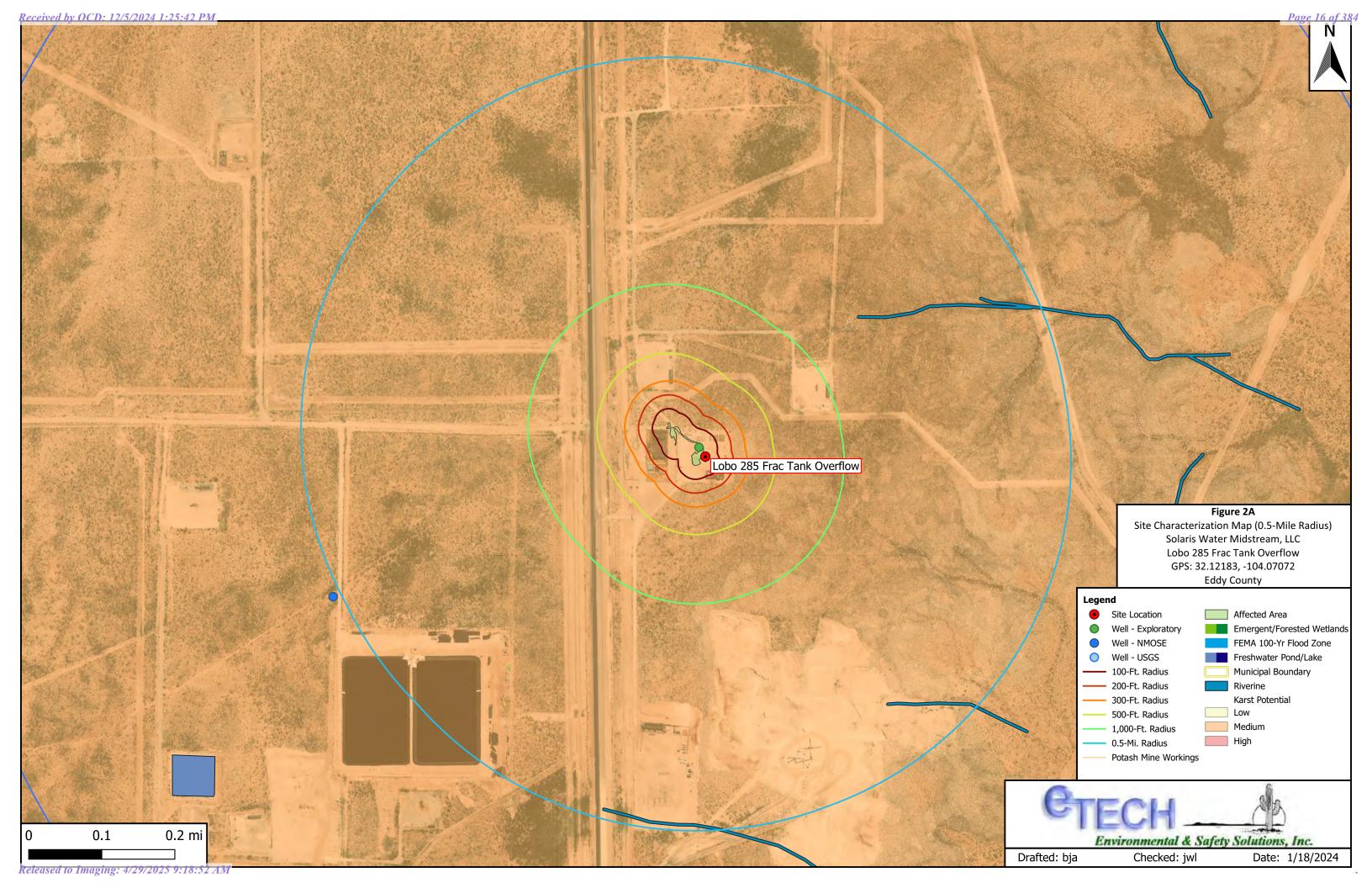
New Mexico State Land Office 2827 North Dal Paso Street Suite 117 Hobbs, NM 88240

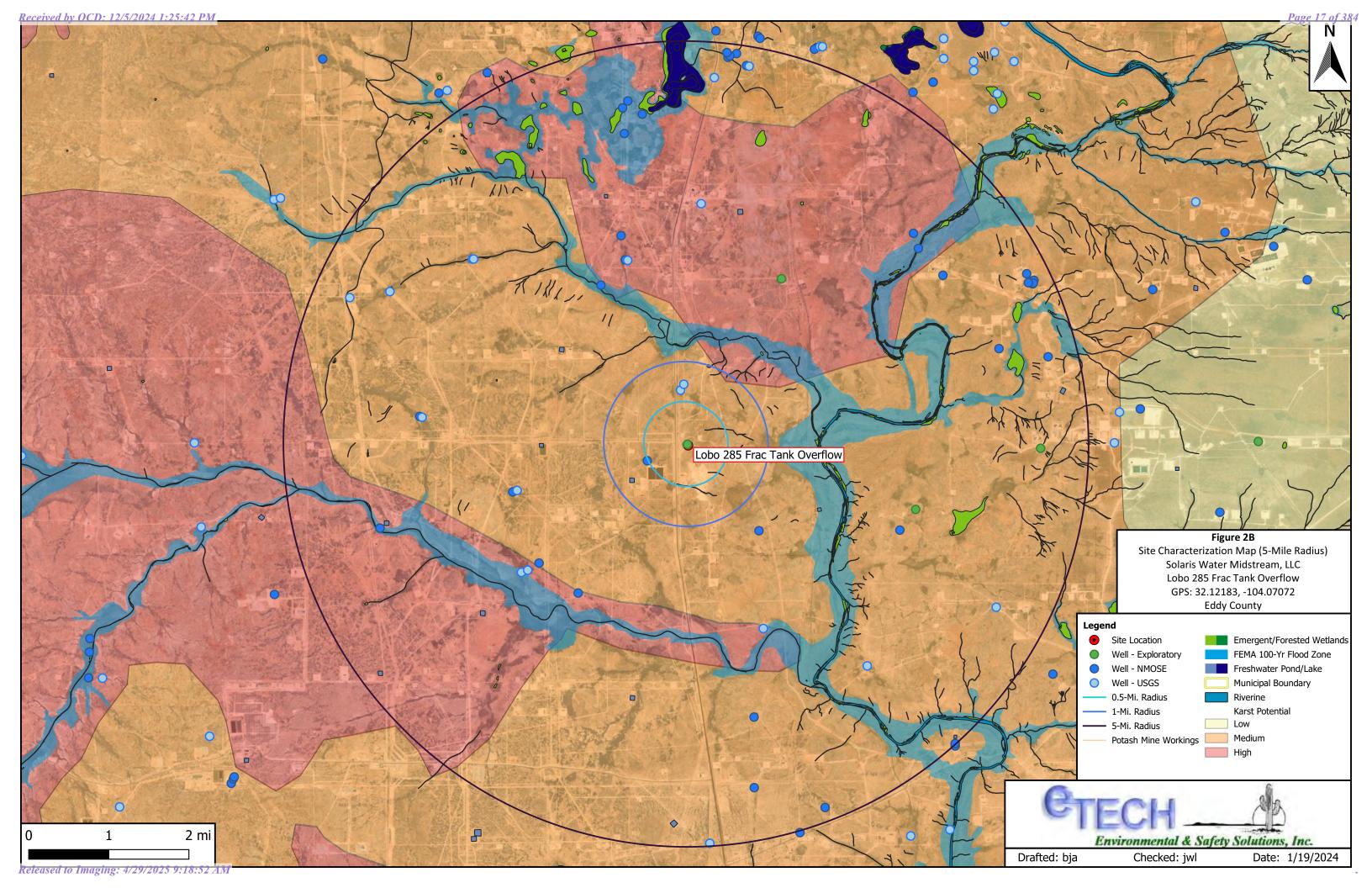
(Electronic Submission)

## Figure 1 Site Location Map

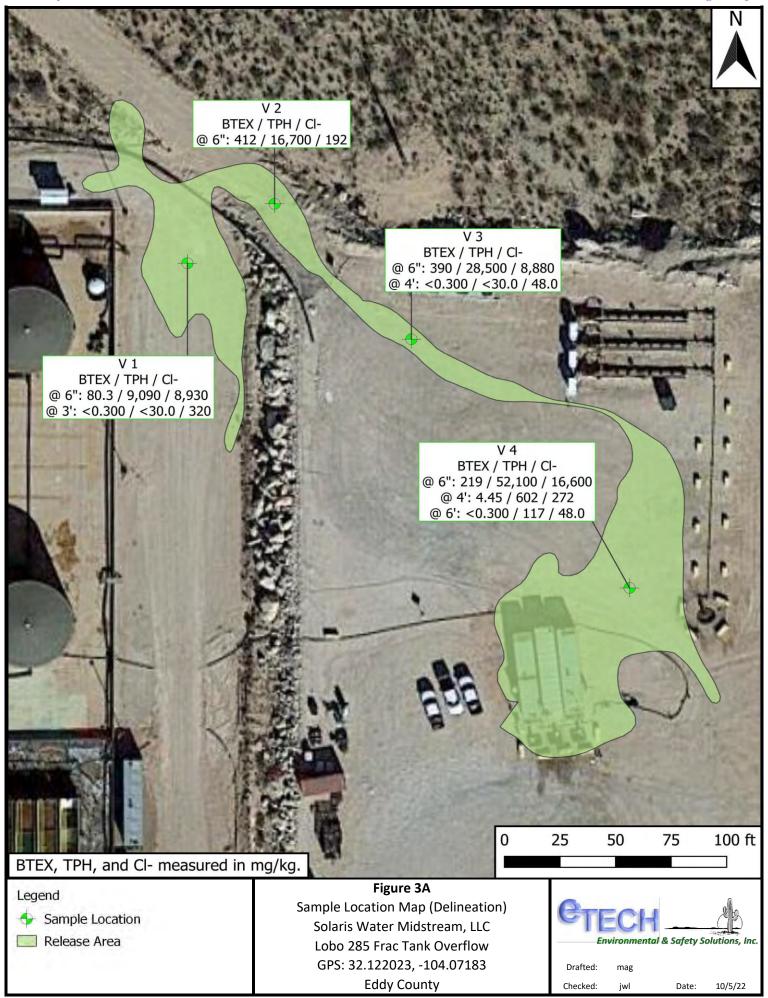


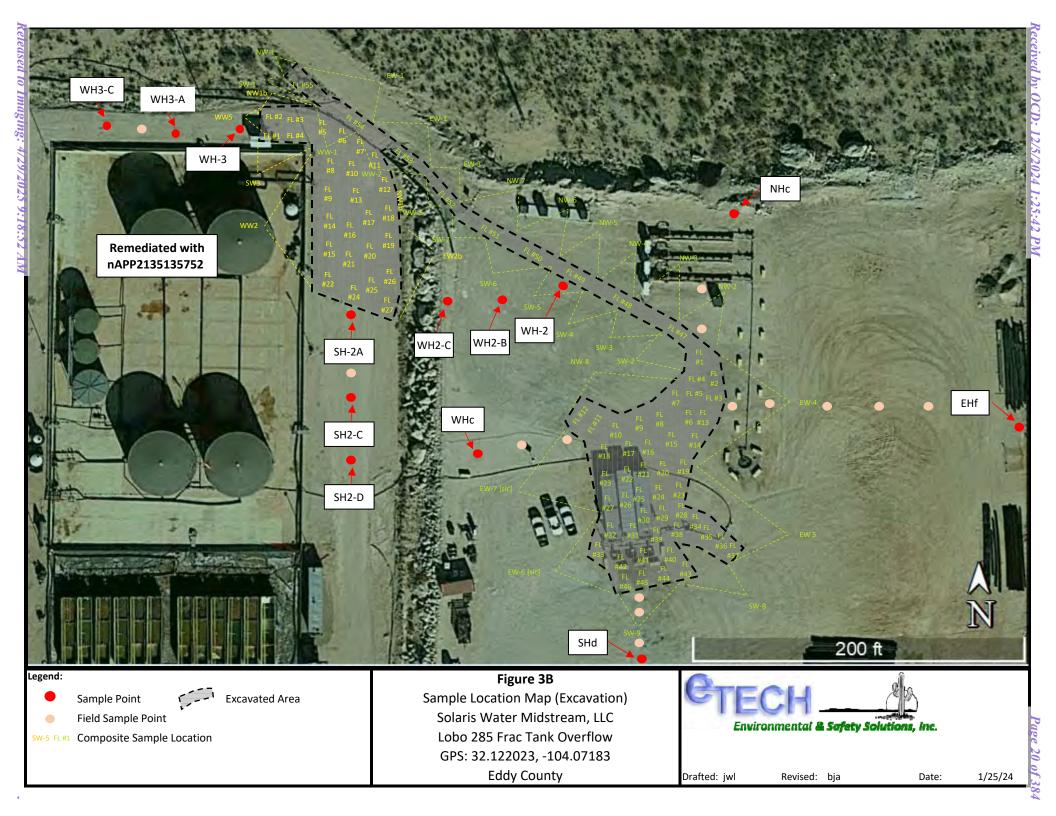
### Figures 2A & 2B Site Characterization Maps



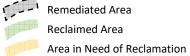


## Figures 3A & 3B Sample Location Maps





## Figure 4 Reclamation Map



Solaris Water Midstream, LLC Lobo 285 Frac Tank Overflow GPS: 32.122023, -104.07183 Eddy County



Drafted: jwl Checked: bja

Date: 12/12/23

## Table 1 Concentrations of BTEX, TPH & Chloride in Soil

Table 1											
			Concentra					l			
	Solaris Water Midstream, LLC										
Lobo 285 Frac Tank Overflow											
	NMOCD Ref. #: nAPP2221532955										
	OCD Closure C			10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOC	CD Reclamation	Standard		10	50	N/A	N/A	N/A	N/A	100	600
				SW 846	6 8021B		SW	GRO +	Ext.	l	4500 Cl
Sample ID	Date	Depth (Feet)	Soil Status	Benzene	BTEX	GRO	DRO	DRO	ORO	ТРН	Chloride
		(Peet)		(mg/kg)	(mg/kg)	C <sub>6</sub> -C <sub>10</sub> (mg/kg)	C <sub>10</sub> -C <sub>28</sub> (mg/kg)	C <sub>6</sub> -C <sub>28</sub>	C <sub>28</sub> -C <sub>36</sub> (mg/kg)	C <sub>6</sub> -C <sub>36</sub> (mg/kg)	(mg/kg)
				Dolina	eation Soil Sa		(9/9/	(mg/kg)	(g/g/	(1119/119)	
V1 @ 6"	8/9/2022	0.5	Excavated	0.299	80.3	_	6,160	7,620	1,470	9,090	9.020
V1 @ 3'	9/28/2022	3	In-Situ	<0.050	< 0.300	1,460 <10.0	<10.0	<20.0	<10.0	<30.0	8,930 320
V1 @ 3 V2 @ 6"	8/9/2022	0.5	Excavated	2.47	412	5,550	9,250	14,800	1,940	<b>16,700</b>	192
V3 @ 6"	8/9/2022	0.5	Excavated	1.73	390	6,820	17,800	24,600	3,860	28,500	8,880
V3 @ 4'	9/28/2022	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
V4 @ 6"	8/9/2022	0.5	Excavated	1.65	219	4,200	37,300	41,500	10,600	52,100	16,600
V4 @ 4'	9/28/2022	4	In-Situ	< 0.050	4.45	73.3	449	522	80.1	602	272
V4 @ 6'	9/28/2022	6	In-Situ	< 0.050	< 0.300	<10.0	91.6	91.6	25.5	117	48.0
NHc	10/29/2023	0-0.5	In-Situ	< 0.050	< 0.300	<10.0	71.2	71.2	21.5	92.7	144
EHf	10/29/2023	0-0.5	In-Situ	< 0.050	< 0.300	<10.0	73.7	73.7	23.4	97.1	144
SHd	10/29/2023	0-0.5	In-Situ	< 0.050	0.524	<10.0	66.4	66.4	23.7	90.1	128
SH-2A	11/16/2023	0-0.5	In-Situ	< 0.050	< 0.300	<10.0	187	187	72.5	260	5,200
SH2-C	11/21/2023	0-0.5	In-Situ	-	-	<10.0	31.5	31.5	16.3	47.8	928
SH2-D	12/6/2023	0-0.5	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	160
WHc	10/29/2023	0-0.5	In-Situ	< 0.050	< 0.300	<10.0	88.7	88.7	29.1	118	128
WH-2	11/16/2023	0-0.5	In-Situ	< 0.050	< 0.300	<10.0	220	220	86.5	307	5,040
WH2-B	11/21/2023	0-0.5	In-Situ	-	-	<10.0	102	102	35.4	137	656
WH2-C	12/6/2023	0-0.5	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	176
WH-3	11/16/2023	0-0.5	In-Situ	< 0.050	< 0.300	<10.0	144	144	51.2	195	5,840
WH3-A	11/21/2023	0-0.5	In-Situ	-	-	<10.0	24.3	24.3	<10.0	24.3	1,330
WH3-C	12/6/2023	0-0.5	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	160
		1				Soil Samples		1	T	1	1
FL 1 @ 6 In	10/19/2023	0.5	In-Situ	< 0.050	< 0.300	<10.0	14.0	14.0	<10.0	14.0	6,530
FL 2 @ 6 In	10/19/2023	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,800
FL 3 @ 6 In	10/19/2023	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,800
FL 4 @ 6 In	10/19/2023	0.5	In-Situ	<0.050	1.28	32.3	606	638	179	817	8,000
FL 5 @ 6 In FL 6 @ 6 In	10/19/2023	0.5	In-Situ In-Situ	< 0.050	2.52 0.308	14.5 17.3	376 287	391 304	101 52.2	492 357	6,100 5,040
FL 7 @ 6 In	10/19/2023	0.5	Excavated	< 0.050	2.25	49.0	898	947	277	2,170	8,530
FL 7 @ 1 Ft	10/19/2023	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,600
FL 8 @ 6 In	10/24/2023	0.5	In-Situ	<0.050	0.415	<10.0	362	362	116	478	10.500
FL 9 @ 6 In	10/19/2023	0.5	In-Situ	< 0.050	0.319	<10.0	389	389	97.6	487	10,700
FL 10 @ 6 In	10/23/2023	0.5	In-Situ	< 0.050	< 0.300	<10.0	57.9	57.9	23.2	81.1	11,800
FL 11 @ 6 In	10/23/2023	0.5	In-Situ	< 0.050	< 0.300	<10.0	194	194	25.4	219	14,800
FL 12 @ 6 In	10/23/2023	0.5	In-Situ	< 0.050	< 0.300	<10.0	24.1	24.1	<10.0	24.1	6,800
FL 13 @ 6 In	10/23/2023	0.5	In-Situ	< 0.050	< 0.300	<10.0	230	230	58.9	289	2,320
FL 14 @ 6 In	10/23/2023	0.5	Excavated	< 0.050	1.64	35.3	3,490	3,530	1,080	4,610	1,160
FL #14	10/31/2023	1	In-Situ	< 0.050	< 0.300	<10.0	75.8	75.8	53.9	130	7,520
FL 15 @ 6 In	10/23/2023	0.5	In-Situ	< 0.050	< 0.300	<10.0	15.2	15.2	18.2	33.4	2,480
FL 16 @ 6 In	10/23/2023	0.5	In-Situ	< 0.050	1.36	24.1	950	974	232	1,210	10,200
FL 17 @ 6 In	10/23/2023	0.5	Excavated	< 0.050	0.489	24.3	1,510	1,530	371	1,910	6,000
FL #17	10/31/2023	1	In-Situ	< 0.050	< 0.300	<10.0	43.8	43.8	<10.0	43.8	8,500
FL 18 @ 6 In	10/23/2023	0.5	Excavated	< 0.200	51.1	695	4,050	4,750	1,010	5,760	9,400
FL #18	10/31/2023 yzed for that const	1	In-Situ	< 0.050	< 0.300	<10.0	37.9	37.9	<10.0	37.9	8,130

Dash (-): Sample not analyzed for that constituent. **Bold Text:** NMOCD Closure Criteria exceedance.

Red Text: NMOCD Reclamation Standard exceedance.
Red-outlined Cell: Highest observable concentration.

# Table 1 Concentrations of BTEX, TPH & Chloride in Soil Solaris Water Midstream, LLC Lobo 285 Frac Tank Overflow NMOCD Ref. #: nAPP2221532955

NM	OCD Closure C	riteria	111	10 CD RC	50	N/A	N/A	1,000	N/A	2,500	20,000
	CD Reclamation			10	50	N/A	N/A	N/A	N/A	100	600
Miloc	D Rectamation	Standard			6 8021B	IV/A		846 8015M		100	4500 CI
		Donath		5W 040	0 0021B			GRO +		l	4500 CI
Sample ID	Date	Depth (Feet)	Soil Status	Benzene	BTEX	GRO C <sub>6</sub> -C <sub>10</sub>	DRO C <sub>10</sub> -C <sub>28</sub>	DRO	ORO C <sub>28</sub> -C <sub>36</sub>	TPH C <sub>6</sub> -C <sub>36</sub>	Chloride
		(= ===)		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	C <sub>6</sub> -C <sub>28</sub>	(mg/kg)	(mg/kg)	(mg/kg)
FL 19 @ 6 In	10/23/2023	0.5	Excavated	< 0.200	48.8	711	4,700	(mg/kg) 5,410	1,300	6,710	9,600
FL #19	10/31/2023	1	In-Situ	< 0.050	< 0.300	<10.0	46.1	46.1	<10.0	46.1	8,660
FL 20 @ 6 In	10/31/2023	0.5	Excavated	< 0.100	33.1	869	7,980	8,850	1,800	10,600	9,060
FL #20	10/31/2023	1	Excavated	<1.00	138	1,690	4,380	6,070	1,110	7,180	6,640
FL #20	11/2/2023	1.5	Excavated	<0.050	15.3	425	2,660	3,090	601	3,690	1,550
FL 20	11/6/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	864
FL 21 @ 6 In	10/23/2023	0.5	Excavated	<0.200	91.2	936	3,420	4,360	862	5,220	7,460
FL #21	10/23/2023	1	Excavated	<1.00	113	1,300	3,870	5,170	1,050	6,220	6,560
FL #21	11/2/2023	1.5	Excavated	<0.500	75.8	2,070	5,950		1,030	· ·	2,640
FL 21	11/6/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<b>8,020</b> <20.0	<10.0	<b>9,280</b> <30.0	928
FL 22 @ 6 In	10/24/2023	0.5	In-Situ In-Situ	< 0.050	< 0.300	<10.0	348	348	122	470	10,400
FL 23 @ 6 In	10/24/2023	0.5	In-Situ	< 0.050	< 0.300	<10.0	25.3	25.3	<20.0	25.3	4,160
FL 24 @ 6 In	10/24/2023	0.5	Excavated	< 0.200	34.8	862	8,780	9,640	1,880	11,500	8,240
FL #24 @ 1	10/31/2023	1	Excavated	<0.200	76.8	1,170	3,440	4,610	952	5,560	6,000
FL 24	11/2/2023	1.5	Excavated	< 0.050	6.02	131	956	1,090	217	1,300	2,400
FL 24	11/6/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,280
FL 25 @ 6 In	10/24/2023	0.5	Excavated	0.277	97.8	1,450	7,120	8,570	1,590	10,200	10,300
FL #25	10/31/2023	1	Excavated	<0.100	49.3	836	2,940	3,780	868	4,640	7,760
FL 25	11/2/2023	1.5	Excavated	<0.500	86.8	2,460	6,700	9,160	1,390	10,600	2,080
FL 25	11/6/2023	2	In-Situ	< 0.050	< 0.300	24.7	171	196	13.0	209	1,200
FL #26	10/31/2023	0.5	In-Situ	< 0.050	1.87	60.8	789	850	232	1,080	10,800
FL #27	10/31/2023	0.5	In-Situ	< 0.050	2.90	60.1	736	796	191	987	10,100
FL 28 @ 6 In	10/24/2023	0.5	Excavated	< 0.050	8.57	154	3,970	4,120	1,370	5,490	16,400
FL 28 @ 1	11/1/2023	1	Excavated	< 0.100	48.1	1,060	4,550	5,610	965	6,580	3,680
FL 28	11/2/2023	1.5	Excavated	<0.500	86.5	1,520	3,670	5,190	777	5,970	1,840
FL 28	11/6/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	688
FL 29 @ 6 In	10/24/2023	0.5	Excavated	< 0.050	1.91	161	1,880	2,040	468	2,510	5,840
FL 29 @ 1	11/1/2023	1	Excavated	< 0.100	51.9	944	4,090	5,030	841	5,880	3,840
FL 29	11/2/2023	1.5	Excavated	<0.500	41.6	586	1,580	2,170	363	2,530	960
FL 29	11/6/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	688
FL 30 @ 6 In	10/24/2023		Excavated	<0.200	60.6	1,350	7,060	8,410	1,560	9,970	6,560
FL 30 @ 1	11/1/2023	1	In-Situ	< 0.050	1.30	18.2	362	380	97.7	478	9,800
FL 31 @ 6 In	10/24/2023	0.5	Excavated	< 0.050	141	3,350	7,170	10,500	1,480	12,000	8,660
FL 31 @ 1	11/1/2023	1	In-Situ	< 0.050	1.24	23.2	462	485	117	602	10,400
FL #32 @ 6 In	10/29/2023	0.5	Excavated	< 0.050	20.3	623	3,120	3,740	718	4,460	2,000
FL 32	11/2/2023	1	Excavated	0.606	138	2,200	5,640	7,840	1,070	8,910	2,000
FL 32	11/6/2023	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,040
FL #33 @ 6 In	10/29/2023	0.5	Excavated	< 0.050	21.2	737	3,050	3,790	701	4,490	1,520
FL 33	11/2/2023	1	Excavated	< 0.050	8.28	158	1,080	1,240	247	1,490	2,800
FL 33	11/6/2023	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	960
FL #34 @ 6 In	10/29/2023	0.5	Excavated	< 0.050	19.5	565	2,950	3,520	688	4,200	1,870
FL 34	11/2/2023	1	Excavated	< 0.050	4.99	182	1,180	1,360	268	1,630	3,080
FL 34	11/6/2023	1.5	In-Situ	< 0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,140
FL #35 @ 6 In	10/26/2023	0.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,440
FL #36 @ 6 In	10/26/2023		In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,380
Dash (-): Sample not analy			2110	10.020	10.500	120.0	120.0	1_0.0	120.0		1,500

Dash (-): Sample not analyzed for that constituent. **Bold Text:** NMOCD Closure Criteria exceedance.

Red Text: NMOCD Closure Chiefla exceedance.
Red-outlined Cell: Highest observable concentration.

## Table 1 Concentrations of BTEX, TPH & Chloride in Soil Solaris Water Midstream, LLC Lobo 285 Frac Tank Overflow

NMOCD Ref. #: nAPP2221532955

NMOCD Ref. #: nAPP2221532955											
NM	OCD Closure C	riteria		10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOC	CD Reclamation	Standard		10	50	N/A	N/A	N/A	N/A	100	600
				SW 840	6 8021B		SW 846 8015M Ext.				4500 Cl
Sample ID	Date	Depth (Feet)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
FL #37 @ 6 In	10/26/2023	0.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	432
FL #38 @ 6 In	10/26/2023	0.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	480
FL #39 @ 6 In	10/26/2023	0.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
FL #40 @ 6 In	10/27/2023	0.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	944
FL #41 @ 6 In	10/27/2023	0.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	816
FL #42 @ 6 In	10/27/2023	0.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	960
FL #43 @ 6 In	10/27/2023	0.5	In-Situ	< 0.050	< 0.300	<10.0	10.4	10.4	<10.0	10.4	800
FL #44 @ 6 In	10/27/2023	0.5	In-Situ	< 0.050	< 0.300	<10.0	15.4	15.4	<10.0	15.4	2,030
FL #45 @ 6 In	10/27/2023	0.5	In-Situ	< 0.050	< 0.300	<10.0	10.5	10.5	<10.0	10.5	2,030
FL #46 @ 6 In	10/27/2023	0.5	In-Situ	< 0.050	< 0.300	<10.0	14.4	14.4	<10.0	14.4	2,000
FL #47 @ 0-3 In	10/26/2023	0.25	Excavated	< 0.050	22.6	734	5,290	6,020	1,550	7,570	1,280
FL #47 @ 6 In	10/27/2023	0.5	Excavated	< 0.050	< 0.300	<10.0	11.4	11.4	<10.0	11.4	2,240
FL 47 @ 1	11/1/2023	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,680
FL #48 @ 0-3 In	10/26/2023	0-0.25	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,680
FL #49 @ 0-3 In	10/26/2023	0-0.25	In-Situ	< 0.050	0.723	11.1	185	196	21.4	218	6,960
FL #50 @ 0-3 In	10/26/2023	0-0.25	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,900
FL #51 @ 0-3 In	10/26/2023	0-0.25	In-Situ	< 0.050	< 0.300	<10.0	180	180	45.9	226	3,680
FL #52 @ 0-3 In	10/26/2023	0-0.25	In-Situ	< 0.050	< 0.300	<10.0	103	103	11.3	114	2,080
FL #53 @ 2'	10/26/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL #54 @ 4 Ft	10/26/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,600
FL #55 @ 2-4 Ft	10/27/2023	2-4	In-Situ	< 0.050	< 0.300	<10.0	77.4	77.4	<10.0	77.4	128
NW-1	10/26/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	384
NW-2	10/27/2023	0-1	In-Situ	< 0.050	< 0.300	<10.0	373	373	121	494	2,600
NW-3	10/27/2023	0-0.25	In-Situ	< 0.050	< 0.300	<10.0	416	416	137	553	2,920
NW-4	10/27/2023	0-0.25	In-Situ	< 0.050	< 0.300	<10.0	198	198	68.4	266	2,840
NW-5	10/27/2023	0-0.25	In-Situ	< 0.050	< 0.300	<10.0	98.6	98.6	25.4	124	2,680
NW-6	10/27/2023	0-0.25	In-Situ	< 0.050	< 0.300	<10.0	289	289	98.1	387	8,800
NW-7	10/27/2023	0-0.25	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,220
NW-8	10/29/2023	0-1	In-Situ	< 0.050	< 0.300	<10.0	111	111	38.9	150	2,880
EW-1	10/26/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	19.8	19.8	<10.0	19.8	96.0
EW-2	10/26/2023		In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
EW-3	10/27/2023		In-Situ	< 0.050	< 0.300	<10.0	97.2	97.2	19.0	116	160
EW-4	10/29/2023		In-Situ	< 0.050	< 0.300	<10.0	153	153	57.0	210	3,280
EW-5	10/29/2023		In-Situ	< 0.050	< 0.300	<10.0	133	133	50.3	183	3,200
EW-6	10/29/2023		Excavated	< 0.050	< 0.300	138	2,270	2,410	588	3,000	1,880
EW-6	11/2/2023	0-1.5	Excavated	< 0.500	47.8	425	1,060	1,490	221	1,710	1,020
EW 6	11/6/2023	0-1.5	In-Situ	< 0.050	< 0.300	<10.0	138	138	32.5	171	2,240
EW-7	10/29/2023	0-1	Excavated	< 0.050	< 0.300	151	2,540	2,690	678	3,370	1,640
EW-7	11/2/2023	0-1	Excavated	< 0.500	44.0	483	1,270	1,750	266	2,020	1,090
EW 7	11/6/2023	0-1	In-Situ	< 0.050	< 0.300	<10.0	258	258	133	391	1,620
SW-1	10/26/2023		In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
SW-2	10/27/2023		In-Situ	< 0.050	< 0.300	<10.0	500	500	171	671	3,120
SW-3	10/27/2023		In-Situ	< 0.050	< 0.300	<10.0	579	579	200	779	2,720
SW-4	10/27/2023		In-Situ	< 0.050	< 0.300	<10.0	199	199	73.4	272	2,880
SW-5	10/27/2023	0-0.25	In-Situ	< 0.050	< 0.300	<10.0	176	176	58.9	235	1,960

Dash (-): Sample not analyzed for that constituent.

Bold Text: NMOCD Closure Criteria exceedance.
Red Text: NMOCD Reclamation Standard exceedance.
Red-outlined Cell: Highest observable concentration.

# Table 1 Concentrations of BTEX, TPH & Chloride in Soil Solaris Water Midstream, LLC Lobo 285 Frac Tank Overflow NMOCD Ref. #: nAPP2221532955

			111	TOCD Re	1. π. ΠΑΙ Ι	22213323	33				
NMO	OCD Closure C	riteria		10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOC	D Reclamation	Standard		10	50	N/A	N/A	N/A	N/A	100	600
				SW 840	6 8021B		SW	846 8015M	Ext.		4500 Cl
Sample ID	Date	Depth	Soil Status	Benzene	BTEX	GRO	DRO	GRO + DRO	ORO	TPH	Chloride
~~~ <b>-</b>		(Feet)		(mg/kg)	(mg/kg)	C <sub>6</sub> -C <sub>10</sub>	C <sub>10</sub> -C <sub>28</sub>	C <sub>6</sub> -C <sub>28</sub>	C <sub>28</sub> -C <sub>36</sub>	C <sub>6</sub> -C <sub>36</sub>	(mg/kg)
				. 0 0	. 0 0	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	. 0 0
SW-6	10/27/2023	0-0.25	In-Situ	< 0.050	< 0.300	<10.0	271	271	94.2	365	10,100
SW-7	10/27/2023	0-0.25	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,340
SW-8	10/29/2023	0-0.5	Excavated	< 0.050	< 0.300	105	1,760	1,870	467	2,330	1,550
SW-8B	11/1/2023	0-0.5	Excavated	<1.00	92.1	2,620	8,600	11,200	1,840	13,100	3,160
SW-8	11/3/2023	0-0.5	In-Situ	< 0.050	< 0.300	<10.0	122	122	22.6	145	2,200
SW-9	10/29/2023	0-0.5	Excavated	< 0.050	< 0.300	122	2,160	2,280	574	2,860	1,730
SW-9B	11/1/2023	0-0.5	Excavated	<1.00	113	2,910	7,500	10,400	1,750	12,200	3,040
SW-9	11/3/2023	0-0.5	In-Situ	< 0.050	< 0.300	<10.0	67.7	67.7	27.7	95.4	1,680
WW-1	10/26/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
WW-2	10/26/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
WW-3	10/27/2023	0-0.25	In-Situ	< 0.050	< 0.300	<10.0	138	138	30.1	168	144
		Ex	cavation Confi	rmation Soil	Samples - Re	mediated in		5752			
FL #1 @ 3"	9/27/2023	0.25	In-Situ	< 0.050	< 0.300	<10.0	103	103	99.4	202	160
FL #2 @ 3"	9/27/2023	0.25	Excavated	< 0.050	0.305	135	9,920	10,100	3,590	13,600	1,280
FL 2 @ 6 In	10/6/2023	0.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
FL #3 @ 3"	9/27/2023	0.25	In-Situ	< 0.050	< 0.300	<10.0	88.5	88.5	61.3	150	560
FL #4 @ 3"	9/27/2023	0.25	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
FL #5 @ 3"	9/27/2023	0.25	In-Situ	< 0.050	< 0.300	<10.0	227	227	168	395	1,040
FL 6 @ 3 In	10/9/2023	0.25	In-Situ	< 0.050	< 0.300	<10.0	294	294	71.4	365	9,330
FL 7 @ 3 In	10/9/2023	0.25	In-Situ	< 0.050	< 0.300	<10.0	269	269	149	418	144
FL #8 @ 3"	9/27/2023	0.25	Excavated	< 0.050	< 0.300	<10.0	1,510	1,510	68.5	1,580	8,800
FL 8 @ 6 In	10/6/2023	0.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	656
FL #9 @ 3"	9/27/2023	0.25	In-Situ	< 0.050	< 0.300	<10.0	145	145	32.2	177	12,200
FL #10 @ 3"	9/27/2023	0.25	Excavated	< 0.050	< 0.300	<10.0	2,860	2,860	1,200	4,060	20,000
FL 10 @ 6 In	10/6/2023	0.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	496
FL #11 @ 3"	9/27/2023	0.25	Excavated	< 0.050	0.789	<100	12,200	12,200	4,790	17,000	6,400
FL 11 @ 6 In	10/6/2023	0.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	384
FL #12 @ 3"	9/27/2023	0.25	Excavated	< 0.050	0.726	<100	14,600	14,600	5,680	20,300	5,040
FL 12 @ 6 In	10/6/2023	0.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	880
FL #13 @ 3"	9/28/2023	0.25	Excavated	< 0.050	< 0.300	<10.0	4,580	4,580	1,860	6,440	8,800
FL 13 @ 6 In	10/9/2023		In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,000
FL #14 @ 3"	9/28/2023	0.25	In-Situ	< 0.050	< 0.300	<10.0	37.6	37.6	10.3	47.9	19,200
FL #15 @ 3"	9/28/2023	0.25	In-Situ	< 0.050	< 0.300	<10.0	44.1	44.1	24.0	68.1	6,400
FL #16 @ 3"	9/28/2023	0.25	Excavated	< 0.050	< 0.300	<10.0	3,040	3,040	1,370	4,410	10,000
FL 16 @ 6 In	10/9/2023	0.5	Excavated	< 0.050	< 0.300	86.2	1,330	1,420	361	1,780	1,360
FL 16 @ 1 Ft	10/13/2023	1	In-Situ	< 0.050	< 0.300	<10.0	17.7	17.7	<10.0	17.7	1,170
FL #17 @ 3"	9/28/2023	0.25	Excavated	< 0.050	< 0.300	13.1	6,110	6,120	2,110	8,230	16,400
FL 17 @ 6 In	10/9/2023	0.5	In-Situ	< 0.050	< 0.300	<10.0	13.3	13.3	<10.0	13.3	2,800
FL #18 @ 3"	9/28/2023	0.25	Excavated	< 0.050	< 0.300	21.8	6,350	6,370	2,150	8,520	3,200
FL 18 @ 6 In	10/9/2023	0.5	Excavated	< 0.050	< 0.300	94.2	1,670	1,760	438	2,200	2,200
FL 18 @ 1 Ft	10/13/2023	1	In-Situ	< 0.050	< 0.300	<10.0	46.5	46.5	165	63.0	2,200
FL #19 @ 3"	9/28/2023	0.25	Excavated	< 0.050	0.649	<100	15,300	15,300	5,570	20,900	3,680
FL 19 @ 6 In	10/9/2023	0.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,840
FL #20 @ 3"	9/28/2023	0.25	In-Situ	< 0.050	< 0.300	<10.0	39.4	39.4	<10.0	39.4	5,840
FL #21 @ 3"	9/28/2023	0.25	Excavated	< 0.050	< 0.300	<10.0	1,180	1,180	625	1,810	11,000

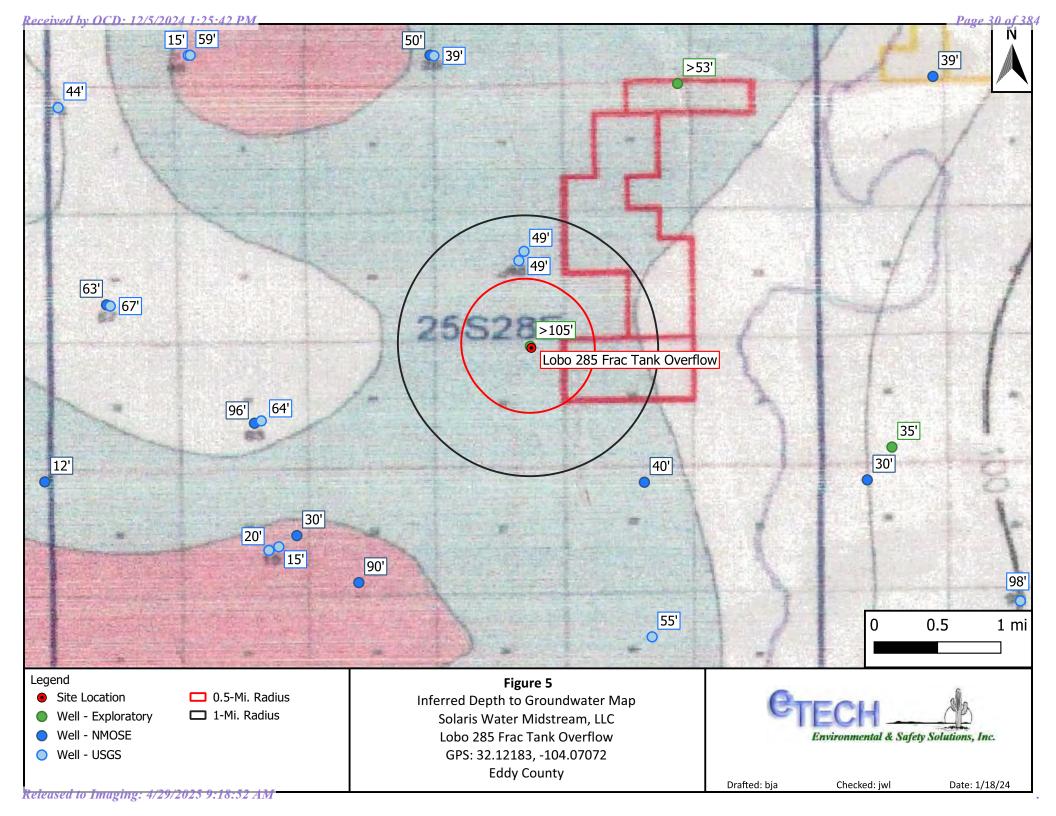
Dash (-): Sample not analyzed for that constituent. **Bold Text:** NMOCD Closure Criteria exceedance.

Red Text: NMOCD Reclamation Standard exceedance. Red-outlined Cell: Highest observable concentration.

Table 1
Concentrations of BTEX, TPH & Chloride in Soi
Solaris Water Midstream, LLC
Lobo 285 Frac Tank Overflow
NMOCD Ref. #: nAPP2221532955

NM	10	50	N/A	N/A	1,000	N/A	2,500	20,000			
NMOC	NMOCD Reclamation Standard					N/A	N/A	N/A	N/A	100	600
	SW 840	6 8021B		4500 Cl							
Sample ID	Date	Depth (Feet)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
FL 21 @ 6 In	10/9/2023	0.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	< 20.0	<10.0	<30.0	6,240
FL #22 @ 3"	9/28/2023	0.25	In-Situ	< 0.050	< 0.300	<10.0	151	151	66.2	217	2,320
FL #24 @ 3"	9/28/2023	0.25	In-Situ	< 0.050	< 0.300	<10.0	377	377	273	650	6,800
FL #25 @ 3"	9/28/2023	0.25	Excavated	< 0.050	< 0.300	<10.0	2,680	2,680	1,230	3,910	21,600
FL 25 @ 1 Ft	10/9/2023	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,640
FL #26 @ 3"	9/28/2023	0.25	Excavated	< 0.050	< 0.300	<10.0	3,400	3,400	1,390	4,790	15,600
FL 26 @ 1 Ft	10/9/2023	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,000
FL #27 @ 3"	9/28/2023	0.25	Excavated	< 0.050	< 0.300	<10.0	2,050	2,050	840	2,890	4,640
FL 27 @ 1 Ft	10/9/2023	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,880
NW1	10/9/2023	0-0.5	Excavated	< 0.050	< 0.300	<10.0	33.8	33.8	15.4	49.2	22,800
NW1B	10/13/2023	0-0.5	In-Situ	< 0.050	< 0.300	<10.0	15.7	15.7	<10.0	15.7	992
EW2	10/9/2023	0-1	Excavated	< 0.050	< 0.300	<10.0	118	118	58.3	176	26,800
EW2B	10/13/2023	0-1	In-Situ	< 0.050	< 0.300	<10.0	23.7	23.7	<10.0	23.7	1,920
SW3	10/13/2023	0-1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
WW2	10/9/2023	0-1	In-Situ	< 0.050	< 0.300	<10.0	276	276	151	427	5,680
WW5	10/13/2023	0-0.25	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240

## Appendix A Depth to Groundwater Information





### Soil Boring/Temporary Monitor Well SB-1

**Company:** Solaris Water Midstream, LLC **Site:** Lobo 285 SWD Water Reuse

NMOCD Reference #: nAPP2135135752

Location: Eddy Co., NM

PLSS: U/L "A", Sec. 22, T25S, R28E

Well/Borehole ID: SB-1

Coordinates (NAD 83): 32.121596,-104.072229

Drilling Date: 6/15/2022

Depth of Boring (ft): 105

Depth to Groundwater (ft): >105

Plugging Date: 6/20/2022

Drilling Company: Vision Resources
Driller: Jason Maley (NM License #1833)

Drilling Method: Air Rotary Logged By: Jason Maley Drafted By: B.J. Arguijo Draft Date: 8/2/2023

Casing: N/A Screen: N/A

Completion: N/A
Comments: N/A

Depth (ft)	Groundwater	Lithology	Material Description	Petroleum Odor	Petroleum Stain	PID Reading	Well Construction	
_			Silty sand with gravel, light brown	-	-	-		
<del>-</del> 5				_	_	_		
_ 10								
_ _ 15				-	-	-		
20				-	-	-		
E		9. X	Small gravel with clay, light brown	-	-	-		
_ 25 _				_	_	_		
30			Silty sand, light brown					
_ _ 35			only ounter, ngitt brown	-	-	-		
_ _ 40				-	-	-		
E				-	-	-		
<del>-</del> 45				_	_	_		
_ 50			Clay with sand, light brown					Hole
_ _ 55				-	-	-		Open Hole
_ _ 60				-	-	-		0
E				-	-	-		
<del>-</del> 65				_	_	_		
70			Fine sand with silty sand and trace clay, light brown					
_ _ 75			, , , , ,	-	-	-		
_ 80				-	-	-		
E		9.08	Very fine sand with silty sand and trace gravel, brown	-	-	-		
<del>-</del> 85		000		_	_	_		
90			Sand with clay, light brown					
_ _ 95				-	-	-		
100				-	-	-		
			Clay with silty sand, light brown	-	-	-		
<del>105</del>			Notes:					
110			<ul> <li>Lines between material types represent approximate boundaries. Actual transitions may be gradual.</li> </ul>					
115			• The exploratory soil boring was left open for 72 hours. No indications of inflow and/or accumulation of water were noted during the advancement of the soil boring.					
	<u> </u>			l	]			

**Disclaimer** This bore log is intended for environmental not geotechnical purposes.



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

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

(R=POD has been replaced, O=orphaned,

C=the file is

closed)

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

(quarters are smallest to

largest) (NAD83 UTM in meters) (In feet)

		POD								,		,		,	<u>'</u>	
		Sub-		Q	Q (	Q										Water
POD Number	Code	basin	County	64	16	4 S	ec	Tws	Rng	X	Υ	Distan	ceDep	thWellDep	thWaterC	column
C 04660 POD1		CUB	ED	2	1 :	2 2	22	25S	28E	587519	3554290	) 1	45	105		
C 01522		С	ED			1 2	22	25S	28E	586843	3554004*	) 8	76	150		
<u>C 01453</u>		С	ED		1 :	2 2	26	25S	28E	589096	3552612*	22	29	70	40	30

Average Depth to Water: 40 feet

> Minimum Depth: 40 feet

Maximum Depth:

40 feet

#### Record Count:3

UTMNAD83 Radius Search (in meters):

Easting (X): 587661 Northing (Y): 3554317.77 **Radius: 3220** 

#### \*UTM location was derived from PLSS - see Help

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

8/21/23 3:50 PM

WATER COLUMN/ AVERAGE DEPTH TO **WATER** 



### New Mexico Office of the State Engineer **Point of Diversion Summary**

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

**Well Tag POD Number**  Q64 Q16 Q4 Sec Tws Rng

X

C 04660 POD1 NA

**Drill Start Date:** 06/15/2022

2 22 25S 28E

587519 3554290

**Driller License: 1833** 

**Driller Company:** 

VISION RESOURCES, INC

**Driller Name:** 

MALEY, JASONASTR.L.NER

**Drill Finish Date:** 06/15/2022

Plug Date:

06/20/2022

Log File Date:

06/05/2023

**PCW Rcv Date:** 

Source:

**Pump Type:** 

Pipe Discharge Size:

**Estimated Yield:** 

Casing Size:

Depth Well:

105 feet

**Depth Water:** 

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

8/21/23 3:52 PM

POINT OF DIVERSION SUMMARY



### New Mexico Office of the State Engineer

### **Point of Diversion Summary**

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag POD Number Q64 Q16 Q4 Sec Tws Rng

X

 $\mathbf{Y}$ 

C 01522

1 22 25S 28E

586843 3554004\*

**Driller License: 30** 

**Driller Company:** 

Diffiel License. 50

BARRON, EMMETT

**Driller Name:** 

BARRON, EMMETT

**Drill Finish Date:** 

09/10/1974

**Plug Date:** 

Drill Start Date: Log File Date: 07/15/1974 10/03/1974

**PCW Rcv Date:** 

Source:

Pump Type:

Pipe Discharge Size:

**Estimated Yield:** 

Casing Size:

Depth Well:

150 feet

**Depth Water:** 

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

1/11/22 2:35 PM

POINT OF DIVERSION SUMMARY

<sup>\*</sup>UTM location was derived from PLSS - see Help



### New Mexico Office of the State Engineer

### **Point of Diversion Summary**

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag POD Number Q64

Q64 Q16 Q4 Sec Tws Rng

X Y

C 01453

1 2 26 25S 28E

589096 3552612\*

9

**Driller License: 30** 

**Driller Company:** 

BARRON, EMMETT

Driller Name:

BARRON, EMMETT

Drill Finish Date:

07/20/1971

Plug Date:

**Drill Start Date:** 

07/17/1971 08/02/1971

PCW Rcv Date:

Pipe Discharge Size:

07/20/19/1

Source:

Shallow

Log File Date: Pump Type:

PCW Rev D

**Estimated Yield:** 

:

**Casing Size:** 

6.00 **Depth Well:** 

70 feet

Depth Water:

40 feet

Water Bearing Stratifications:

Top Bottom Description

50

70 Shale/Mudstone/Siltstone

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

1/11/22 2:35 PM

POINT OF DIVERSION SUMMARY

<sup>\*</sup>UTM location was derived from PLSS - see Help

Click forNews Bulletins

Groundwater levels for the Nation

Tab-separated data Graph of data

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs site\_no list =

• 320749104041001

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

#### USGS 320749104041001 25S.28E.15.23000

Eddy County, New Mexico Latitude 32°07'54.6", Longitude 104°04'20.3" NAD83 Land-surface elevation 2,949.30 feet above NGVD29 The depth of the well is 70 feet below land surface. This well is completed in the Other aguifers (N9999OTHER) national aguifer. This well is completed in the Rustler Formation (312RSLR) local aquifer.

**Output formats** 

teselect period											
Date \$	Time \$	? Water- level date-time accuracy	? Parameter  code	Water level, feet \$ below land surface	Water level, feet above \$ specific vertical datum	Referenced vertical \$ datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1975-12-09		D	72019	48.50			1	Z			А
1976-01-16		D	72019	48.66			1	Z			А
1977-01-14		D	72019	48.93			1	Z			А
1978-02-23		D	72019	49.79			1	Z			Α
1983-02-01		D	72019	46.67			1	Z			А
1987-10-14		D	72019	45.03			1	Z			А
1992-11-04		D	72019	47.95			Р	S			Α

Date \$	Time \$	? Water-level date-time accuracy	? Parameter   code	Water level, feet below land surface	Water level, feet above \$ specific vertical datum	Referenced vertical \$\phi\$ datum	? Status	? Method of measurement	? Measuring \$\frac{1}{2}\$ agency	? Source of measurement	? Water- level approval status	<b>\$</b>
1998-01-23		D	72019	49.94			1	S				А
2003-01-27		D	72019	49.87			1	S	USGS	S		А
2013-01-10	18:45 UTC	m	72019	49.43			1	S	USGS	S		Α

#### Explanation

Section \$	Code \$	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	Р	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	Α	Approved for publication Processing and review completed.

Questions or Comments
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Accessibility FOIA Privacy Policies and Notices

<u>U.S. Department of the Interior</u> | <u>U.S. Geological Survey</u> **Title: Groundwater for USA: Water Levels** 

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

OKE: HELPS://HWIS.Waterdata.usgs.gov/HWIS/gwievels

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2023-08-21 17:47:05 EDT

0.35 0.25 nadww01





Click forNews Bulletins

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

**Agency code =** usgs site\_no list =

• 320758104041601

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

#### USGS 320758104041601 25S.28E.15.23231

Eddy County, New Mexico Latitude 32°07'58", Longitude 104°04'16" NAD27 Land-surface elevation 2,962 feet above NAVD88 This well is completed in the Other aquifers (N9999OTHER) national aquifer. This well is completed in the Rustler Formation (312RSLR) local aquifer.

**Output formats** 

#### Table of data Tab-separated data Graph of data Reselect period Water ? Water ? level, level, ? feet Referenced Waterfeet Water-Date Time ≎ above vertical Measuring **Parameter** below Method of Source of level specific datum Status date-time code land measurement agency measurement approval vertical accuracy surface status datum D 72019 1 Ζ 1948-12-06 48.85

#### Explanation

Section \$	Code \$	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	А	Approved for publication Processing and review completed.

Questions or Comments
Automated retrievals
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Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey

Title: Groundwater for USA: Water Levels

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

Page Contact Information: <u>USGS Water Data Support Team</u>

Page Last Modified: 2023-08-21 17:48:02 EDT

0.3 0.26 nadww01





0

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Groundwater levels for the Nation

■ Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs site\_no list =

• 320649104062401

72019

63.89

Minimum number of levels = 1

Table of data

Tab-separated data

Graph of data

1998-01-23

Save file of selected sites to local disk for future upload

#### USGS 320649104062401 25S.28E.20.41321

Eddy County, New Mexico
Latitude 32°06'49", Longitude 104°06'24" NAD27
Land-surface elevation 3,007 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

**Output formats** 

ate \$	Time \$	? Water- level date-time accuracy	? Parameter   code	Water level, feet below land surface	Water level, feet above \$ specific vertical datum	Referenced vertical \$ datum	? Status	? Method of measurement	? Measuring \$ agency	? Source of measurement	? Water- level approval status
1983-10-07		D	72019	63.80			1	Z			
1987-10-13		D	72019	63.04			1	Z			
1992-11-03		D	72019	63.20			1	S			

#### Explanation

Section \$	Code \$	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	Α	Approved for publication Processing and review completed.

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U.S. Department of the Interior | U.S. Geological Survey

Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u>

Page Last Modified: 2023-09-08 18:00:42 EDT

0.36 0.32 nadww01

USA.gov

## Appendix B Field Data



Date:

9/23/22

Project:

Nutan Rian to Piper Ripeline

Project Number:

15453

Latitude:

32.472935

Longitude:

-103 216014

Sample ID	PID/Odor	Chloride Conc.	GPS
14 @ surface	Strong	806 2552	
1401'	Strong	80 2552	
402'	Strong	6.8 /652	
1463,	Some	3.8 536	
V484. A	light	3.0 356	4
11406' *	none	1.0 7/28	
130 Surface	Strong	2.0 2512	
13 61'	strong	8-0 1552	
1362'	Jone	8.0 2552	
1363'	light	5.6 096	
V3P4' *	pone	1.6 7/28	
VI @ Surlace	Strona	1.6 7/28 8.0 2552	
11 P2'	Strong	8.0 1552	
VI 63° *	1.44	5.0 900	
1104'	hone	2.2 212	
	None	1.8 /28	
		7.0	
,			
***			
			1
¥			

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

**GPS Sample Points, Center of Comp Areas** 

Released to Imaging: 4/29/2025 9:18:52 AM

6	₩.
ETECH	125
IEGII-	
Environmental & S	afety Solutions, Inc.

Date:		

Project:	Lobo	285	Frac	Tank	Overflow
----------	------	-----	------	------	----------

Project Number: 16409 Latitude: 32.122023 Longitude: -104.07183

Sample ID	PID/Odor	Chloride Conc.	GPS
Flecin		4448	
FLZ C 6:19		3.768	
FL3 @ Lin		1,024	-
FLU @ 6in		5,660	
81 5 3 61A		6,124	
c & 3 6in	war-sinch of strength of the service	4.448	
Fl 70 5-in		8380	
FL 8 @ 6		908/	
1185 7		9851	
F110 P614		9852	
FL 11 & 6 in	-	15,16	45
File Com		5660	
FL 13 @ 6in	Madana.	1.764	
FL 14 6 6:n	*ENERGANA	10.597	
FL 150 6:21	-2579450°-	2.896	
FL 17 @ 6; h	(D)	10.764	
FL 17 @ 6:h		6624	
Fl 18 @ 6:n =		11;6)d	
FL 19 @ Lin Fl 20 @ Lin		11,632	
F12006in		11,028	
F1.2101.in		11,028	<u> </u>
FL 22@ Lin		13, 354	
FL 23@lin		5,164	
FL 24@ 6in		9,084	
F1.250 Lin		13,864	
FL2606in	# High		
FL 270 (in	# High	7.164	
FL 70 1F+	1 131	<b>8</b> 18, 624	
F/ 080 Lin	- hitae		
C1 70 0 1 15	1: HHe	7.752 4.629	
D 710/ -	1,5+18	10 /90	
FL 290 Lin FL 300 Lin FL 310 Lin FL 330 Lin FL 330 Lin FL 350 Lin FL 350 Lin	C	16, 692 6, 624 5, 164 10, 692	
E1 73@/ 1=		711.0	
F) 340/in	_	101.90	
E1 7501		9,852	
10/13/0/4/11	L	11:X)~	<u> </u>

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

**GPS Sample Points, Center of Comp Areas** 

6	R
ETECH	(42)
Environmental & Safe	ety Solutions, Inc.

Date:	

Project: Lobo 285 Frac Tank Overflow

Project Number: 16409 Latitude: 32.122023 Longitude: -104.07183

Sample ID	PID/Odor	Chloride Conc.	GPS
FL 47 63-312		2,896	
82 48 @ A-312n		0,096	
ロルイの月九二マギュ		2/852	-
E' 50 @ 9-310	مسن	195/01/2	
EL 51/0 9-3:0	-	4,448	
61 50 0 6-312 C1 51 0 0-312 6 5 5 2 0 0 - 312 F2 3 C 0 Lin + 6 2 5 3 0 2 6 t		36456	
F23604in -		1,984 -	
62536264		120	
WU-1		176	
EW-1		174	
F2#3706in		872	
EL 38 A Lin FL 34 A Lin		1/129	
FLZGOLIN		1/124	
E1240264	-	949	
NW-ai		1.8/6	
5 hi -1		1/292	
FW-2		1.292	
WW -2		1/092	
F1 54 @ 7 F4		969	
5154@3F+4		1,292	
NW-	- #		
56-1		708	
FW-2		832	
<b>₩-2</b>	_	832	
1/11/2-1		1000 4999	
512-1		900	
<b>\$</b> E0-2		449	
1212-2		592	
5/1-1		ejejej	
YL-10 QUIN	-	1,648 1,242 872	
FLUICLIA		1,292	
71.9000 in		832	
764300 6 m	ļ	V048 V480 V372	
F14160 Lin		1,480	
FLYICALIA FLYICALIA FLYICALIA FLYICALIA FLYICALIA FLYICALIA FLYICALIA FLYICALIA FLYICALIA FLYICALIA	ļ	1,312	
PLYLOLIN		11,816	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas



Date:			

Project: Lobo 285 F	Frac Tank Overflow
---------------------	--------------------

 Project Number:
 16409
 Latitude:
 32.122023
 Longitude:
 -104.07183

Sample ID	PID/Odor	Chloride Conc.	GPS
NW-2	_	1.292	
5 W-2	_	1.480	
1012-7-		1,480	
SW-3		1.090	
N(x)-9	_	N 216	
512-9	~	1/180 1-41 x -	
NW-5 =		144 / X	
5 W - 5		19as	
N. 19-1.	_	930	
511-1		964	
N(C)=2		760	
NO-2 -30-7		969	
F15502-48+		280	
(111-3		176	
E133		176	
NW-S		2,896	
EW-1		3, 456	
<u>ξω-ς</u>		2,89 (%	***
5 W - Q		1170	
<b>50</b> -9		1.3801	
EW-G		V, 21 2	
E13-7			
NH D SUFFEREN TOFF		188	
51-10 Scrface 110tt		280	
EH @SurFace 1508+		999	
WH @ Surface 90ft		216	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

# Appendix C Photographic Log

**Photo Number:** 

1

**Photo Direction:** East-Northeast

**Photo Description:** 



View of the affected area.

Photo Number:
2
Photo Direction:
South-Southeast

**Photo Description:** 

View of the affected area.



**Photo Number:** 

3

**Photo Direction:** South-Southeast

**Photo Description:** 



View of the affected area.

**Photo Number:** 

4

Photo Direction:

East-Southeast

**Photo Description:** 

View of the affected area.



**Photo Number:** 

5

**Photo Direction:** West-Northwest

**Photo Description:** 



View of the affected area.

Photo Number:

6

**Photo Direction:** South-Southeast

**Photo Description:** 

View of the Commingled Area.



Photo Number:
7
Photo Direction:
Northwest
Photo Description:

View of the excavated area.



Photo Number: 8 Photo Direction: North-Northwest Photo Description:

Photo Description:

View of the excavated area.



Photo Number: 9 Photo Direction:

West
Photo Description:

View of the excavated area.



**Photo Number:** 

10

**Photo Direction:** 

West

**Photo Description:** 

View of the excavated area.



**Photo Number:** 

11

**Photo Direction:** 

West

**Photo Description:** 

View of the excavated area.



**Photo Number:** 

12

Photo Direction:

North

**Photo Description:** 

View of the excavation in the Commingled Area.

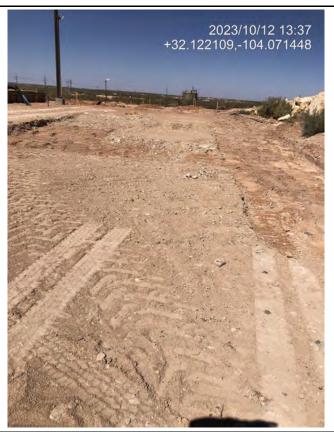


Photo Number:

13

**Photo Direction:** 

North

**Photo Description:** 

View of the remediated area after backfill and regrading.



**Photo Number:** 

14

**Photo Direction:** 

Northwest

**Photo Description:** 

View of the remediated area after backfill and regrading.



**Photo Number:** 

15

**Photo Direction:** 

East-Southeast

**Photo Description:** 

View of the remediated area after backfill and regrading.



**Photo Number:** 

16

**Photo Direction:** 

Northwest

**Photo Description:** 

View of the remediated area after backfill and regrading.



**Photo Number:** 

17

Photo Direction: Northwest

**Photo Description:** 

View of the remediated area after backfill and regrading.



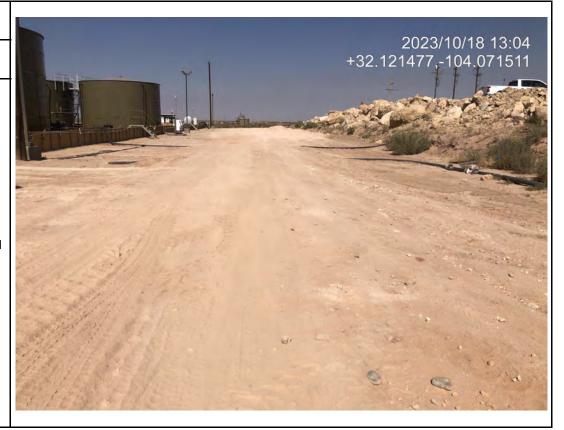
**Photo Number:** 

18

Photo Direction: North

**Photo Description:** 

View of the remediated Commingled Area after backfill and regrading.



## Appendix D Laboratory Analytical Reports (nAPP2221532955)



July 27, 2023

JOEL LOWRY
Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS, NM 88240

RE: LOBO 285 "DRILLING TRUCK"

Enclosed are the results of analyses for samples received by the laboratory on 07/21/23 12:58.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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.

Celey D. Keine

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. Keene

Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/21/2023 Sampling Date: 07/19/2023

Reported: 07/27/2023 Sampling Type: Soil

Project Name: LOBO 285 "DRILLING TRUCK" Sampling Condition: Cool & Intact
Project Number: 15510 Sample Received By: Tamara Oldaker

Project Location: RURAL EDDY COUNTY, NM

Sample ID: BH 1 @ 30' (H233825-01)

Chloride, SM4500Cl-B Analyzed By: AC Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Oualifier Analyte Result Chloride 272 16.0 07/26/2023 ND 416 104 400 3.77

Sample ID: BH 1 @ 35' (H233825-02)

Chloride, SM4500Cl-B Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 128 16.0 07/26/2023 ND 416 104 400 3.77

Cardinal Laboratories \*=Accredited Analyte

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 whistoever 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, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of 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.

Celey D. Keene



#### **Notes and Definitions**

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

Cardinal Laboratories \*=Accredited Analyte

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 whistoever 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, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Freene



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

### ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Nam	e: Etech Environmental & Safety Solut	tions	, Inc	).						B	LLT	9					ANALYSIS REQUEST
Project Manage	er: Joel Lowry						1	P.O.	#:								
Address: 26	17 West Marland						0	Com	par	ny	S	olari	s				
City: Hobbs	State: NM	Zip	: 88	240			1	Attn	:		Rob	Kirk		1			
Phone #: (57	'5) 264-9884 Fax #:						1	Add	ress	s:							
Project #: 15	510 Project Owner	r:	So	laris			-	City:									
Project Name:	Lobo 285 "Drilling Truck"							State	e:	NM	Zip:				₽WS	BTEX (8021B)	
Project Location	n: Rural Eddy County, NM						-		ne il					Chloride	TPH (8015M)	80%	
Sampler Name	Eddie Gaytan						F	ax	#:				100	Š	H	X	
FOR LAB USE ONLY			Г		MA	TRIX		A P	RES	ERV	SAM	PLIN	1G	1.	F	B	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:	[DAT	Έ	TIME				
1	BH1 @ 30'	G	1		Х			Т	)	(	7/19/2	23	7 = 3.0	Х			
2	BH1 @ 35'	G	1		X				)	C	7/19/2	23		Х			
1								1	1	1		4			<b>A</b>		
			L		1			1	+	-	-	4			-	-	
		1			4	-	Н	+	+	+	_	-				-	
		₽	H		-	-	H	+	+	+	-	+		-	-	-	
		+	H		+	$\vdash$	-	+	+	+	-	+		1	-	-	
		1			-	+		+	+	+	-	+			-	+	
analyses. All claims inclus service. In no event shall (	and Damages. Cardinal's liability and client's exclusive remedy for a ling those for negligence and any other cause whattoower shall be cardinal be liable for incidental or consequential damages, including out of or related to the performance of services betweender by 5 Date:  7-2 1 - 23  Time:  1258	deeme y withou 'ardina	d walk at limit regan	ed unles stion, bu	is made alness in fathother	in with domical	ng and ri lone, los	s of u	d by C 10, or l	erdinal one of p	within 30 days wolls incurred	a wher d by cli	completion of the out, its subsidier	ne applica des, se. sult: lt:	D Ye		□ No Add'l Phone #: □ No Add'l Fax #:
Relinquished E	Date:			ed E							7		Please e	mail r	result	s and	nd copy of CoC to pm@etechenv.com.
	: (Circle One) - Bus - Other: — 5.8	#1	40	c [	ool Yes	Inta	ct Yes	n	C		KED BY:						

FORM-006 Revision 1.0



August 12, 2022

JOEL LOWRY
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: LOBO 285 FRAC TANK OVERFLOW

Enclosed are the results of analyses for samples received by the laboratory on 08/09/22 15:51.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> 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.

Celeg D. Keene

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. Keene

Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

 Received:
 08/09/2022
 Sampling Date:
 08/09/2022

 Reported:
 08/12/2022
 Sampling Type:
 Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Shalyn Rodriguez

A ..... d D. ... 311 /

Project Location: SOLARIS - EDDY CO., NM

#### Sample ID: V 1 @ 6" (H223566-01)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.299	0.200	08/11/2022	ND	1.84	91.9	2.00	1.32	
Toluene*	9.87	0.200	08/11/2022	ND	2.03	101	2.00	0.623	
Ethylbenzene*	7.15	0.200	08/11/2022	ND	1.93	96.7	2.00	0.504	
Total Xylenes*	63.0	0.600	08/11/2022	ND	6.06	101	6.00	0.718	
Total BTEX	80.3	1.20	08/11/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	219	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8930	16.0	08/11/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1460	10.0	08/10/2022	ND	219	110	200	3.25	
DRO >C10-C28*	6160	10.0	08/10/2022	ND	218	109	200	7.18	
EXT DRO >C28-C36	1470	10.0	08/10/2022	ND					
Surrogate: 1-Chlorooctane	223 9	% 43-149	)						
Surrogate: 1-Chlorooctadecane	126	% 42.5-16	1						

#### Cardinal Laboratories \*=Accredited Analyte

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 whistoever 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, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of 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.

Celey D. Keine



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/09/2022 Sampling Date: 08/09/2022

Reported: 08/12/2022 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Shalyn Rodriguez

Project Location: SOLARIS - EDDY CO., NM

#### Sample ID: V 2 @ 6" (H223566-02)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.47	1.00	08/11/2022	ND	1.84	91.9	2.00	1.32	
Toluene*	66.4	1.00	08/11/2022	ND	2.03	101	2.00	0.623	
Ethylbenzene*	36.3	1.00	08/11/2022	ND	1.93	96.7	2.00	0.504	
Total Xylenes*	307	3.00	08/11/2022	ND	6.06	101	6.00	0.718	
Total BTEX	412	6.00	08/11/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	157	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	08/11/2022	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	5550	50.0	08/10/2022	ND	219	110	200	3.25	
DRO >C10-C28*	9250	50.0	08/10/2022	ND	218	109	200	7.18	
EXT DRO >C28-C36	1940	50.0	08/10/2022	ND					
Surrogate: 1-Chlorooctane	264	% 43-149	)						
Surrogate: 1-Chlorooctadecane	155	% 42.5-16	1						

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\*=Accredited Analyte

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Celey D. Keene



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

#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/09/2022 Reported:

08/12/2022 LOBO 285 FRAC TANK OVERFLOW

Project Number: 16409

Project Location: SOLARIS - EDDY CO., NM Sampling Date: 08/09/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

#### Sample ID: V 3 @ 6" (H223566-03)

Project Name:

BTEX 8021B	mg	/kg	Analyze	d By: JH/					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.73	1.00	08/11/2022	ND	1.98	99.2	2.00	9.70	QM-07
Toluene*	48.2	1.00	08/11/2022	ND	2.08	104	2.00	9.65	QM-07
Ethylbenzene*	35.4	1.00	08/11/2022	ND	2.14	107	2.00	11.0	QM-07
Total Xylenes*	305	3.00	08/11/2022	ND	6.51	109	6.00	10.7	QM-07
Total BTEX	390	6.00	08/11/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	168	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8880	16.0	08/11/2022	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	6820	50.0	08/10/2022	ND	219	110	200	3.25	
DRO >C10-C28*	17800	50.0	08/10/2022	ND	218	109	200	7.18	
EXT DRO >C28-C36	3860	50.0	08/10/2022	ND					
Surrogate: 1-Chlorooctane	389	% 43-149	)						
Surrogate: 1-Chlorooctadecane	289	% 42.5-16	1						

Surrogate: 1-Chlorooctadecane 289 % 42.5-161

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Celey D. Keine

C-04



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

#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/09/2022 Sampling Date: 08/09/2022

Reported: 08/12/2022 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: SOLARIS - EDDY CO., NM

ma/ka

#### Sample ID: V 4 @ 6" (H223566-04)

RTFY 8021R

B1EX 8021B	mg	/ kg	Analyze	a By: JH/					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.65	0.500	08/11/2022	ND	1.98	99.2	2.00	9.70	
Toluene*	37.6	0.500	08/11/2022	ND	2.08	104	2.00	9.65	
Ethylbenzene*	17.3	0.500	08/11/2022	ND	2.14	107	2.00	11.0	
Total Xylenes*	163	1.50	08/11/2022	ND	6.51	109	6.00	10.7	
Total BTEX	219	3.00	08/11/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	160	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16600	16.0	08/11/2022	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	4200	50.0	08/10/2022	ND	219	110	200	3.25	
DRO >C10-C28*	37300	50.0	08/10/2022	ND	218	109	200	7.18	
EXT DRO >C28-C36	10600	50.0	08/10/2022	ND					
Surrogate: 1-Chlorooctane	344	% 43-149	)						
Surrogate: 1-Chlorooctadecane	859	% 42.5-16	1						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### **Notes and Definitions**

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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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Celeg D. Freene



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

Company Name	e: Elech Formronmenta	1								BI	IL	LTO					AN	ALYSI	SR	EQUI	EST		
ProjectManage	er: Jack Loup							P.(	). #:								T						
Address: 28	e: Elech Environmenta er: Joel Loupy 617 Marka & State: No.							Co	mpa	any: 5	501	laris								1			
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roject Locatio	n: Rural Eddyco, NM				·			Ph	one	#:													
ampler Name:	Miari Rimine							Fax	_														
FOR LAB USE ONLY					M	ATRI	X		PRE	SERV	1	SAMP	LING							1			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL OTHER:		DATE	TIME	Chlorides	BRX	TPU							
	VI @ 6"	G	1		6	8				Y	P	19/22		X	γ	X							
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nalyses. All claims including those for negligence and	any other cause whatsoever shall be o	ry claim arising whether based in contract or tort, shall be limited to the eemed waived unless made in writing and received by Cardinal with	n 30 days after completion of the applicable
filiates or successors arising out of or related to the pe		without limitation, business interruptions, loss of use, or loss of profits ardinal, regardless of whether such claim is based upon any of the at	
Relimquished By:	Date:	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Malky	8-9-22 Time: 1551	Spodrigue Received By:	All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	
	Time:		Pm Defechen v.com
Delivered By: (Circle One)	Observed Temp. °C	Sample Condition CHECKED	DBY: Turnaround Time: Standard Bacteria (only) Sample Condition Rush Cool Intact Observed Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact Heitials	Thermometer ID #113
•		No LI No	Correction Factor -0.6°C No Corrected Temp. °C

<sup>†</sup> Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



October 03, 2022

JOEL LOWRY
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: LOBO 285 FRAC TANK OVERFLOW

Enclosed are the results of analyses for samples received by the laboratory on 09/28/22 15:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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)

Celey D. Keine

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. Keene

Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

 Received:
 09/28/2022
 Sampling Date:
 09/28/2022

 Reported:
 10/03/2022
 Sampling Type:
 Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Tamara Oldaker

Project Location: SOLARIS - EDDY CO., NM

### Sample ID: V 1 @ 3' (H224518-01)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2022	ND	2.13	106	2.00	6.83	
Toluene*	<0.050	0.050	10/02/2022	ND	2.10	105	2.00	5.40	
Ethylbenzene*	<0.050	0.050	10/02/2022	ND	2.07	103	2.00	4.68	
Total Xylenes*	<0.150	0.150	10/02/2022	ND	6.24	104	6.00	4.56	
Total BTEX	<0.300	0.300	10/02/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	09/30/2022	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	09/30/2022	ND	211	105	200	2.88	
DRO >C10-C28*	<10.0	10.0	09/30/2022	ND	210	105	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	09/30/2022	ND					
Surrogate: 1-Chlorooctane	106 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	128 9	% 46.3-17	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey & Keene



### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/28/2022 Reported: 10/03/2022

LOBO 285 FRAC TANK OVERFLOW

Project Name: Project Number: 16409

SOLARIS - EDDY CO., NM Project Location:

Sampling Date: 09/28/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

#### Sample ID: V 3 @ 4' (H224518-02)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2022	ND	2.13	106	2.00	6.83	
Toluene*	<0.050	0.050	10/02/2022	ND	2.10	105	2.00	5.40	
Ethylbenzene*	<0.050	0.050	10/02/2022	ND	2.07	103	2.00	4.68	
Total Xylenes*	<0.150	0.150	10/02/2022	ND	6.24	104	6.00	4.56	
Total BTEX	<0.300	0.300	10/02/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/30/2022	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	09/30/2022	ND	211	105	200	2.88	
DRO >C10-C28*	<10.0	10.0	09/30/2022	ND	210	105	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	09/30/2022	ND					
Surrogate: 1-Chlorooctane	106 %	6 45.3-16	1						
Surrogate: 1-Chlorooctadecane	124 %	6 46.3-17	8						

Cardinal Laboratories \*=Accredited Analyte

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 whatsoever 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, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of 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.

Celey D. Keene



09/28/2022

Tamara Oldaker

#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/28/2022 Reported:

10/03/2022 Sampling Type: Soil Sampling Condition: Cool & Intact

Sampling Date:

Sample Received By:

Project Name: LOBO 285 FRAC TANK OVERFLOW Project Number: 16409

SOLARIS - EDDY CO., NM Project Location:

Sample ID: V 4 @ 4' (H224518-03)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2022	ND	2.13	106	2.00	6.83	
Toluene*	0.411	0.050	10/02/2022	ND	2.10	105	2.00	5.40	
Ethylbenzene*	0.364	0.050	10/02/2022	ND	2.07	103	2.00	4.68	
Total Xylenes*	3.68	0.150	10/02/2022	ND	6.24	104	6.00	4.56	
Total BTEX	4.45	0.300	10/02/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	136 %	69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	09/30/2022	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*	73.3	10.0	09/30/2022	ND	211	105	200	2.88	
DRO >C10-C28*	449	10.0	09/30/2022	ND	210	105	200	1.92	
EXT DRO >C28-C36	80.1	10.0	09/30/2022	ND					
Surrogate: 1-Chlorooctane	115 %	6 45.3-16	1						
Surrogata: 1 Chloroctadaeana	1510	V 163 17	0						

151 % Surrogate: 1-Chlorooctadecane 46.3-178

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Celey D. Keine



### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 09/28/2022

Sampling Date: 09/28/2022
Sampling Type: Soil

Reported: 10/03/2022 Project Name: LOBO 285 FRAC TANK OVERFLOW

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Number: 16409

Project Location: SOLARIS - EDDY CO., NM

#### Sample ID: V 4 @ 6' (H224518-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2022	ND	2.13	106	2.00	6.83	
Toluene*	<0.050	0.050	10/02/2022	ND	2.10	105	2.00	5.40	
Ethylbenzene*	<0.050	0.050	10/02/2022	ND	2.07	103	2.00	4.68	
Total Xylenes*	<0.150	0.150	10/02/2022	ND	6.24	104	6.00	4.56	
Total BTEX	<0.300	0.300	10/02/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-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	09/30/2022	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	09/30/2022	ND	211	105	200	2.88	
DRO >C10-C28*	91.6	10.0	09/30/2022	ND	210	105	200	1.92	
EXT DRO >C28-C36	25.5	10.0	09/30/2022	ND					
Surrogate: 1-Chlorooctane	117	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	140	% 46.3-17	8						

#### Cardinal Laboratories

\*=Accredited Analyte

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#### **Notes and Definitions**

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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Celey D. Keene

PM

Received by OCD: 12/5/2024 1:25:42

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1/1

101	East	Marland	, Hol	bbs,	MM	88240
(5	75) 3	93-2326	FAX	(575	39	3-2476

Company Name	Frech Environmental 35 ar: Joel Lowry	afety	50	luta	0 05					BI	IL	L TO					AN	ALYS	S R	EQUI	EST		
Project Manage	er: Jael Lowry	7	_					P.C	). #:	Se	0/0	ar is										T	
Address: 261	1 W. Marland								mpa														
	State: V	es Zij	0:8	82 6	10			Attı	n:														
Phone #: 575	-264.9884 Fax#:							Add	dres	s:													
Project #: 100	16409 Project Ov	mer:	ola	ris				City	y:														
Project Name:	-264.8884 Fax#: 10/16409 Project On Lobo 285 Frac Track on	Hon						Sta	te:		Z	ip:		1									
<b>Project Locatio</b>	n: Royal Eddy Co, arm							Pho	one i	#:				1									
Sampler Name:	Mignel Raminon		_				_	Fax			_			1									
FOR LAB USE ONLY	, ,	0.			M	ATRI	X		PRE	SERV	4	SAMP	LING	1									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:		DATE	TIME	Chlorieles	BTEX	TPH							
1	V163'	C	1		1	K			4	*	19	1/28/22		K	K	X	-			-		-	
3	V304'	-11	H		- 1	1		-		1	L	1		1)	3	1	-	-	-	+	1	-	
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Relinquished By:	Date: Rece	PINLOTO IN	Hall of	Verbal Result: ☐ Ye All Results are emailed		100000	Phone #: aail address:
Relinquished By:	Date: Rece	lived By:	ay	REMARKS:	Achen (	1.00	m
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 2.9	Sample Condition Cool Intact Yes Yes No No	CHECKED BY: (Initials)	Turnaround Time: Thermometer ID #113 Correction Factor -0.6°C	Standard Rush	档	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C  Yes Yes No Corrected Temp. °C



October 25, 2023

JOEL LOWRY
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: LOBO 285 FRAC TANK OVERFLOW

Enclosed are the results of analyses for samples received by the laboratory on 10/19/23 16:13.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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.

Celey D. Keine

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. Keene

Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

A ... - I. ... - - - I D. ... A14/

Received: 10/19/2023 Reported: 10/25/2023

Project Name: LOBO 285 FRAC TANK OVERFLOW

Project Number: 16409

Project Location: SOLARIS - EDDY CO., NM

Sampling Date: 10/19/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

#### Sample ID: FL 1 @ 6 IN (H235739-01)

BTEX 8021B	mg,	/kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2023	ND	2.11	105	2.00	7.95	
Toluene*	<0.050	0.050	10/24/2023	ND	2.14	107	2.00	5.23	
Ethylbenzene*	<0.050	0.050	10/24/2023	ND	2.25	113	2.00	5.41	
Total Xylenes*	<0.150	0.150	10/24/2023	ND	6.74	112	6.00	5.64	
Total BTEX	<0.300	0.300	10/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6530	16.0	10/23/2023	ND	448	112	400	7.41	
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	10/20/2023	ND	182	90.9	200	1.33	
DRO >C10-C28*	14.0	10.0	10/20/2023	ND	195	97.7	200	0.530	
EXT DRO >C28-C36	<10.0	10.0	10/20/2023	ND					
Surrogate: 1-Chlorooctane	87.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.5	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



10/19/2023

Soil

#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/19/2023 Sampling Date:
Reported: 10/25/2023 Sampling Type:

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Shalyn Rodriguez

Analyzed By: AW

Project Location: SOLARIS - EDDY CO., NM

#### Sample ID: FL 2 @ 6 IN (H235739-02)

BTEX 8021B

	9/	9	7	<b>,</b>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2023	ND	2.11	105	2.00	7.95	
Toluene*	<0.050	0.050	10/24/2023	ND	2.14	107	2.00	5.23	
Ethylbenzene*	<0.050	0.050	10/24/2023	ND	2.25	113	2.00	5.41	
Total Xylenes*	<0.150	0.150	10/24/2023	ND	6.74	112	6.00	5.64	
Total BTEX	<0.300	0.300	10/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	10/23/2023	ND	448	112	400	7.41	
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	10/20/2023	ND	182	90.9	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/20/2023	ND	195	97.7	200	0.530	
EXT DRO >C28-C36	<10.0	10.0	10/20/2023	ND					
Surrogate: 1-Chlorooctane	78.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.2	% 49.1-14	8						

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Celey D. Keene



Sample Received By:

10/19/2023

Shalyn Rodriguez

#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/19/2023 Sampling Date:

Reported: 10/25/2023 Sampling Type: Soil Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact

Project Number: 16409

Project Location: SOLARIS - EDDY CO., NM

#### Sample ID: FL 3 @ 6 IN (H235739-03)

BTEX 8021B	mg/	/kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2023	ND	2.11	105	2.00	7.95	
Toluene*	<0.050	0.050	10/24/2023	ND	2.14	107	2.00	5.23	
Ethylbenzene*	<0.050	0.050	10/24/2023	ND	2.25	113	2.00	5.41	
Total Xylenes*	<0.150	0.150	10/24/2023	ND	6.74	112	6.00	5.64	
Total BTEX	<0.300	0.300	10/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6800	16.0	10/23/2023	ND	448	112	400	7.41	
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	10/20/2023	ND	182	90.9	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/20/2023	ND	195	97.7	200	0.530	
EXT DRO >C28-C36	<10.0	10.0	10/20/2023	ND					
Surrogate: 1-Chlorooctane	76.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.0	% 49.1-14	8						

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Celey D. Keene



Shalyn Rodriguez

Sample Received By:

#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil
Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact

Project Number: 16409

Project Location: SOLARIS - EDDY CO., NM

#### Sample ID: FL 4 @ 6 IN (H235739-04)

BTEX 8021B	mg	'kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2023	ND	2.11	105	2.00	7.95	
Toluene*	0.185	0.050	10/24/2023	ND	2.14	107	2.00	5.23	GC-NC1
Ethylbenzene*	0.057	0.050	10/24/2023	ND	2.25	113	2.00	5.41	
Total Xylenes*	1.04	0.150	10/24/2023	ND	6.74	112	6.00	5.64	
Total BTEX	1.28	0.300	10/24/2023	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
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	10/23/2023	ND	448	112	400	7.41	
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*	32.3	10.0	10/20/2023	ND	194	97.1	200	0.697	
DRO >C10-C28*	606	10.0	10/20/2023	ND	197	98.6	200	0.963	
EXT DRO >C28-C36	179	10.0	10/20/2023	ND					
Surrogate: 1-Chlorooctane	78.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.3	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

 Received:
 10/19/2023

 Reported:
 10/25/2023

 Sampling Date:
 10/19/2023

 Sampling Type:
 Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Shalyn Rodriguez

Project Location: SOLARIS - EDDY CO., NM

#### Sample ID: FL 5 @ 6 IN (H235739-05)

BTEX 8021B	mg/kg		Analyze	ed By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2023	ND	2.11	105	2.00	7.95	GC-NC
Toluene*	0.226	0.050	10/24/2023	ND	2.14	107	2.00	5.23	GC-NC1
Ethylbenzene*	0.080	0.050	10/24/2023	ND	2.25	113	2.00	5.41	
Total Xylenes*	2.21	0.150	10/24/2023	ND	6.74	112	6.00	5.64	
Total BTEX	2.52	0.300	10/24/2023	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	126	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6100	16.0	10/23/2023	ND	416	104	400	3.77	QM-07
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	14.5	10.0	10/20/2023	ND	194	97.1	200	0.697	
DRO >C10-C28*	376	10.0	10/20/2023	ND	197	98.6	200	0.963	
EXT DRO >C28-C36	101	10.0	10/20/2023	ND					
Surrogate: 1-Chlorooctane	82.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.3	% 49.1-14	8						

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Celey D. Keene



Shalyn Rodriguez

#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact

Project Number: 16409 Sample Received By:

Project Location: SOLARIS - EDDY CO., NM

#### Sample ID: FL 6 @ 6 IN (H235739-06)

BTEX 8021B	mg/	/kg	Analyze	d By: AW					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2023	ND	2.11	105	2.00	7.95	
Toluene*	<0.050	0.050	10/24/2023	ND	2.14	107	2.00	5.23	
Ethylbenzene*	<0.050	0.050	10/24/2023	ND	2.25	113	2.00	5.41	
Total Xylenes*	0.308	0.150	10/24/2023	ND	6.74	112	6.00	5.64	GC-NC1
Total BTEX	0.308	0.300	10/24/2023	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	135 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5040	16.0	10/23/2023	ND	416	104	400	3.77	
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*	17.3	10.0	10/20/2023	ND	194	97.1	200	0.697	
DRO >C10-C28*	287	10.0	10/20/2023	ND	197	98.6	200	0.963	
EXT DRO >C28-C36	52.2	10.0	10/20/2023	ND					
Surrogate: 1-Chlorooctane	79.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.7	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine

S-04



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

#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Shalyn Rodriguez

Applyzod By: AW

Project Location: SOLARIS - EDDY CO., NM

#### Sample ID: FL 7 @ 6 IN (H235739-07)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: AW					5-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2023	ND	2.11	105	2.00	7.95	GC-NC
Toluene*	0.165	0.050	10/24/2023	ND	2.14	107	2.00	5.23	GC-NC1
Ethylbenzene*	0.095	0.050	10/24/2023	ND	2.25	113	2.00	5.41	
Total Xylenes*	1.99	0.150	10/24/2023	ND	6.74	112	6.00	5.64	
Total BTEX	2.25	0.300	10/24/2023	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	138	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8530	16.0	10/23/2023	ND	416	104	400	3.77	
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*	49.0	10.0	10/20/2023	ND	194	97.1	200	0.697	
DRO >C10-C28*	898	10.0	10/20/2023	ND	197	98.6	200	0.963	
EXT DRO >C28-C36	277	10.0	10/20/2023	ND					
Surrogate: 1-Chlorooctane	79.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.8	% 49.1-14	8						

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### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/19/2023 Reported:

Sampling Date: 10/19/2023 Sampling Type: Soil

Project Name:

10/25/2023 LOBO 285 FRAC TANK OVERFLOW

Sampling Condition: Cool & Intact

Project Number: 16409 Sample Received By:

Shalyn Rodriguez

Project Location: SOLARIS - EDDY CO., NM

#### Sample ID: FL 8 @ 6 IN (H235739-08)

BTEX 8021B	mg/	/kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2023	ND	2.11	105	2.00	7.95	
Toluene*	<0.050	0.050	10/24/2023	ND	2.14	107	2.00	5.23	
Ethylbenzene*	<0.050	0.050	10/24/2023	ND	2.25	113	2.00	5.41	
Total Xylenes*	0.415	0.150	10/24/2023	ND	6.74	112	6.00	5.64	GC-NC1
Total BTEX	0.415	0.300	10/24/2023	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	131 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10500	16.0	10/23/2023	ND	416	104	400	3.77	
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	10/20/2023	ND	194	97.1	200	0.697	
DRO >C10-C28*	362	10.0	10/20/2023	ND	197	98.6	200	0.963	
EXT DRO >C28-C36	116	10.0	10/20/2023	ND					
Surrogate: 1-Chlorooctane	76.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.0	% 49.1-14	8						

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Celey D. Keene



10/19/2023

#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/19/2023 Sampling Date:

Reported: 10/25/2023 Sampling Type: Soil Project Name:

Project Number: 16409

Project Location: SOLARIS - EDDY CO., NM

LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact

Sample Received By: Shalyn Rodriguez

Analyzed By: AW

#### Sample ID: FL 9 @ 6 IN (H235739-09)

BTEX 8021B

	9/	9	7	7					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2023	ND	2.11	105	2.00	7.95	
Toluene*	< 0.050	0.050	10/24/2023	ND	2.14	107	2.00	5.23	
Ethylbenzene*	< 0.050	0.050	10/24/2023	ND	2.25	113	2.00	5.41	
Total Xylenes*	0.319	0.150	10/24/2023	ND	6.74	112	6.00	5.64	GC-NC1
Total BTEX	0.319	0.300	10/24/2023	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10700	16.0	10/23/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2023	ND	194	97.1	200	0.697	
DRO >C10-C28*	389	10.0	10/20/2023	ND	197	98.6	200	0.963	
EXT DRO >C28-C36	97.6	10.0	10/20/2023	ND					
Surrogate: 1-Chlorooctane	77.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.4	% 49.1-14	8						

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#### **Notes and Definitions**

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

ecovery.

GC-NC1 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with

interfering compounds.

GC-NC 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.

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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Received by OCD: 12/5/2024 1:25:42 PM

Page 12 of 12



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (ETE) 202 2226 EAV (ETE) 202 2476

Company Name	: Etech Environm	ental									BI	LL TO						ANA	LYSIS	REQ	UEST		
Project Manage	r: Joel Lowry								P.	0. #:													
Address: 261	7 W Marland Blvd								Co	mpa	ny:	Solaris		1									
City: Hobbs		State:	NM	Zip	):	8824	0		At	tn: I	Rob Ki	rik		1								1	
Phone #: 575	-396-2378	Fax #:	575-396-1					-		dres	s:			1	-								
Project #: 164	09	Project	Owner:	30	Jians	LL(		ueam		ty:													
Project Name:	Lobo 285 Frac Tank	Overflo	w						St	ate:	NM	Zip:	(=1		10			4					
Project Location	n: Rural Eddy								PI	one	#: 1		Pan I	1				SIT.					
Sampler Name:	Dominic	Cas	arez						Fa	x #:			-Hill	14	1								
FOR LAB USE ONLY					П		MAT	RIX	_	PRE	SERV.	SAMPL	ING	7'									
Lab I.D. <i>H</i> 235739	Sample	e I.D.	è	(G)RAB OR (C)OM	# CONTAINERS	GROUNDWATER	SOIL	OIE.	OTHER:	ACID/BASE:	ICE / COOL	DATE	TIME	Chloride	ТРН	BREX 8021	-						
DC 1	FL 1 @ 6in			C	1		V	77			M	10-19		410	V	V							
2	FL 286in			1	Ш		1				1	1		1	1	1							
3	FL 30 bin			11	Ш	4	1		_	Ш				11	11								
4	FL 406in			11	Ш	-			-		1			A	11	1	1_	-					
5	FL 506:0			H	Ш	+	$\mathbb{H}$		-		1		- '	-		1	-	-				_	
4	FL 7 86:0			#	₩	+	-	-	+		1			-	-	11	-	-	-			_	
7				-	₩	+	+	-	+				10	-	-	H	-	-	-			-	
3	FL 986in			V		+	U		+	-		2		6	4	1	+	-					
/	C 10011			-										1	IV.	-							

service. In no event shall Cardinal be liable for incidental or consequentel damages, including without limitation, business interruptions, loss of use, or loss of profils incurred by client, its subsidieries,

Relinguished By:	Date: 10-19	Received By:	1' 0	Phone Result:
Umith	Time jul 3	5480 W	quell	REMARKS: Email results to pm@etechenv.com
Relinquished By:	Date:	Received By:		
	Time:			TPH-Rush 24hRS
Delivered By: (Circle One) 6	3	Sample Con	dition CHECKED BY:	
Sampler - UPS - Bus - Other:	#1	40 Cool Intac	res No	GLax Stand. TAT
† Cardinal cannot accept verbal chang	jes. Please fax v	vritten changes to 575	-393-2476	1011

FORM-006 R 2.0



October 30, 2023

JOEL LOWRY
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: LOBO 285 FRAC TANK OVERFLOW

Enclosed are the results of analyses for samples received by the laboratory on 10/23/23 16:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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.

Celey D. Keine

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. Keene

Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/23/2023 Sampling Date: 10/23/2023

Reported: 10/30/2023 Sampling Type: Soil
Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Coo

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Dionica Hinojos

A ... - I. ... - - I D. ... 311 /

Project Location: SOLARIS - EDDY CO., NM

#### Sample ID: FL 10 @ 6 IN (H235802-01)

3TEX 8021B	mg,	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2023	ND	1.92	96.0	2.00	1.43	
Toluene*	<0.050	0.050	10/27/2023	ND	2.00	100	2.00	2.22	
Ethylbenzene*	<0.050	0.050	10/27/2023	ND	2.02	101	2.00	2.79	
Total Xylenes*	<0.150	0.150	10/27/2023	ND	6.05	101	6.00	2.77	
Total BTEX	<0.300	0.300	10/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11800	16.0	10/27/2023	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	10/26/2023	ND	196	98.0	200	0.310	
DRO >C10-C28*	57.9	10.0	10/26/2023	ND	215	107	200	0.878	
EXT DRO >C28-C36	23.2	10.0	10/26/2023	ND					
Surrogate: 1-Chlorooctane	86.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.3	% 49.1-14	8						

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/23/2023 Sampling Date: 10/23/2023

Reported: 10/30/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Dionica Hinojos

Analyzed By: JH/

Project Location: SOLARIS - EDDY CO., NM

#### Sample ID: FL 11 @ 6 IN (H235802-02)

BTEX 8021B

	9	7	1 1 ,						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2023	ND	1.92	96.0	2.00	1.43	
Toluene*	<0.050	0.050	10/27/2023	ND	2.00	100	2.00	2.22	
Ethylbenzene*	<0.050	0.050	10/27/2023	ND	2.02	101	2.00	2.79	
Total Xylenes*	<0.150	0.150	10/27/2023	ND	6.05	101	6.00	2.77	
Total BTEX	<0.300	0.300	10/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14800	16.0	10/27/2023	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	10/26/2023	ND	189	94.3	200	17.1	
DRO >C10-C28*	194	10.0	10/26/2023	ND	175	87.3	200	22.5	QM-07
EXT DRO >C28-C36	25.4	10.0	10/26/2023	ND					
Surrogate: 1-Chlorooctane	82.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.8	% 49.1-14	8						

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Dionica Hinojos

Sample Received By:

#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/23/2023 Sampling Date: 10/23/2023

Reported: 10/30/2023 Sampling Type: Soil Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact

Project Number: 16409

Project Location: SOLARIS - EDDY CO., NM

#### Sample ID: FL 12 @ 6 IN (H235802-03)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2023	ND	1.92	96.0	2.00	1.43	
Toluene*	<0.050	0.050	10/27/2023	ND	2.00	100	2.00	2.22	
Ethylbenzene*	<0.050	0.050	10/27/2023	ND	2.02	101	2.00	2.79	
Total Xylenes*	<0.150	0.150	10/27/2023	ND	6.05	101	6.00	2.77	
Total BTEX	<0.300	0.300	10/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6800	16.0	10/27/2023	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	10/27/2023	ND	189	94.3	200	17.1	
DRO >C10-C28*	24.1	10.0	10/27/2023	ND	175	87.3	200	22.5	
EXT DRO >C28-C36	<10.0	10.0	10/27/2023	ND					
Surrogate: 1-Chlorooctane	78.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.1	% 49.1-14	8						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

\*=Accredited Analyte



Dionica Hinojos

Sample Received By:

#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/23/2023 Sampling Date: 10/23/2023

Reported: 10/30/2023 Sampling Type: Soil Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact

Project Number: 16409

Project Location: SOLARIS - EDDY CO., NM

#### Sample ID: FL 13 @ 6 IN (H235802-04)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2023	ND	1.92	96.0	2.00	1.43	
Toluene*	<0.050	0.050	10/27/2023	ND	2.00	100	2.00	2.22	
Ethylbenzene*	<0.050	0.050	10/27/2023	ND	2.02	101	2.00	2.79	
Total Xylenes*	<0.150	0.150	10/27/2023	ND	6.05	101	6.00	2.77	
Total BTEX	<0.300	0.300	10/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	10/27/2023	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	10/26/2023	ND	189	94.3	200	17.1	
DRO >C10-C28*	230	10.0	10/26/2023	ND	175	87.3	200	22.5	
EXT DRO >C28-C36	58.9	10.0	10/26/2023	ND					
Surrogate: 1-Chlorooctane	73.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.3	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/23/2023 Sampling Date: 10/23/2023

Reported: 10/30/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact Sample Received By: Project Number: 16409 Dionica Hinojos

Project Location: SOLARIS - EDDY CO., NM

#### Sample ID: FL 14 @ 6 IN (H235802-05)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2023	ND	1.92	96.0	2.00	1.43	
Toluene*	0.239	0.050	10/27/2023	ND	2.00	100	2.00	2.22	
Ethylbenzene*	0.153	0.050	10/27/2023	ND	2.02	101	2.00	2.79	GC-NC1
Total Xylenes*	1.25	0.150	10/27/2023	ND	6.05	101	6.00	2.77	
Total BTEX	1.64	0.300	10/27/2023	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	120 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11600	16.0	10/27/2023	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*	35.3	10.0	10/26/2023	ND	189	94.3	200	17.1	
DRO >C10-C28*	3490	10.0	10/26/2023	ND	175	87.3	200	22.5	
EXT DRO >C28-C36	1080	10.0	10/26/2023	ND					
Surrogate: 1-Chlorooctane	64.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108 9	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/23/2023 Sampling Date: 10/23/2023

Reported: 10/30/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Dionica Hinojos

Analyzed By: 1H /

Project Location: SOLARIS - EDDY CO., NM

#### Sample ID: FL 15 @ 6 IN (H235802-06)

RTFY 8021R

SIEX 8021B	mg	/кд	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2023	ND	1.92	96.0	2.00	1.43	
Toluene*	<0.050	0.050	10/27/2023	ND	2.00	100	2.00	2.22	
Ethylbenzene*	<0.050	0.050	10/27/2023	ND	2.02	101	2.00	2.79	
Total Xylenes*	<0.150	0.150	10/27/2023	ND	6.05	101	6.00	2.77	
Total BTEX	<0.300	0.300	10/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2480	16.0	10/27/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/26/2023	ND	189	94.3	200	17.1	
DRO >C10-C28*	15.2	10.0	10/26/2023	ND	175	87.3	200	22.5	
EXT DRO >C28-C36	18.2	10.0	10/26/2023	ND					
Surrogate: 1-Chlorooctane	74.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	71.9	% 49.1-14	8						

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Celeg & Freene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/23/2023 Sampling Date: 10/23/2023

Reported: 10/30/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact Project Number: Sample Received By: 16409 Dionica Hinojos

Project Location: SOLARIS - EDDY CO., NM

#### Sample ID: FL 16 @ 6 IN (H235802-07)

TEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2023	ND	1.92	96.0	2.00	1.43	
Toluene*	0.051	0.050	10/27/2023	ND	2.00	100	2.00	2.22	
Ethylbenzene*	0.155	0.050	10/27/2023	ND	2.02	101	2.00	2.79	GC-NC1
Total Xylenes*	1.16	0.150	10/27/2023	ND	6.05	101	6.00	2.77	
Total BTEX	1.36	0.300	10/27/2023	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10200	16.0	10/27/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	24.1	10.0	10/26/2023	ND	189	94.3	200	17.1	
DRO >C10-C28*	950	10.0	10/26/2023	ND	175	87.3	200	22.5	
EXT DRO >C28-C36	232	10.0	10/26/2023	ND					
Surrogate: 1-Chlorooctane	77.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	18						

Surrogate: 1-Chlorooctadecane 103 %

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Celeg D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/23/2023 Sampling Date: 10/23/2023

Reported: 10/30/2023 Sampling Type: Soil Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact

Sample Received By: Project Number: 16409 Dionica Hinojos

Project Location: SOLARIS - EDDY CO., NM

#### Sample ID: FL 17 @ 6 IN (H235802-08)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2023	ND	1.92	96.0	2.00	1.43	
Toluene*	<0.050	0.050	10/27/2023	ND	2.00	100	2.00	2.22	
Ethylbenzene*	0.057	0.050	10/27/2023	ND	2.02	101	2.00	2.79	GC-NC1
Total Xylenes*	0.432	0.150	10/27/2023	ND	6.05	101	6.00	2.77	
Total BTEX	0.489	0.300	10/27/2023	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	124 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6000	16.0	10/27/2023	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*	24.3	10.0	10/26/2023	ND	189	94.3	200	17.1	
DRO >C10-C28*	1510	10.0	10/26/2023	ND	175	87.3	200	22.5	
EXT DRO >C28-C36	371	10.0	10/26/2023	ND					
Surrogate: 1-Chlorooctane	76.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124 9	% 49.1-14	8						

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Celey D. Keene



#### **Notes and Definitions**

QR-04 The RPD for the BS/BSD was outside of historical limits.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

ecovery.

GC-NC1 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with

interfering compounds.

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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Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

# RDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

Company Name: Etech Environmental & Safety Solut	_	, Inc	2.						B	IL	L TO						A	IAL	YSIS	RE	QUE	ST		
Project Manager: Joel Lowry							P.C	). #:							1	1								
Address: P.O. Box 301							Co	npa	ny:	501	lar mi	ditrea												
City: Lovington State: NM	Zip	: 88	260				Att	1: (	20	b	Kirk		-											
Phone #: (575) 396-2378 Fax #: (575) 3	96-1	429	)					ires					- 1)											
Project #: 16409 Project Owner	: 50	la	~	mi	dst	Con	City	<i>(</i> :			1 3 1		-		-									
Project Name: Lobo 285 Frac Tar	16	av	er	Flo	W	12	Sta			Z	ip:			SM)	21B									
Project Location: August Laving		N.	, to 1				Pho	one	#:			1 7	Chloride	TPH (8015M)	BTEX (8021B)						1			
Sampler Name: Dominit Casare	2						Fax					11.40	Chi	H	EX									
FOR LAB USE ONLY				M	ATRI	X		PRE	SER	V.	SAMPLI	NG		1	PT B			- 1						1
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	(G)RAB OR (C)OMP	CONTAINERS	GROUNDWATER	WASTEWATER	SON SON	SLUDGE	OTHER:	ACID/BASE:	E/C	ON HER	DATE	TIME		-	1									
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Do 1 FLIO 6 6in	-	1			+	+			3	+	10-23			-	1	+	+	-	_	-	+	-		-
2 FL 12 @ 6	11	#			1	1		H	#	+			1	1	11	+	+	-			1			
461 12 0 6 1	11	17			1				1	1				1	11									
SIFLIU & bin	11	11							1		1													
GFL 15 @ 6 11		$\Pi$												1										
7 FL 16 & 6 in	1								1						11									4
7FL176611	1	V		'	V				A	-	1		1	A	19	1	1				-			
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affiliates or successors arising out of or related to the performance of services hereunder by	Cardina	al, rega	ved	of whee	her suc	h cieim	is bas	ed upo	n any o	of the a	above stated re	Phone Re	10.	DY	es	□ Ño	A	dd'i F	hone	#:	_			
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Sampler - UPS - Bus - Other:	O		1	TEL A	es E	T.		ì	60	I SELLIG	/													

FORM-006 Revision 1.0

Received by OCD: 12/5/2024 1:25:42 PM

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



October 30, 2023

JOEL LOWRY
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: LOBO 285 FRAC TANK OVERFLOW

Enclosed are the results of analyses for samples received by the laboratory on 10/25/23 14:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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.

Celey D. Keine

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. Keene

Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/25/2023 Sampling Date: 10/23/2023

Reported: 10/30/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Shalyn Rodriguez

A ... - I. ... - - I D. ... 311 /

Project Location: SOLARIS - EDDY CO., NM

#### Sample ID: FL #18 @ 6 IN (H235856-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	10/28/2023	ND	1.89	94.3	2.00	4.54	
Toluene*	3.21	0.200	10/28/2023	ND	1.99	99.7	2.00	3.26	
Ethylbenzene*	2.50	0.200	10/28/2023	ND	1.98	99.2	2.00	3.32	
Total Xylenes*	45.4	0.600	10/28/2023	ND	6.03	100	6.00	3.17	
Total BTEX	51.1	1.20	10/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	136	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9400	16.0	10/30/2023	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*	695	10.0	10/27/2023	ND	175	87.5	200	0.551	
DRO >C10-C28*	4050	10.0	10/27/2023	ND	159	79.5	200	2.83	
EXT DRO >C28-C36	1010	10.0	10/27/2023	ND					
Surrogate: 1-Chlorooctane	93.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.8	% 49.1-14	8						

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Celey D. Keene

S-04



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

#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/25/2023 Sampling Date: 10/23/2023

Reported: 10/30/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: SOLARIS - EDDY CO., NM

#### Sample ID: FL #19 @ 6 IN (H235856-02)

RTFY 8021R

B1EX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH/					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	10/28/2023	ND	1.89	94.3	2.00	4.54	
Toluene*	3.39	0.200	10/28/2023	ND	1.99	99.7	2.00	3.26	
Ethylbenzene*	2.42	0.200	10/28/2023	ND	1.98	99.2	2.00	3.32	
Total Xylenes*	43.0	0.600	10/28/2023	ND	6.03	100	6.00	3.17	
Total BTEX	48.8	1.20	10/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	137	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9600	16.0	10/30/2023	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*	711	10.0	10/27/2023	ND	175	87.5	200	0.551	
DRO >C10-C28*	4700	10.0	10/27/2023	ND	159	79.5	200	2.83	
EXT DRO >C28-C36	1300	10.0	10/27/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.7	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celeg & Freene



Shalyn Rodriguez

S-04

Sample Received By:

#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/25/2023 Sampling Date: 10/23/2023

Reported: 10/30/2023 Sampling Type: Soil
Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact

Project Number: 16409

Project Location: SOLARIS - EDDY CO., NM

134 %

49.1-148

#### Sample ID: FL #20 @ 6 IN (H235856-03)

BTEX 8021B

DILX 0021D	ilig/kg		Allalyzed by. 311/						J-U-T	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.100	0.100	10/28/2023	ND	1.89	94.3	2.00	4.54		
Toluene*	1.32	0.100	10/28/2023	ND	1.99	99.7	2.00	3.26		
Ethylbenzene*	2.15	0.100	10/28/2023	ND	1.98	99.2	2.00	3.32		
Total Xylenes*	29.6	0.300	10/28/2023	ND	6.03	100	6.00	3.17		
Total BTEX	33.1	0.600	10/28/2023	ND						
Surrogate: 4-Bromofluorobenzene (PID	144	% 71.5-13	4							
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9060	16.0	10/30/2023	ND	432	108	400	0.00		
TPH 8015M	mg,	/kg	Analyzed By: MS						S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	869	10.0	10/27/2023	ND	175	87.5	200	0.551		
DRO >C10-C28*	7980	10.0	10/27/2023	ND	159	79.5	200	2.83		
EXT DRO >C28-C36	1880	10.0	10/27/2023	ND						
Surrogate: 1-Chlorooctane	166 :	% 48.2-13	4							

Analyzed By: JH/

### Cardinal Laboratories

Surrogate: 1-Chlorooctadecane

\*=Accredited Analyte

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Celeg D. Freene

S-04



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

#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/25/2023 Sampling Date: 10/23/2023

Reported: 10/30/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez Project Number: 16409

Analyzed By: JH/

Project Location: SOLARIS - EDDY CO., NM

#### Sample ID: FL #21 @ 6 IN (H235856-04)

BTEX 8021B

IEX 8021B	ilig/kg		Allalyzeu by. Jil/					3-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	10/28/2023	ND	1.89	94.3	2.00	4.54	
Toluene*	5.24	0.200	10/28/2023	ND	1.99	99.7	2.00	3.26	
Ethylbenzene*	5.36	0.200	10/28/2023	ND	1.98	99.2	2.00	3.32	
Total Xylenes*	80.6	0.600	10/28/2023	ND	6.03	100	6.00	3.17	
Total BTEX	91.2	1.20	10/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	150	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7460	16.0	10/30/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	936	10.0	10/27/2023	ND	175	87.5	200	0.551	
DRO >C10-C28*	3420	10.0	10/27/2023	ND	159	79.5	200	2.83	
EXT DRO >C28-C36	862	10.0	10/27/2023	ND					
Surrogate: 1-Chlorooctane	151	% 48.2-13	4						
Summagata: 1 Chlorocatadagana	105	0/ 10.1.14	0						

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celeg D. Keine



Shalyn Rodriguez

Sample Received By:

#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/25/2023 Sampling Date: 10/24/2023

Reported: 10/30/2023 Sampling Type: Soil
Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact

Project Number: 16409

Project Location: SOLARIS - EDDY CO., NM

#### Sample ID: FL #22 @ 6 IN (H235856-05)

BTEX 8021B	mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/28/2023	ND	1.89	94.3	2.00	4.54	
Toluene*	<0.050	0.050	10/28/2023	ND	1.99	99.7	2.00	3.26	
Ethylbenzene*	<0.050	0.050	10/28/2023	ND	1.98	99.2	2.00	3.32	
Total Xylenes*	<0.150	0.150	10/28/2023	ND	6.03	100	6.00	3.17	
Total BTEX	<0.300	0.300	10/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10400	16.0	10/30/2023	ND	432	108	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	10/27/2023	ND	175	87.5	200	0.551	
DRO >C10-C28*	348	10.0	10/27/2023	ND	159	79.5	200	2.83	
EXT DRO >C28-C36	122	10.0	10/27/2023	ND					
Surrogate: 1-Chlorooctane	64.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	68.0	% 49.1-14	8						

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Celey D. Keene



Shalyn Rodriguez

Sample Received By:

#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/25/2023 Sampling Date: 10/24/2023

Reported: 10/30/2023 Sampling Type: Soil
Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact

Project Number: 16409

Project Location: SOLARIS - EDDY CO., NM

#### Sample ID: FL #23 @ 6 IN (H235856-06)

BTEX 8021B	mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/28/2023	ND	1.89	94.3	2.00	4.54	
Toluene*	<0.050	0.050	10/28/2023	ND	1.99	99.7	2.00	3.26	
Ethylbenzene*	<0.050	0.050	10/28/2023	ND	1.98	99.2	2.00	3.32	
Total Xylenes*	0.221	0.150	10/28/2023	ND	6.03	100	6.00	3.17	
Total BTEX	<0.300	0.300	10/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4160	16.0	10/30/2023	ND	432	108	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	10/27/2023	ND	193	96.5	200	4.16	
DRO >C10-C28*	25.3	10.0	10/27/2023	ND	194	97.2	200	3.64	
EXT DRO >C28-C36	<10.0	10.0	10/27/2023	ND					
Surrogate: 1-Chlorooctane	81.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.5	% 49.1-14	8						

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Celey D. Keine



Shalyn Rodriguez

Sample Received By:

#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/25/2023 Sampling Date: 10/24/2023

Reported: 10/30/2023 Sampling Type: Soil Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact

Project Number: 16409

Project Location: SOLARIS - EDDY CO., NM

#### Sample ID: FL #24 @ 6 IN (H235856-07)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	10/28/2023	ND	1.89	94.3	2.00	4.54	
Toluene*	1.59	0.200	10/28/2023	ND	1.99	99.7	2.00	3.26	
Ethylbenzene*	1.67	0.200	10/28/2023	ND	1.98	99.2	2.00	3.32	
Total Xylenes*	31.6	0.600	10/28/2023	ND	6.03	100	6.00	3.17	
Total BTEX	34.8	1.20	10/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	134	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8240	16.0	10/30/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	Analyzed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	862	10.0	10/27/2023	ND	193	96.5	200	4.16	
DRO >C10-C28*	8780	10.0	10/27/2023	ND	194	97.2	200	3.64	
EXT DRO >C28-C36	1880	10.0	10/27/2023	ND					
Surrogate: 1-Chlorooctane	144	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	152	% 49.1-14	8						

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Celey D. Keene

S-04



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

#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/25/2023 Sampling Date: 10/24/2023

Reported: 10/30/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: SOLARIS - EDDY CO., NM

mg/kg

#### Sample ID: FL #25 @ 6 IN (H235856-08)

BTEX 8021B

		9							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.277	0.200	10/28/2023	ND	1.89	94.3	2.00	4.54	
Toluene*	6.48	0.200	10/28/2023	ND	1.99	99.7	2.00	3.26	
Ethylbenzene*	6.08	0.200	10/28/2023	ND	1.98	99.2	2.00	3.32	
Total Xylenes*	85.0	0.600	10/28/2023	ND	6.03	100	6.00	3.17	
Total BTEX	97.8	1.20	10/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	144	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10300	16.0	10/30/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1450	10.0	10/27/2023	ND	193	96.5	200	4.16	
DRO >C10-C28*	7120	10.0	10/27/2023	ND	194	97.2	200	3.64	
EXT DRO >C28-C36	1590	10.0	10/27/2023	ND					
Surrogate: 1-Chlorooctane	161	% 48.2-13	4						

 Surrogate: 1-Chlorooctadecane
 101 %
 46.2-134

 Surrogate: 1-Chlorooctadecane
 122 %
 49.1-148

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Celeg D. Freene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/25/2023 Sampling Date: 10/24/2023

Reported: 10/30/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: SOLARIS - EDDY CO., NM

#### Sample ID: FL #28 @ 6 IN (H235856-09)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/28/2023	ND	1.89	94.3	2.00	4.54	
Toluene*	0.449	0.050	10/28/2023	ND	1.99	99.7	2.00	3.26	
Ethylbenzene*	0.248	0.050	10/28/2023	ND	1.98	99.2	2.00	3.32	
Total Xylenes*	7.87	0.150	10/28/2023	ND	6.03	100	6.00	3.17	
Total BTEX	8.57	0.300	10/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	128 % 71.5-13-		4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16400	16.0	10/30/2023	ND	432	108	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*	154	10.0	10/27/2023	ND	193	96.5	200	4.16	
DRO >C10-C28*	3970	10.0	10/27/2023	ND	194	97.2	200	3.64	
EXT DRO >C28-C36	1370	10.0	10/27/2023	ND					
Surrogate: 1-Chlorooctane	90.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celey D. Keene



Shalyn Rodriguez

Sample Received By:

### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/25/2023 Sampling Date: 10/24/2023

Reported: 10/30/2023 Sampling Type: Soil Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact

Project Number: 16409

Project Location: SOLARIS - EDDY CO., NM

### Sample ID: FL #29 @ 6 IN (H235856-10)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/28/2023	ND	1.89	94.3	2.00	4.54	
Toluene*	<0.050	0.050	10/28/2023	ND	1.99	99.7	2.00	3.26	
Ethylbenzene*	<0.050	0.050	10/28/2023	ND	1.98	99.2	2.00	3.32	
Total Xylenes*	1.91	0.150	10/28/2023	ND	6.03	100	6.00	3.17	
Total BTEX	1.91	0.300	10/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5840	16.0	10/30/2023	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*	161	10.0	10/27/2023	ND	193	96.5	200	4.16	
DRO >C10-C28*	1880	10.0	10/27/2023	ND	194	97.2	200	3.64	
EXT DRO >C28-C36	468	10.0	10/27/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene

C-04



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

### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/25/2023 Sampling Date: 10/24/2023

Reported: 10/30/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact Project Number: 16409 Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: SOLARIS - EDDY CO., NM

### Sample ID: FL #30 @ 6 IN (H235856-11)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH/					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	10/28/2023	ND	1.89	94.3	2.00	4.54	
Toluene*	2.34	0.200	10/28/2023	ND	1.99	99.7	2.00	3.26	
Ethylbenzene*	3.66	0.200	10/28/2023	ND	1.98	99.2	2.00	3.32	
Total Xylenes*	54.6	0.600	10/28/2023	ND	6.03	100	6.00	3.17	
Total BTEX	60.6	1.20	10/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	140	% 71.5-13	14						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6560	16.0	10/30/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1350	10.0	10/27/2023	ND	193	96.5	200	4.16	
DRO >C10-C28*	7060	10.0	10/27/2023	ND	194	97.2	200	3.64	
EXT DRO >C28-C36	1560	10.0	10/27/2023	ND					
Surrogate: 1-Chlorooctane	168	% 48.2-13	14						
Surrogate: 1-Chlorooctadecane	120	% 49 1-14	1.8						

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine

C-04



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

### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/25/2023 Sampling Date: 10/24/2023

Reported: 10/30/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: SOLARIS - EDDY CO., NM

### Sample ID: FL #31 @ 6 IN (H235856-12)

RTFY 8021R

BIEX 8021B	mg,	/ Kg	Analyze	а ву: ЈН					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	10/28/2023	ND	1.93	96.6	2.00	0.390	
Toluene*	10.8	0.500	10/28/2023	ND	1.89	94.7	2.00	0.0450	
Ethylbenzene*	15.8	0.500	10/28/2023	ND	1.90	94.8	2.00	0.0817	
Total Xylenes*	114	1.50	10/28/2023	ND	5.44	90.6	6.00	0.448	QM-07
Total BTEX	141	3.00	10/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	167	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8660	16.0	10/30/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	3350	10.0	10/27/2023	ND	193	96.5	200	4.16	
DRO >C10-C28*	7170	10.0	10/27/2023	ND	194	97.2	200	3.64	
EXT DRO >C28-C36	1480	10.0	10/27/2023	ND					
Surrogate: 1-Chlorooctane	196	% 48.2-13	4						

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celeg D. Frene



### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: JH

Received: 10/25/2023 Reported: 10/30/2023

LOBO 285 FRAC TANK OVERFLOW

Project Name: LOBO Project Number: 16409

Project Location: SOLARIS - EDDY CO., NM

mg/kg

Sampling Date: 10/24/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

### Sample ID: FL #7 @ 1 FT (H235856-13)

BTEX 8021B

	<u> </u>			• •					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/28/2023	ND	1.93	96.6	2.00	0.390	
Toluene*	<0.050	0.050	10/28/2023	ND	1.89	94.7	2.00	0.0450	
Ethylbenzene*	<0.050	0.050	10/28/2023	ND	1.90	94.8	2.00	0.0817	
Total Xylenes*	<0.150	0.150	10/28/2023	ND	5.44	90.6	6.00	0.448	
Total BTEX	<0.300	0.300	10/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.8	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5600	16.0	10/30/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/27/2023	ND	193	96.5	200	4.16	
DRO >C10-C28*	<10.0	10.0	10/27/2023	ND	194	97.2	200	3.64	
EXT DRO >C28-C36	<10.0	10.0	10/27/2023	ND					
Surrogate: 1-Chlorooctane	90.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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### **Notes and Definitions**

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

ecovery.

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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Page 16 of 17

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

### ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

						B	IL	L TO			195			ANA	LYS	IS R	EQUI	EST							
Project Manage	r: Joel Lowry							P.C	). # <i>:</i>						1										
Address: 261	7 West Marland							Cor	mpan	ny		Solaris	s	1											
City: Hobbs	State: NM	Zip	: 882	240				Attr	n:			Rob Kirk	,	1											
Phone #: (575	5) 264-9884 Fax #:							Adr	dress	s:		1													
Project #: 164	109 Project Own	ner:	So	laris	,			City	v:			-						,						1	
	Lobo 285 Frac Tank Overflow									NM	Z	Zip:		0	(MS	18									
Project Location									one #					orid	801	(80		1							
	: Dominic Casarez							Fax						i i	Chloride TPH (8015M) BTEX (8021B)										
FOR LAB USE ONLY					M/	ATRIX		Name and Address of the Owner, where	PRES	SERV	1.	SAMPLIN	NG	1	무	BT									
Lab I.D. Н235856	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL OTHER:		DATE	TIME	1											
1	FL #18 @ 6 in	C	1		X				];	Х	_	10/23/23		Х	Х	X									
2	FL #19 @ 6 in	С	1		X	(			1	X	WA	10/23/23		Х	Х	Х									
-	FL #20 @ 6 in	С	1	-	X	(			1	Х	1	10/23/23		Х	Х	Х									
1.0	FL #21 @ 6 in	С	1		X	(				X	1	10/23/23		X	X	X									
5	FL #22 @ 6 in	С	1		×	(			1	Х	L	10/24/23		X	X	Х									
6	FL #23 @ 6 in	С	1		×	(			1	X	L	10/24/23		Х	X	Х									
7	FL #24 @ 6 in	С	1		X	(				X	1	10/24/23		×	Х	X		1							
8	FL #25 @ 6 in	С	1		X	(			1	X	L	10/24/23		X	X	X									
9	FL #28 @ 6 in	С	1		X	(			1	X	L	10/24/23		Х	X	Х									
10	FL #29 @ 6 in	С			X	-				Х		10/24/23		Х	X	X									
analyses. All claims includ service. In no event shall of affiliates or successors aris Relinguished B	1000 Time 210	all be deeme luding without by Cardina	ed waive out limite al, regar	ed unles	ess mede ousiness i of whethe	e in writi interrup	riting and uptions, lo	d receiv	ived by C fuse, or l	Cardinal loss of p	profit	hin 30 days after its incurred by cli	completion of t lient, its subsidia	the applical iries, ise. esult:	□ Ye		No No		Phone Fax #:						
	v: (Circle One) _4. 7 =	140	eceiv	(	Cool	Inta	ondition tact	_	C		-	ED BY:	Please e	email r	esults	s and	сору	of Co	C to p	om@e	eteche	:nv.co	m.		

FORM-006 Revision 1.0

Received by OCD: 12/5/2024 1:25:42 PM

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

Page 17 of 1Z

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

### ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name	: Etech Environmental & Safety Solu		BILL TO			ANALYSIS REQUEST
Project Manage	r: Joel Lowry		P.O. #:		T	
Address: 261	7 West Marland		Company Solar	s		
City: Hobbs	State: NM	Zip: 88240	Attn: Rob Kirk		1	
Phone #: (575	5) 264-9884 Fax #:		Address:			
Project #: 164	09 Project Owne	r: Solaris	City:	- 2	1	
Project Name:	Lobo 285 Frac Tank Overflow		State: NM Zip:		SM)	
Project Location			Phone #:		Chloride TPH (8015M)	BTEX (8021B)
	Dominic Casarez	<b>/</b>	Fax #:	7 7	는 S	
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLI		_   E	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL		TIME	•	
11	FL #30 @ 6 in	C 1 X	X 10/24/23	1 1 1	XX	X
	FL #31 @ 6 in	C 1 X	X 10/24/23		X X	X
13	FL #7 @ 1 ft	C 1 X	X 10/24/23	-	X X	X
			74		1	
17-1-10-	nd Damages. Cardinal's liability and client's exclusive remedy for	any claim origing whether based in contrac	t or tort, shall be limited to the amount make	by the client for the	1	
analyses. All claims includi service. In no event shall C	ing those for negligence and any other cause whatsoever shall be cardinal be liable for incidental or consequental damages, includir ing out of or related to the performance of services hereunder by	e deerned waived unless made in writing at ng without limitation, business interruptions Cardinal, regardless of whether such clain	nd received by Cardinal within 30 days afte , loss of use, or loss of profits incurred by o	r completion of the a lient, its subsidiaries,	pplicable	
Relinquished B	1/	Received By:  Sample Condi Cool Intact	(Initials)	Please em	ail result	Its and copy of CoC to pm@etechenv.com.
	- Bus - Other:	Yes Live	es V			

FORM-006 Revision 1.0

Received by OCD: 12/5/2024 1:25:42 PM

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



October 31, 2023

JOEL LOWRY
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: LOBO 285 FRAC TANK OVERFLOW

Enclosed are the results of analyses for samples received by the laboratory on 10/27/23 14:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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.

Celey D. Keine

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. Keene

Lab Director/Quality Manager



### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:

10/27/2023 10/31/2023 Sampling Type:

A ... - I. ... - - I D. ... 311 /

Project Name: LOBO 285 FRAC TANK OVERFLOW Project Number: 16409

Project Location: SOLARIS - EDDY CO., NM Sampling Date: 10/26/2023

Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

### Sample ID: FL # 35 @ 6 IN (H235917-01)

Reported:

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.95	97.4	2.00	2.22	
Toluene*	<0.050	0.050	10/30/2023	ND	1.92	96.0	2.00	2.12	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	2.00	99.8	2.00	3.54	
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.98	99.7	6.00	3.23	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	10/31/2023	ND	432	108	400	3.64	
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	10/31/2023	ND	181	90.3	200	0.312	
DRO >C10-C28*	<10.0	10.0	10/31/2023	ND	166	82.8	200	12.0	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	76.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	68.7	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/27/2023 Sampling Date: 10/26/2023

Reported: 10/31/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: SOLARIS - EDDY CO., NM

### Sample ID: FL # 36 @ 6 IN (H235917-02)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.95	97.4	2.00	2.22	
Toluene*	<0.050	0.050	10/30/2023	ND	1.92	96.0	2.00	2.12	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	2.00	99.8	2.00	3.54	
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.98	99.7	6.00	3.23	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1380	16.0	10/31/2023	ND	432	108	400	3.64	
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	10/31/2023	ND	181	90.3	200	0.312	
DRO >C10-C28*	<10.0	10.0	10/31/2023	ND	166	82.8	200	12.0	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	74.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	66.5	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/27/2023 Sampling Date: 10/26/2023

Reported: 10/31/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: SOLARIS - EDDY CO., NM

### Sample ID: FL # 37 @ 6 IN (H235917-03)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.95	97.4	2.00	2.22	
Toluene*	<0.050	0.050	10/30/2023	ND	1.92	96.0	2.00	2.12	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	2.00	99.8	2.00	3.54	
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.98	99.7	6.00	3.23	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	10/31/2023	ND	432	108	400	3.64	
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	10/31/2023	ND	181	90.3	200	0.312	
DRO >C10-C28*	<10.0	10.0	10/31/2023	ND	166	82.8	200	12.0	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	76.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	67.2	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/27/2023 Sampling Date: 10/26/2023

Reported: 10/31/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: SOLARIS - EDDY CO., NM

mg/kg

### Sample ID: FL # 38 @ 6 IN (H235917-04)

BTEX 8021B

	<u> </u>			· , · ,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.95	97.4	2.00	2.22	
Toluene*	<0.050	0.050	10/30/2023	ND	1.92	96.0	2.00	2.12	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	2.00	99.8	2.00	3.54	
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.98	99.7	6.00	3.23	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	10/31/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2023	ND	181	90.3	200	0.312	
DRO >C10-C28*	<10.0	10.0	10/31/2023	ND	166	82.8	200	12.0	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	78.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.2	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Analyzed By: JH/

Fax To:

Received: 10/27/2023 Sampling Date: 10/26/2023

Reported: 10/31/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Shalyn Rodriguez

Project Location: SOLARIS - EDDY CO., NM

mg/kg

### Sample ID: FL # 39 @ 6 IN (H235917-05)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.95	97.4	2.00	2.22	
Toluene*	<0.050	0.050	10/30/2023	ND	1.92	96.0	2.00	2.12	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	2.00	99.8	2.00	3.54	
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.98	99.7	6.00	3.23	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	10/31/2023	ND	432	108	400	3.64	
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	10/31/2023	ND	181	90.3	200	0.312	
DRO >C10-C28*	<10.0	10.0	10/31/2023	ND	166	82.8	200	12.0	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	72.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	64.0	% 49.1-14	8						

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Celey D. Keene



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

### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/27/2023 Sampling Date: 10/26/2023

Reported: 10/31/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact Project Number: 16409 Sample Received By: Shalyn Rodriguez

Project Location: SOLARIS - EDDY CO., NM

### Sample ID: FL # 47 @ 0-3 IN (H235917-06)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.95	97.4	2.00	2.22	GC-NC
Toluene*	2.20	0.050	10/30/2023	ND	1.92	96.0	2.00	2.12	GC-NC1
Ethylbenzene*	1.12	0.050	10/30/2023	ND	2.00	99.8	2.00	3.54	
Total Xylenes*	19.3	0.150	10/30/2023	ND	5.98	99.7	6.00	3.23	
Total BTEX	22.6	0.300	10/30/2023	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	352 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	10/31/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	734	10.0	10/31/2023	ND	181	90.3	200	0.312	
DRO >C10-C28*	5290	10.0	10/31/2023	ND	166	82.8	200	12.0	
EXT DRO >C28-C36	1550	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	126 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	227 9	% 49.1-14	8						

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### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/27/2023 Sampling Date: 10/26/2023

Reported: 10/31/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact Sample Received By: Project Number: 16409 Shalyn Rodriguez

Project Location: SOLARIS - EDDY CO., NM

### Sample ID: FL # 48 @ 0-3 IN (H235917-07)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.95	97.4	2.00	2.22	
Toluene*	<0.050	0.050	10/30/2023	ND	1.92	96.0	2.00	2.12	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	2.00	99.8	2.00	3.54	
Total Xylenes*	0.296	0.150	10/30/2023	ND	5.98	99.7	6.00	3.23	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
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	10/31/2023	ND	432	108	400	3.64	
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	10/31/2023	ND	181	90.3	200	0.312	
DRO >C10-C28*	<10.0	10.0	10/31/2023	ND	166	82.8	200	12.0	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	69.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	60.1	% 49.1-14	8						

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### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/27/2023 Sampling Date: 10/26/2023

Reported: 10/31/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: SOLARIS - EDDY CO., NM

### Sample ID: FL # 49 @ 0-3 IN (H235917-08)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.95	97.4	2.00	2.22	
Toluene*	0.052	0.050	10/30/2023	ND	1.92	96.0	2.00	2.12	GC-NC1
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	2.00	99.8	2.00	3.54	
Total Xylenes*	0.671	0.150	10/30/2023	ND	5.98	99.7	6.00	3.23	
Total BTEX	0.723	0.300	10/30/2023	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6960	16.0	10/31/2023	ND	432	108	400	3.64	
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*	11.1	10.0	10/31/2023	ND	181	90.3	200	0.312	
DRO >C10-C28*	185	10.0	10/31/2023	ND	166	82.8	200	12.0	
EXT DRO >C28-C36	21.4	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	64.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	61.6	% 49.1-14	8						

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### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/27/2023 Sampling Date: 10/26/2023

Reported: 10/31/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: SOLARIS - EDDY CO., NM

mg/kg

### Sample ID: FL # 50 @ 0-3 IN (H235917-09)

BTEX 8021B

	9/	9	7111411720	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.95	97.4	2.00	2.22	
Toluene*	<0.050	0.050	10/30/2023	ND	1.92	96.0	2.00	2.12	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	2.00	99.8	2.00	3.54	
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.98	99.7	6.00	3.23	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10900	16.0	10/31/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2023	ND	181	90.3	200	0.312	
DRO >C10-C28*	<10.0	10.0	10/31/2023	ND	166	82.8	200	12.0	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	75.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	67.3	% 49.1-14	8						

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### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/27/2023 Sampling Date:

Reported: 10/31/2023 Sampling Type: Soil Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition:

Project Number: 16409

Project Location: SOLARIS - EDDY CO., NM 10/26/2023

Sample Received By:

Cool & Intact Shalyn Rodriguez

### Sample ID: FL # 51 @ 0-3 IN (H235917-10)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.95	97.4	2.00	2.22	
Toluene*	<0.050	0.050	10/30/2023	ND	1.92	96.0	2.00	2.12	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	2.00	99.8	2.00	3.54	
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.98	99.7	6.00	3.23	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3680	16.0	10/31/2023	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	10/31/2023	ND	181	90.3	200	0.312	
DRO >C10-C28*	180	10.0	10/31/2023	ND	166	82.8	200	12.0	
EXT DRO >C28-C36	45.9	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	75.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.6	% 49.1-14	8						

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Shalyn Rodriguez

### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Applyzod By: 1H /

Fax To:

Received: 10/27/2023 Sampling Date: 10/26/2023

Reported: 10/31/2023 Sampling Type: Soil
Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition:
Project Number: 16409 Sample Received By:

Project Location: SOLARIS - EDDY CO., NM

### Sample ID: FL # 52 @ 0-3 IN (H235917-11)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.95	97.4	2.00	2.22	
Toluene*	<0.050	0.050	10/30/2023	ND	1.92	96.0	2.00	2.12	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	2.00	99.8	2.00	3.54	
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.98	99.7	6.00	3.23	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13-	4						
Chloride, SM4500Cl-B	mg/kg		Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2080	16.0	10/31/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2023	ND	181	90.3	200	0.312	
DRO >C10-C28*	103	10.0	10/31/2023	ND	166	82.8	200	12.0	
EXT DRO >C28-C36	11.3	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	67.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	63.9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/27/2023 Sampling Date: 10/26/2023

Reported: 10/31/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Shalyn Rodriguez

Project Location: SOLARIS - EDDY CO., NM

### Sample ID: FL # 53 @ 2' (H235917-12)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.95	97.4	2.00	2.22	
Toluene*	<0.050	0.050	10/30/2023	ND	1.92	96.0	2.00	2.12	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	2.00	99.8	2.00	3.54	
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.98	99.7	6.00	3.23	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/31/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2023	ND	181	90.3	200	0.312	
DRO >C10-C28*	<10.0	10.0	10/31/2023	ND	166	82.8	200	12.0	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	77.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	68.3	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/27/2023 Sampling Date: 10/26/2023

Reported: 10/31/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: SOLARIS - EDDY CO., NM

### Sample ID: FL # 54 @ 4 FT (H235917-13)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.95	97.4	2.00	2.22	
Toluene*	<0.050	0.050	10/30/2023	ND	1.92	96.0	2.00	2.12	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	2.00	99.8	2.00	3.54	
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.98	99.7	6.00	3.23	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1600	16.0	10/31/2023	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	10/31/2023	ND	181	90.3	200	0.312	
DRO >C10-C28*	<10.0	10.0	10/31/2023	ND	166	82.8	200	12.0	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	78.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.9	% 49.1-14	8						

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Celey D. Keene



Sample Received By:

10/26/2023

Cool & Intact

Shalyn Rodriguez

Soil

### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Applyzod By: 1H /

Fax To:

Received: 10/27/2023 Sampling Date:

ma/ka

Reported: 10/31/2023 Sampling Type:
Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition:

Project Number: 16409

Project Location: SOLARIS - EDDY CO., NM

Sample ID: NW - 1 (H235917-14)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.95	97.4	2.00	2.22	
Toluene*	<0.050	0.050	10/30/2023	ND	1.92	96.0	2.00	2.12	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	2.00	99.8	2.00	3.54	
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.98	99.7	6.00	3.23	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	10/31/2023	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	10/31/2023	ND	181	90.3	200	0.312	
DRO >C10-C28*	<10.0	10.0	10/31/2023	ND	166	82.8	200	12.0	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	74.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	65.0	% 49.1-14	8						

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Celey D. Keine



Sample Received By:

10/26/2023

Shalyn Rodriguez

### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/27/2023 Sampling Date:

Reported: 10/31/2023 Sampling Type: Soil
Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact

Project Number: 16409

Project Location: SOLARIS - EDDY CO., NM

mg/kg

Sample ID: SW - 1 (H235917-15)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.95	97.4	2.00	2.22	
Toluene*	<0.050	0.050	10/30/2023	ND	1.92	96.0	2.00	2.12	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	2.00	99.8	2.00	3.54	
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.98	99.7	6.00	3.23	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Chloride, SM4500Cl-B  Analyte	mg/ Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
·			<u> </u>	-	BS 416	% Recovery	True Value QC 400	RPD 0.00	Qualifier
Analyte	Result	Reporting Limit	Analyzed 10/31/2023	Method Blank		,	·		Qualifier
Analyte Chloride	Result	Reporting Limit	Analyzed 10/31/2023	Method Blank		,	·		Qualifier Qualifier
Analyte  Chloride  TPH 8015M	Result 352 mg/	Reporting Limit 16.0	Analyzed 10/31/2023 Analyze	Method Blank ND d By: MS	416	104	400	0.00	
Analyte  Chloride  TPH 8015M  Analyte	Result 352 mg/	Reporting Limit  16.0  (kg  Reporting Limit	Analyzed 10/31/2023 Analyze Analyzed	Method Blank  ND  d By: MS  Method Blank	416 BS	104 % Recovery	400 True Value QC	0.00	

Analyzed By: JH/

Surrogate: 1-Chlorooctane 72.7 % 48.2-134
Surrogate: 1-Chlorooctadecane 64.2 % 49.1-148

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Celey D. Keine



### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/27/2023 Reported: 10/31/2023

Project Name: LOBO 285 FRAC TANK OVERFLOW

Project Number: 16409

Project Location: SOLARIS - EDDY CO., NM

Sampling Date: 10/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

### Sample ID: EW - 1 (H235917-16)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.95	97.4	2.00	2.22	
Toluene*	<0.050	0.050	10/30/2023	ND	1.92	96.0	2.00	2.12	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	2.00	99.8	2.00	3.54	
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.98	99.7	6.00	3.23	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/31/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2023	ND	181	90.3	200	0.312	
DRO >C10-C28*	19.8	10.0	10/31/2023	ND	166	82.8	200	12.0	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	79.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	71.0	% 49.1-14	8						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

\*=Accredited Analyte



Shalyn Rodriguez

Sample Received By:

### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Analyzed By: JH/

Fax To:

Received: 10/27/2023 Sampling Date: 10/26/2023

Reported: 10/31/2023 Sampling Type: Soil
Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact

Project Number: 16409

Project Location: SOLARIS - EDDY CO., NM

mg/kg

Sample ID: EW - 2 (H235917-17)

BTEX 8021B

DILX GOZID	mg/	ng .	Andryzo	a by. 511/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.95	97.4	2.00	2.22	
Toluene*	<0.050	0.050	10/30/2023	ND	1.92	96.0	2.00	2.12	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	2.00	99.8	2.00	3.54	
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.98	99.7	6.00	3.23	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13-	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	10/31/2023	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	10/31/2023	ND	181	90.3	200	0.312	
DRO >C10-C28*	<10.0	10.0	10/31/2023	ND	166	82.8	200	12.0	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	73.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	63.5	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/27/2023 Sampling Date: 10/26/2023

Reported: 10/31/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact Sample Received By: Project Number: 16409 Shalyn Rodriguez

Project Location: SOLARIS - EDDY CO., NM

### Sample ID: WW - 1 (H235917-18)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.95	97.4	2.00	2.22	
Toluene*	<0.050	0.050	10/30/2023	ND	1.92	96.0	2.00	2.12	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	2.00	99.8	2.00	3.54	
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.98	99.7	6.00	3.23	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/31/2023	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	10/31/2023	ND	181	90.3	200	0.312	
DRO >C10-C28*	<10.0	10.0	10/31/2023	ND	166	82.8	200	12.0	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	69.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	61.1	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Applyzod By: 1H /

Fax To:

Received: 10/27/2023 Sampling Date:

Reported: 10/31/2023 Sampling Type:
Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition:

Project Number: 16409

Project Location: SOLARIS - EDDY CO., NM

ma/ka

Sampling Date: 10/26/2023 Sampling Type: Soil

Sample Received By:

Cool & Intact Shalyn Rodriguez

### Sample ID: WW - 2 (H235917-19)

RTFY 8021R

B1EX 8021B	mg,	кg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.95	97.4	2.00	2.22	
Toluene*	<0.050	0.050	10/30/2023	ND	1.92	96.0	2.00	2.12	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	2.00	99.8	2.00	3.54	
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.98	99.7	6.00	3.23	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	10/31/2023	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	10/31/2023	ND	181	90.3	200	0.312	
DRO >C10-C28*	<10.0	10.0	10/31/2023	ND	166	82.8	200	12.0	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	68.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	60.3	% 49.1-14	8						

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Celey D. Keene



### **Notes and Definitions**

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

GC-NC1 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with

nterfering compounds.

GC-NC 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.

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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Celeg D. Freene

Page 22 of 23

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Project Manager: Joel Lowry	Company Nam	e: Etech Environmen	ntal & Safety Solut	ions	, Inc						81	LL TO		:			A	NAL	YSIS	RE	QUE	ST		
City: Hobbs State: NM Zip: 88240 Aktm: 'Rob Kirk   Address: Project K: 16409 Project Owner: Solaris   City: Project Name: Lobo 285 Frac Tank Overflow   State: NM Zip: 85   State: NM Zip: Project Name: Lobo 285 Frac Tank Overflow   State: NM Zip: Project Name: Dominic Casarez   Fax #:   Fax	Project Manage	er: Joel Lowry							P.	0. #:				1	-									
Phone #: (575) 264-9884	Address: 26	17 West Marland							Co	ompa	any	Solar	is											
Project #: 16409	City: Hobbs		State: NM	Zip	882	240			1	_		Rob Kirl												
Project #: 16409	Phone #: (57	75) 264-9884	Fax #:						A	dres	ss:						-		- 1					
Project Name: Lobo 285 Frac Tank Overflow  State: NM 2p:  Phone #:  Fax #:  FA	Project #: 16	409	Project Owner	rà L	Sol	laris											- 1	- 1						
Lab I.D.  Sample I.D.  \$\begin{array}{c ccccccccccccccccccccccccccccccccccc		Lobo 285 Frac Tank C		-						-	NM	Zim.			2	6								
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Lab I.D.  Sample I.D.  \$\begin{array}{c ccccccccccccccccccccccccccccccccccc		Dominic Casarez					MAT	RIX	Fa	-	SERV	SAMPLI	NG	0	Ē	1 3 1		- 1						
FL #35 @ 6 in		Sample	I.D.	S.	# CONTAINERS	GROUNDWATER	NOS	OIL	SLUDGE OTHER:	ACID/BASE:	ICE / COOL	DATE	TIME	Transport of the Parket of the	*									
FL #36 @ 6 in	1	FL #35 @ 6 in		_	1							10/26/23	10-11	Х	Х	Х								
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7 FL #48 @ 0-3 in C 1 X X 10/26/23 X X X X	4			C	1		X				Х	10/26/23		Х	X	X								
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7 FL #48 @ 0-3 in C 1 X X 10/26/23 X X X X FL #49 @ 0-3 in C 1 X X 10/26/23 X X X X FL #49 @ 0-3 in C 1 X X 10/26/23 X X X X X FL #50 @ 0-3 in C 1 X X 10/26/23 X X X X X FL #51 @ 0-3 in C 1 X X 10/26/23 X X X X X FL #51 @ 0-3 in C 1 X X X 10/26/23 X X X X X FL #51 @ 0-3 in C 1 X X X 10/26/23 X X X X X X FL #51 @ 0-3 in C 1 X X X 10/26/23 X X X X X X X X X X X X X X X X X X X	Ce			С	1		Х				Х	10/26/23		,X	Х	Х								
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FL #50 @ 0-3 in C 1 X X 10/26/23 X X X X  10/26/23 X X X X  10/26/23 X X X X  10/26/23 X X X X  10/26/23 X X X X  10/26/23 X X X X  10/26/23 X X X X  10/26/23 X X X X  10/26/23 X X X X  10/26/23 X X X X X X  10/26/23 X X X X X X X X X X X X X X X X X X X	8			C	1		Х				X	10/26/23	11	χ	X	Х								
FL #51 @ 0-3 in  C 1 X X 10/26/23 X X X  **Including those for negligence and easy other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after convibition of the applicable	9	FL #50 @ 0-3 in		С	1		X				Х	10/26/23		Х	Х	X								
nalyses. All claims including those for negligence and envy other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after complication of the applicable	10			C	1		X				X	10/26/23		Х	X	X								
Relinquished By:    Date:   Da	analyses. All claims inclu service. In no event shall affiliates or successors ari	FL #51 @ 0-3 in and Dernages. Cardinal's liability and of fing those for negligence and eny othe Cardinal be liable for incidental or con- ting out of or related to the performant	of tause whatsoever shall be of the tause when tause wh	c ny clain deemed withou ardinal	n arisin d waive at limital , regard	d unless tion, busin dless of w	r based in made in the mess interwhether s	writing :	and recess, loss of	eived by of use, o	be limited to Cardinal war loss of pro	10/26/23 o the amount pair ithin 30 days after ofts incurred by co	r completion of the street, its subsidier asons or otherwise Phone Re Fax Result	the septice sies, set:	X blo	X	No /	Add'l Fa	ax #:				, ,	

FORM-006 Revision 1.0

Page 23 of 23

# Received by OCD: 12/5/2024 1:25:42 PM

RDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240

Company Name	e: Etech Environmental & Safety Solu	tions	, In	C.					BI	LL TO			1		AN	ALYS	IS R	EQU	EST			
Project Manage	er: Joel Lowry						看	O. #				A	4	. 1								
Address: 26	17 West Marland						C	omp	any	Solar	is	١.					1					
City: Hobbs	State: NM	Zip	: 88	240			At	tn:		Rob Kirl	(	1										
Phone #: (57	(5) 264-9884 Fax #:						A	ddre	ss:	100		1										
Project #: 164	109 Project Owne	r:	So	laris			Ci	ity:	-			1										
Project Name:	Lobo 285 Frac Tank Overflow								NM	Zin:	11		N N	18)								
Project Locatio	n: Rural Eddy							none	-	1	12:11	F	10	802								
	Dominic Casarez							1X #:				Chloride	TPH (8015M)	BTEX (8021B)								
FOR LAB USE ONLY		1	Т		MAT	RIX	1	_	ESERV.	SAMPL	NG	10	1	BTE								
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE OTHER:	ACID/BASE:	ICE / COOL OTHER:	DATE	TIME	r	*	0	t.							
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ははらけら	FL #53 @ 2'	С	1		X				X	10/26/23		Х	X	Х								
13	FL #54 @ 4 ft	C	1		X				Х	10/26/23		Х	Х	Х								
14	NVV-1	С	1		X				X	10/26/23		Х	X	X								
15	SW-1	С	1		X				X	10/26/23		Х	X	X								
14	EW-1	C	1		X		M		Х	10/26/23		X	X	Х								
17	EW-2	С	1		X		T		Х	10/26/23		¥	X	X								
18	WW-1	С	1		X				X	10/26/23		Х	X	Х								
19	WW-2	С	1		X				Х	10/26/23		Х	X	X								
nalyses, All claims Includ ervice. In no event shall C filiates or successors aris	and Damages. Cardinal's liability and client's exclusive remedy for ing those for negligence and any other cause whatsoever shall be sardinal be liable for incidental or consequental damages, includin- ing out of or related to the performance of services hereunder by the control of the properties of the performance of services hereunder by the properties of the properties of the performance of services hereunder by the properties of the properties of th	deeme g withou Cardina	d welv at limit i, rega	ed unleas alion, busi rdless of w	made in sees into hether s	willing :	and rec s, loss o	olved by of use, o	Caudinal vor toes of pr	olthin 30 days after rolls incurred by o	r completion of ti Sent, its subsidis	ve applica vies,	1									
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Sampler - UPS	: (Circle One) - 8.12 #14	0		Co L	mple ol l Yes No	ntack Y	es No	<	3P	(ED BY:	Please e	1	k		i	oC to	pm@e	eteche	env.cor	n.	A.	٥,

Revision 1.0



October 31, 2023

JOEL LOWRY
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: LOBO 285 FRAC TANK OVERFLOW

Enclosed are the results of analyses for samples received by the laboratory on 10/30/23 14:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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)

Celey D. Keine

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. Keene

Lab Director/Quality Manager



### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/30/2023 Sampling Date: 10/27/2023

Reported: 10/31/2023 Sampling Type: Soil
Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Coo

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Tamara Oldaker

Project Location: SOLARIS - EDDY CO., NM

### Sample ID: FL # 40 @ 6 IN (H235932-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.93	96.7	2.00	4.05	
Toluene*	<0.050	0.050	10/30/2023	ND	1.89	94.5	2.00	4.01	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	1.90	95.0	2.00	4.42	QM-07
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.56	92.7	6.00	4.04	QM-07
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.4	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	10/31/2023	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	10/31/2023	ND	185	92.3	200	0.386	
DRO >C10-C28*	<10.0	10.0	10/31/2023	ND	196	98.0	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	83.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.2	% 49.1-14	8						

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Celeg D. Freene



### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/30/2023 Sampling Date: 10/27/2023

Reported: 10/31/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: SOLARIS - EDDY CO., NM

mg/kg

### Sample ID: FL # 41 @ 6 IN (H235932-02)

BTEX 8021B

	9/	9	7111411720						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.93	96.7	2.00	4.05	
Toluene*	<0.050	0.050	10/30/2023	ND	1.89	94.5	2.00	4.01	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	1.90	95.0	2.00	4.42	
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.56	92.7	6.00	4.04	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	10/31/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2023	ND	185	92.3	200	0.386	
DRO >C10-C28*	<10.0	10.0	10/31/2023	ND	196	98.0	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	78.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.7	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/30/2023 Sampling Date: 10/27/2023

Reported: 10/31/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: SOLARIS - EDDY CO., NM

mg/kg

### Sample ID: FL # 42 @ 6 IN (H235932-03)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.93	96.7	2.00	4.05	
Toluene*	<0.050	0.050	10/30/2023	ND	1.89	94.5	2.00	4.01	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	1.90	95.0	2.00	4.42	
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.56	92.7	6.00	4.04	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.7	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	10/31/2023	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	10/31/2023	ND	185	92.3	200	0.386	
DRO >C10-C28*	<10.0	10.0	10/31/2023	ND	196	98.0	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	76.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.4	% 49.1-14	8						

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Celey D. Keine



### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/30/2023 Sampling Date: 10/27/2023

Reported: 10/31/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: SOLARIS - EDDY CO., NM

mg/kg

### Sample ID: FL # 43 @ 6 IN (H235932-04)

BTEX 8021B

				<u> </u>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.93	96.7	2.00	4.05	
Toluene*	<0.050	0.050	10/30/2023	ND	1.89	94.5	2.00	4.01	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	1.90	95.0	2.00	4.42	
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.56	92.7	6.00	4.04	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.5	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	10/31/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2023	ND	185	92.3	200	0.386	
DRO >C10-C28*	10.4	10.0	10/31/2023	ND	196	98.0	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	87.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.3	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/30/2023 Sampling Date: 10/27/2023

Reported: 10/31/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: SOLARIS - EDDY CO., NM

### Sample ID: FL # 44 @ 6 IN (H235932-05)

BTEX 8021B

	9/	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.93	96.7	2.00	4.05	
Toluene*	< 0.050	0.050	10/30/2023	ND	1.89	94.5	2.00	4.01	
Ethylbenzene*	< 0.050	0.050	10/30/2023	ND	1.90	95.0	2.00	4.42	
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.56	92.7	6.00	4.04	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.6	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2030	16.0	10/31/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2023	ND	185	92.3	200	0.386	
DRO >C10-C28*	15.4	10.0	10/31/2023	ND	196	98.0	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	82.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.2	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/30/2023 Sampling Date: 10/27/2023

Reported: 10/31/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: SOLARIS - EDDY CO., NM

## Sample ID: FL # 45 @ 6 IN (H235932-06)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.93	96.7	2.00	4.05	
Toluene*	<0.050	0.050	10/30/2023	ND	1.89	94.5	2.00	4.01	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	1.90	95.0	2.00	4.42	
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.56	92.7	6.00	4.04	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2030	16.0	10/31/2023	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	10/31/2023	ND	185	92.3	200	0.386	
DRO >C10-C28*	10.5	10.0	10/31/2023	ND	196	98.0	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	82.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.9	% 49.1-14	8						

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## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 10/30/2023

Sampling Date: 10/27/2023

Reported: 10/31/2023 Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Type: Soil

Project Number: 16409 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Project Location: SOLARIS - EDDY CO., NM

## Sample ID: FL # 46 @ 6 IN (H235932-07)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.93	96.7	2.00	4.05	
Toluene*	<0.050	0.050	10/30/2023	ND	1.89	94.5	2.00	4.01	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	1.90	95.0	2.00	4.42	
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.56	92.7	6.00	4.04	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	10/31/2023	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	10/31/2023	ND	185	92.3	200	0.386	
DRO >C10-C28*	14.4	10.0	10/31/2023	ND	196	98.0	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	81.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.2	% 49.1-14	8						

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## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/30/2023 Sampling Date: 10/27/2023

Reported: 10/31/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: SOLARIS - EDDY CO., NM

## Sample ID: FL # 47 @ 6 IN (H235932-08)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.93	96.7	2.00	4.05	
Toluene*	<0.050	0.050	10/30/2023	ND	1.89	94.5	2.00	4.01	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	1.90	95.0	2.00	4.42	
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.56	92.7	6.00	4.04	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	16.0	10/31/2023	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	10/31/2023	ND	185	92.3	200	0.386	
DRO >C10-C28*	11.4	10.0	10/31/2023	ND	196	98.0	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	81.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.2	% 49.1-14	8						

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Sample Received By:

Tamara Oldaker

## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/30/2023 Sampling Date: 10/27/2023

Reported: 10/31/2023 Sampling Type: Soil
Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact

Project Number: 16409

Project Location: SOLARIS - EDDY CO., NM

## Sample ID: FL # 55 @ 2-4 FT (H235932-09)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.93	96.7	2.00	4.05	
Toluene*	<0.050	0.050	10/30/2023	ND	1.89	94.5	2.00	4.01	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	1.90	95.0	2.00	4.42	
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.56	92.7	6.00	4.04	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.2	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/31/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2023	ND	185	92.3	200	0.386	
DRO >C10-C28*	77.4	10.0	10/31/2023	ND	196	98.0	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	60.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	62.8	% 49.1-14	8						

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## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/30/2023 Reported: 10/31/2023

Project Name: LOBO 285 FRAC TANK OVERFLOW 16409

Project Location: SOLARIS - EDDY CO., NM Sampling Date: 10/27/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: NW - 2 (H235932-10)

Project Number:

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.93	96.7	2.00	4.05	
Toluene*	<0.050	0.050	10/30/2023	ND	1.89	94.5	2.00	4.01	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	1.90	95.0	2.00	4.42	
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.56	92.7	6.00	4.04	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2600	16.0	10/31/2023	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	10/31/2023	ND	185	92.3	200	0.386	
DRO >C10-C28*	373	10.0	10/31/2023	ND	196	98.0	200	1.93	
EXT DRO >C28-C36	121	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	87.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.1	% 49.1-14	8						

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## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/30/2023 Reported: 10/31/2023

Project Name: LOBO 285 FRAC TANK OVERFLOW

Project Number: 16409

Project Location: SOLARIS - EDDY CO., NM Sampling Date: 10/27/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Tamara Oldaker Sample Received By:

## Sample ID: NW - 3 (H235932-11)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.93	96.7	2.00	4.05	
Toluene*	<0.050	0.050	10/30/2023	ND	1.89	94.5	2.00	4.01	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	1.90	95.0	2.00	4.42	
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.56	92.7	6.00	4.04	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2920	16.0	10/31/2023	ND	432	108	400	0.00	QM-07
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	10/31/2023	ND	185	92.3	200	0.386	
DRO >C10-C28*	416	10.0	10/31/2023	ND	196	98.0	200	1.93	
EXT DRO >C28-C36	137	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	102 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	% 49.1-14	8						

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## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/30/2023 Sampling Date: 10/27/2023

Reported: 10/31/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: SOLARIS - EDDY CO., NM

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## Sample ID: NW - 4 (H235932-12)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.93	96.7	2.00	4.05	
Toluene*	<0.050	0.050	10/30/2023	ND	1.89	94.5	2.00	4.01	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	1.90	95.0	2.00	4.42	
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.56	92.7	6.00	4.04	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2840	16.0	10/31/2023	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	10/31/2023	ND	185	92.3	200	0.386	
DRO >C10-C28*	198	10.0	10/31/2023	ND	196	98.0	200	1.93	
EXT DRO >C28-C36	68.4	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118	% 49.1-14	8						

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## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/30/2023 Sampling Date: 10/27/2023

Reported: 10/31/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 16409 Sample Received By:

Project Location: SOLARIS - EDDY CO., NM

## Sample ID: NW - 5 (H235932-13)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.93	96.7	2.00	4.05	
Toluene*	<0.050	0.050	10/30/2023	ND	1.89	94.5	2.00	4.01	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	1.90	95.0	2.00	4.42	
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.56	92.7	6.00	4.04	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2680	16.0	10/31/2023	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	10/31/2023	ND	185	92.3	200	0.386	
DRO >C10-C28*	98.6	10.0	10/31/2023	ND	196	98.0	200	1.93	
EXT DRO >C28-C36	25.4	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	95.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.3	% 49.1-14	8						

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## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/30/2023 Sampling Date: 10/27/2023

Reported: 10/31/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Tamara Oldaker

Project Location: SOLARIS - EDDY CO., NM

## Sample ID: NW - 6 (H235932-14)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.93	96.7	2.00	4.05	
Toluene*	<0.050	0.050	10/30/2023	ND	1.89	94.5	2.00	4.01	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	1.90	95.0	2.00	4.42	
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.56	92.7	6.00	4.04	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.5	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8800	16.0	10/31/2023	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	10/31/2023	ND	185	92.3	200	0.386	
DRO >C10-C28*	289	10.0	10/31/2023	ND	196	98.0	200	1.93	
EXT DRO >C28-C36	98.1	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	94.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/30/2023 Sampling Date: 10/27/2023

Reported: 10/31/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: SOLARIS - EDDY CO., NM

mg/kg

## Sample ID: NW - 7 (H235932-15)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.93	96.7	2.00	4.05	
Toluene*	<0.050	0.050	10/30/2023	ND	1.89	94.5	2.00	4.01	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	1.90	95.0	2.00	4.42	
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.56	92.7	6.00	4.04	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.6	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	10/31/2023	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	10/31/2023	ND	185	92.3	200	0.386	
DRO >C10-C28*	<10.0	10.0	10/31/2023	ND	196	98.0	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	119	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123	% 49.1-14	8						

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## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/30/2023 Sampling Date: 10/27/2023

Reported: 10/31/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: SOLARIS - EDDY CO., NM

ma/ka

## Sample ID: SW - 2 (H235932-16)

RTFY 8021R

B1EX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.93	96.7	2.00	4.05	
Toluene*	<0.050	0.050	10/30/2023	ND	1.89	94.5	2.00	4.01	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	1.90	95.0	2.00	4.42	
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.56	92.7	6.00	4.04	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3120	16.0	10/31/2023	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	10/31/2023	ND	185	92.3	200	0.386	
DRO >C10-C28*	500	10.0	10/31/2023	ND	196	98.0	200	1.93	
EXT DRO >C28-C36	171	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	96.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/30/2023 Sampling Date: 10/27/2023

Reported: 10/31/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact Project Number: 16409 Sample Received By: Tamara Oldaker

Project Location: SOLARIS - EDDY CO., NM

## Sample ID: SW - 3 (H235932-17)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.93	96.7	2.00	4.05	
Toluene*	<0.050	0.050	10/30/2023	ND	1.89	94.5	2.00	4.01	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	1.90	95.0	2.00	4.42	
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.56	92.7	6.00	4.04	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2720	16.0	10/31/2023	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	10/31/2023	ND	185	92.3	200	0.386	
DRO >C10-C28*	579	10.0	10/31/2023	ND	196	98.0	200	1.93	
EXT DRO >C28-C36	200	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	104 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	6 49.1-14	8						

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## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/30/2023 Sampling Date: 10/27/2023

Reported: 10/31/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: SOLARIS - EDDY CO., NM

ma/ka

## Sample ID: SW - 4 (H235932-18)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.93	96.7	2.00	4.05	
Toluene*	<0.050	0.050	10/30/2023	ND	1.89	94.5	2.00	4.01	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	1.90	95.0	2.00	4.42	
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.56	92.7	6.00	4.04	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.2	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2880	16.0	10/31/2023	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	10/31/2023	ND	185	92.3	200	0.386	
DRO >C10-C28*	199	10.0	10/31/2023	ND	196	98.0	200	1.93	
EXT DRO >C28-C36	73.4	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	122	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127	% 49.1-14	8						

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## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/30/2023 Sampling Date: 10/27/2023

Reported: 10/31/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact Project Number: 16409 Sample Received By: Tamara Oldaker

Project Location: SOLARIS - EDDY CO., NM

## Sample ID: SW - 5 (H235932-19)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.93	96.7	2.00	4.05	
Toluene*	<0.050	0.050	10/30/2023	ND	1.89	94.5	2.00	4.01	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	1.90	95.0	2.00	4.42	
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.56	92.7	6.00	4.04	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.7	% 71.5-13	4						
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	10/31/2023	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	10/31/2023	ND	185	92.3	200	0.386	
DRO >C10-C28*	176	10.0	10/31/2023	ND	196	98.0	200	1.93	
EXT DRO >C28-C36	58.9	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	87.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.5	% 49.1-14	8						

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Celey D. Keene



Tamara Oldaker

## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 10/30/2023 Reported:

Sampling Date: 10/27/2023 10/31/2023 Sampling Type: Soil LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact

Sample Received By:

Project Name: Project Number: 16409

Project Location: SOLARIS - EDDY CO., NM

Sample ID: SW - 6 (H235932-20)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2023	ND	1.93	96.7	2.00	4.05	
Toluene*	<0.050	0.050	10/30/2023	ND	1.89	94.5	2.00	4.01	
Ethylbenzene*	<0.050	0.050	10/30/2023	ND	1.90	95.0	2.00	4.42	
Total Xylenes*	<0.150	0.150	10/30/2023	ND	5.56	92.7	6.00	4.04	
Total BTEX	<0.300	0.300	10/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10100	16.0	10/31/2023	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	10/31/2023	ND	185	92.3	200	0.386	
DRO >C10-C28*	271	10.0	10/31/2023	ND	196	98.0	200	1.93	
EXT DRO >C28-C36	94.2	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	91.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.3	% 49.1-14	8						

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## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/30/2023 Sampling Date: 10/27/2023

Reported: 10/31/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact Project Number: 16409 Sample Received By: Tamara Oldaker

Project Location: SOLARIS - EDDY CO., NM

## Sample ID: SW - 7 (H235932-21)

BTEX 8021B	mg	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2023	ND	2.07	103	2.00	2.80	
Toluene*	<0.050	0.050	10/31/2023	ND	1.82	91.2	2.00	3.41	
Ethylbenzene*	<0.050	0.050	10/31/2023	ND	1.86	92.9	2.00	4.27	
Total Xylenes*	<0.150	0.150	10/31/2023	ND	5.55	92.6	6.00	4.55	
Total BTEX	<0.300	0.300	10/31/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1340	16.0	10/31/2023	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	10/31/2023	ND	168	84.1	200	1.54	
DRO >C10-C28*	<10.0	10.0	10/31/2023	ND	174	86.9	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	73.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	66.5	% 49.1-14	8						

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## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/30/2023 Sampling Date: 10/27/2023

Reported: 10/31/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Tamara Oldaker

Project Location: SOLARIS - EDDY CO., NM

## Sample ID: EW - 3 (H235932-22)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2023	ND	2.07	103	2.00	2.80	
Toluene*	<0.050	0.050	10/31/2023	ND	1.82	91.2	2.00	3.41	
Ethylbenzene*	<0.050	0.050	10/31/2023	ND	1.86	92.9	2.00	4.27	
Total Xylenes*	<0.150	0.150	10/31/2023	ND	5.55	92.6	6.00	4.55	
Total BTEX	<0.300	0.300	10/31/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/31/2023	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	10/31/2023	ND	168	84.1	200	1.54	
DRO >C10-C28*	97.2	10.0	10/31/2023	ND	174	86.9	200	5.27	
EXT DRO >C28-C36	19.0	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	58.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	59.6	% 49.1-14	8						

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## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/30/2023 Sampling Date: 10/27/2023

Reported: 10/31/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Tamara Oldaker

Project Location: SOLARIS - EDDY CO., NM

## Sample ID: WW - 3 (H235932-23)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2023	ND	2.07	103	2.00	2.80	
Toluene*	<0.050	0.050	10/31/2023	ND	1.82	91.2	2.00	3.41	
Ethylbenzene*	<0.050	0.050	10/31/2023	ND	1.86	92.9	2.00	4.27	
Total Xylenes*	<0.150	0.150	10/31/2023	ND	5.55	92.6	6.00	4.55	
Total BTEX	<0.300	0.300	10/31/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/31/2023	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	10/31/2023	ND	168	84.1	200	1.54	
DRO >C10-C28*	138	10.0	10/31/2023	ND	174	86.9	200	5.27	
EXT DRO >C28-C36	30.1	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	71.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.8	% 49.1-14	8						

Surrogate: 1-Chlorooctadecane /3.8 % 49.1-148

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Frene



## **Notes and Definitions**

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

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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Celey D. Keene

## Received by OCD: 12/5/2024 1:25:42 PM

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

## RDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name:	Etech Environmental & Safety Solu	tions	, Inc	).						<b>3/</b> [	L TO						ANA	LYS	SR	EQU	EST		
Project Manager	: Joel Lowry						A	0. #	:														
Address: 2617	7 West Marland						C	omp	any		Solaris	3											
City: Hobbs	State: NM	Zip	: 88	240			At	tn:			Rob Kirk												
Phone #: (575	) 264-9884 Fax #:						A	ddre	ss:									1					
Project #: 1640	9 Project Owne	r:	So	laris			Ci	ity:					1 1										
	Lobo 285 Frac Tank Overflow								NI	М	Zip:	,	a	(WS	118								
Project Location								hone				1	Chloride	TPH (8015M)	BTEX (8021B)								
Sampler Name:					-		_	ax #:	_		14	1	픐	H	X								
FOR LAB USE ONLY		T			MAT	RIX			ESE	RV.	SAMPLIN	IG		F	BT			1					
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	- Windows	*			ł						
	FL #40 @ 6 in	С	_		Х				X		10/27/23	1-0-1	Х	Х	X								
	FL #41 @ 6 in	С	1		X				Х		10/27/23		Х	Х	Х								
	FL #42 @ 6 in	С	1		X				Х		10/27/23		Х	Х	Х		4						
4	FL #43 @ 6 in	С	1		Х				Х		10/27/23		Х	Х	Х								
5	FL #44 @ 6 in	С	1		X				Х		10/27/23		Х	Х	Х								
6	FL #45 @ 6 in	С	1		X		1		Х		10/27/23		1	Х	Х								
7	FL #46 @ 6 in	С	1		X				Х		10/27/23		Х	Х	Х								
	FL #47 @ 6 in	С	1		X				Х		10/27/23		Х	Х	Х								
9	FL #55 @ 2-4 ft	С	1		X				Х		10/27/23		Х	Х	Х								
10	NW-2	С			X				X		10/27/23		IX '	Х	X								
analyses. All claims includ	Time: 1435	e deeming without Cardin	ed wain out limit al, rega ecei	ed unless	made in ness inte thether s	writing a	and rec	eivad b	or loss	inal w	rithin 30 days after ofits incurred by cli	completion of the	ne applicaties, se. suft: t:	□ Ye		No No		Phone Fax #		14)	ne:	S	
	r: (Circle One)	#	140	Co	mple ool Yes No	ntact					(ED BY:	Please e	mail r	esults	and	сору	of Co	C to p	m@e	eteche	env.co	m.	

FORM-006 Revision 1.0

Released to Imaging: 4/29/2025 9:18:52 AM

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST** 

# Received by OCD: 12/5/2024 1:25:42 PM

## RDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name:	Etech Environmental & Safety S	olutions	, Inc	).						BI	<u>LL 70</u>						ANA	LYSI	S R	EQUE	ST			
Project Manager	: Joel Lowry						P.	.O. #	<b>‡</b> :															
Address: 261	7 West Marland						С	omp	any	1	Solaris	S												
City: Hobbs	State: NM	Zip	: 88	240			A	ttn:			Rob Kirk													
Phone #: (575	i) 264-9884						A	ddre	ess:								-							
Project #: 164	09 Project Ow	ner:	So	laris			c	ity:			1		1 1											
Project Name:	Lobo 285 Frac Tank Overflow						S	tate:	: N	IM	Zip:		٩	TPH (8015M)	BTEX (8021B)		1							
Project Location	n: Rural Eddy						Р	hone	e #:				Chloride	801	(80									
Sampler Name:	Dominic Casarez						F	ax#	:				당	Ŧ	X									
FOR LAB USE ONLY					MAT	RIX		PR	RESE	RV	SAMPLIN	1G		=	E B									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE OTHER	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME												
11	NW-3	С	1		X				X		10/27/23		Х	Х	Х									
12	NW-4	С	1		X				X		10/27/23		Х	X	X									
13	NW-5	С	1		X				X		10/27/23		X	X	X		Į.							
14	NVV-6	С	1		Х				X		10/27/23		X	X	X									
15	NW-7	0	_		X		_	$\perp$	X	_	10/27/23		Х	X	X	-								
16	SW-2	C	-	<u> </u>	X			$\perp$	X		10/27/23		Х	Х	X	-		ļ	1				_	
17	SW-3	C			X		_	1	X	-	10/27/23		Х	X	X	-	1	_	-	-	-			
18	SW-4	0			X		-	+	X	1	10/27/23		X	X	Х	-	-	-	-	-	-		_	_
19	SW-5	0	_		X			ik.	X	-	10/27/23		X	X	X	-		-	-	-	-		_	_
ZO	SW-6 and Damages. Cardinal's liability and client's exclusive remed	o for any cla		ing whether	X er based	in cont	ract or 1	tort, sha	X all be li		10/27/23 to the amount paid	by the client for	the	Х	Х									$\dashv$
analyses. All claims includ	ling those for negligence and any other cause whatsoever shardinal be liable for incidental or consequental damages, in sing out of or related to the performance of services hereund by:    Date:	all be deem duding with er by Cardin	ed wai out limi al, reg	ved unless tation, busi ardless of v	made in iness into whether y:	n writing erruptio	and re	ceived of use	by Car or los	rdinal ss of p	within 30 days after xofits incurred by ci he above stated rea	completion of the control of the con	ne applica ries, se. esult: lt: S: /	□ Ye	is [	No No	Add'I	Phone Fax #:	10	34,	hR	S		
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Page 28 of 28

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

## RDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name	: Etech Environmental & Safety Sol	utions	s, 1n	c.						BI	LL 70						ANA	LYSI	SRE	QUE	ST		
Project Manage	r: Joel Lowry					_	F	P.O. 1	#:					71									
Address: 261	7 West Marland						c	omp	pan	у	Solar	is	3										
City: Hobbs	State: NM	Zip	: 88	240			A	Attn:			Rob Kirk								- 01				
Phone #: (57	5) 264-9884 Fax #:						A	Addre	ess	:	,												
Project #: 164	09 Project Own	er:	Sc	olaris			c	City:														-	
Project Name:	Lobo 285 Frac Tank Overflow						5	State	: 1	MI	Zip:		e	TPH (8015M)	BTEX (8021B)								
Project Locatio	n: Rural Eddy						F	hon	e #:	:		L V	Chloride	801	(80)								
Sampler Name:	Dominic Casarez						F	ax#	<b>#</b> :				Eh!	Ŧ	X								
FOR LAB USE ONLY			Г		MAT	RIX		PF	RES	ERV.	SAMPLI	NG	9	1	B								
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE	OTHER: ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	, ,										
21	SW-7	С	1		X				X		10/27/23	PERM	JX	Х	Х								
	EW-3	ő	1		X				X		10/27/23		Х	X	X								
33	WW-3	C	1	1	X		-	-	X		10/27/23		Х	Х	X		-						
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analyses. All claims include service. In no event shall to	and Damages. Cardinal's liability and client's exclusive remedy for fing those for negligence and any other cause whatsoever shall cardinal be liable for incidental or consequental damages, inclusing out of or related to the performance of services hereunder to be services between the performance of services hereunder to be serviced by:	be deem ling with y Cardin	ed wai out limi al, reg	ved unless tation, busi	made in iness into whether	writing erruptio	and r	eceived is of use	by Ca b, or lo	rdinal v	within 30 days after rofits incurred by c	r completion of the filent, its subsidiar asons or otherwise Phone ReFax Resul	ne applica nies, se. sult: lt:	□ Ye		No No		Phone Fax #:					
Refinquished E	Time: Time:	R	ece	//// ived B	///// v:	IU	U		Ala		)	Please e		esulte	s and	R	ef Col	h	. (		LHE		
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Received by OCD: 12/5/2024 1:25:42 PM

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



November 15, 2023

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: LOBO

Enclosed are the results of analyses for samples received by the laboratory on 10/30/23 17:02.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accredited certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2 Regulated VOCs and Total Trihalomethanes (TTHM)

Method EPA 552.2 Total Haloacetic Acids (HAA-5)

Celey D. Keene

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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. Keene

Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240 Project: LOBO
Project Number: NONE GIVEN

Project Manager: JOEL LOWRY

Fax To:

Reported: 15-Nov-23 09:44

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL # 32 @ 6IN	H235943-01	Soil	29-Oct-23 14:00	30-Oct-23 17:02
FL # 34 @ 6IN	H235943-02	Soil	29-Oct-23 14:00	30-Oct-23 17:02
FL # 33 @ 6IN	H235943-03	Soil	29-Oct-23 14:00	30-Oct-23 17:02
SHd	H235943-04	Soil	29-Oct-23 14:00	30-Oct-23 17:02
NHc	H235943-05	Soil	29-Oct-23 14:00	30-Oct-23 17:02
WHc	H235943-06	Soil	29-Oct-23 14:00	30-Oct-23 17:02
EHf	H235943-07	Soil	29-Oct-23 14:00	30-Oct-23 17:02
SW-8	H235943-08	Soil	29-Oct-23 14:00	30-Oct-23 17:02
EW-5	H235943-09	Soil	29-Oct-23 14:00	30-Oct-23 17:02
NW-8	H235943-10	Soil	29-Oct-23 14:00	30-Oct-23 17:02
EW-6	H235943-11	Soil	29-Oct-23 14:00	30-Oct-23 17:02
EW-7	H235943-12	Soil	29-Oct-23 14:00	30-Oct-23 17:02
SW-9	H235943-13	Soil	29-Oct-23 14:00	30-Oct-23 17:02
EW-4	H235943-14	Soil	29-Oct-23 14:00	30-Oct-23 17:02

11/15/23 - Client changed some sample IDs (see COC). This is the revised report and will replace the one sent on 10/31/23.

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



## Analytical Results For:

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240 Project: LOBO

Project Number: NONE GIVEN

Project Manager: JOEL LOWRY

Fax To:

Reported: 15-Nov-23 09:44

FL # 32 @ 6IN H235943-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<b>Inorganic Compounds</b>										
Chloride	2000		16.0	mg/kg	4	3103116	AC	31-Oct-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								S-04
Benzene*	< 0.050		0.050	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Toluene*	2.83		0.050	mg/kg	50	3103068	ЈН	31-Oct-23	8021B	QM-07
Ethylbenzene*	2.52		0.050	mg/kg	50	3103068	ЈН	31-Oct-23	8021B	QM-07
Total Xylenes*	14.9		0.150	mg/kg	50	3103068	ЈН	31-Oct-23	8021B	QM-07
Total BTEX	20.3		0.300	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID	))		226 %	71.5	-134	3103068	ЈН	31-Oct-23	8021B	
Petroleum Hydrocarbons by C	GC FID									S-04
GRO C6-C10*	623		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	QM-07
DRO >C10-C28*	3120		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	QM-07
EXT DRO >C28-C36	718		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
Surrogate: 1-Chlorooctane			141 %	48.2	-134	3103067	MS	31-Oct-23	8015B	
Surrogate: 1-Chlorooctadecane			116 %	49.1	-148	3103067	MS	31-Oct-23	8015B	

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



## Analytical Results For:

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240 Project: LOBO

Project Number: NONE GIVEN

Project Manager: JOEL LOWRY

Fax To:

Reported: 15-Nov-23 09:44

FL # 34 @ 6IN H235943-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	1870		16.0	mg/kg	4	3103116	AC	31-Oct-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								S-04
Benzene*	< 0.050		0.050	mg/kg	50	3103068	ЈН	31-Oct-23	8021B	
Toluene*	2.85		0.050	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Ethylbenzene*	2.42		0.050	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Total Xylenes*	14.2		0.150	mg/kg	50	3103068	ЈН	31-Oct-23	8021B	
Total BTEX	19.5		0.300	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)	)		237 %	71.5	-134	3103068	ЈН	31-Oct-23	8021B	
Petroleum Hydrocarbons by C	GC FID									S-04
GRO C6-C10*	565		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
DRO >C10-C28*	2950		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
EXT DRO >C28-C36	688		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
Surrogate: 1-Chlorooctane			143 %	48.2	-134	3103067	MS	31-Oct-23	8015B	
Surrogate: 1-Chlorooctadecane			117 %	49.1	-148	3103067	MS	31-Oct-23	8015B	

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



## Analytical Results For:

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240 Project: LOBO

Project Number: NONE GIVEN Project Manager: JOEL LOWRY

Fax To:

Reported: 15-Nov-23 09:44

FL # 33 @ 6IN H235943-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	1520		16.0	mg/kg	4	3103116	AC	31-Oct-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								S-04
Benzene*	< 0.050		0.050	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Toluene*	3.08		0.050	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Ethylbenzene*	2.67		0.050	mg/kg	50	3103068	ЈН	31-Oct-23	8021B	
Total Xylenes*	15.4		0.150	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Total BTEX	21.2		0.300	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)	)		229 %	71.5	-134	3103068	ЈН	31-Oct-23	8021B	
Petroleum Hydrocarbons by C	GC FID									S-04
GRO C6-C10*	737		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
DRO >C10-C28*	3050		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
EXT DRO >C28-C36	701		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
Surrogate: 1-Chlorooctane			145 %	48.2	-134	3103067	MS	31-Oct-23	8015B	
Surrogate: 1-Chlorooctadecane			112 %	49.1	-148	3103067	MS	31-Oct-23	8015B	

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## **Analytical Results For:**

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240 Project: LOBO

Project Number: NONE GIVEN

Project Manager: JOEL LOWRY

Fax To:

Reported: 15-Nov-23 09:44

## SHd H235943-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	128		16.0	mg/kg	4	3103116	AC	31-Oct-23	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Toluene*	0.075		0.050	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Ethylbenzene*	0.061		0.050	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Total Xylenes*	0.388		0.150	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Total BTEX	0.524		0.300	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			113 %	71.5	-134	3103068	JH	31-Oct-23	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
DRO >C10-C28*	66.4		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
EXT DRO >C28-C36	23.7		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
Surrogate: 1-Chlorooctane			87.4 %	48.2	-134	3103067	MS	31-Oct-23	8015B	
Surrogate: 1-Chlorooctadecane			100 %	49.1	-148	3103067	MS	31-Oct-23	8015B	

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## **Analytical Results For:**

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240 Project: LOBO

Project Number: NONE GIVEN

Project Manager: JOEL LOWRY

Fax To:

Reported: 15-Nov-23 09:44

## NHc H235943-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	144		16.0	mg/kg	4	3103116	AC	31-Oct-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	))		109 %	71.5	-134	3103068	ЈН	31-Oct-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
DRO >C10-C28*	71.2		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
EXT DRO >C28-C36	21.5		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
Surrogate: 1-Chlorooctane			81.0 %	48.2	-134	3103067	MS	31-Oct-23	8015B	
Surrogate: 1-Chlorooctadecane			90.4 %	49.1	-148	3103067	MS	31-Oct-23	8015B	

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## **Analytical Results For:**

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240 Project: LOBO

Project Number: NONE GIVEN

Project Manager: JOEL LOWRY

Fax To:

Reported: 15-Nov-23 09:44

## WHc H235943-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	128		16.0	mg/kg	4	3103116	AC	31-Oct-23	4500-Cl-B	
Volatile Organic Compounds by	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			112 %	71.5	-134	3103068	JH	31-Oct-23	8021B	
Petroleum Hydrocarbons by Go	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
DRO >C10-C28*	88.7		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
EXT DRO >C28-C36	29.1		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
Surrogate: 1-Chlorooctane			71.4 %	48.2	-134	3103067	MS	31-Oct-23	8015B	
Surrogate: 1-Chlorooctadecane			79.9 %	49.1	-148	3103067	MS	31-Oct-23	8015B	

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## Analytical Results For:

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240 Project: LOBO

Project Number: NONE GIVEN

Project Manager: JOEL LOWRY

Fax To:

Reported: 15-Nov-23 09:44

## EHf H235943-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	144		16.0	mg/kg	4	3103116	AC	31-Oct-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		114 %	71.5	-134	3103068	JH	31-Oct-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
DRO >C10-C28*	73.7		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
EXT DRO >C28-C36	23.4		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
Surrogate: 1-Chlorooctane			89.1 %	48.2	-134	3103067	MS	31-Oct-23	8015B	
Surrogate: 1-Chlorooctadecane			99.7 %	49.1	-148	3103067	MS	31-Oct-23	8015B	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240 Project: LOBO

Project Number: NONE GIVEN Project Manager: JOEL LOWRY

Fax To:

Reported: 15-Nov-23 09:44

## SW-8 H235943-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	1550		16.0	mg/kg	4	3103121	AC	31-Oct-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								S-04
Benzene*	< 0.050		0.050	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3103068	JH	31-Oct-23	8021B	GC-NC
Total Xylenes*	0.255		0.150	mg/kg	50	3103068	JH	31-Oct-23	8021B	GC-NC1
Total BTEX	< 0.300		0.300	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	))		158 %	71.5	-134	3103068	JH	31-Oct-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	105		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
DRO >C10-C28*	1760		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
EXT DRO >C28-C36	467		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
Surrogate: 1-Chlorooctane			105 %	48.2	-134	3103067	MS	31-Oct-23	8015B	
Surrogate: 1-Chlorooctadecane			101 %	49.1	-148	3103067	MS	31-Oct-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager

Reported:

15-Nov-23 09:44



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

## **Analytical Results For:**

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240 Project: LOBO

Project Number: NONE GIVEN

Project Manager: JOEL LOWRY

Fax To:

EW-5 H235943-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	3200		16.0	mg/kg	4	3103121	AC	31-Oct-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)	)		128 %	71.5	-134	3103068	JH	31-Oct-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
DRO >C10-C28*	133		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
EXT DRO >C28-C36	50.3		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
Surrogate: 1-Chlorooctane			95.2 %	48.2	-134	3103067	MS	31-Oct-23	8015B	
Surrogate: 1-Chlorooctadecane			105 %	49.1	-148	3103067	MS	31-Oct-23	8015B	

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## **Analytical Results For:**

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240 Project: LOBO

Project Number: NONE GIVEN Project Manager: JOEL LOWRY

Fax To:

Reported: 15-Nov-23 09:44

## NW-8 H235943-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					
Inorganic Compounds										
Chloride	2880		16.0	mg/kg	4	3103121	AC	31-Oct-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	(D)		119 %	71.5	-134	3103068	JH	31-Oct-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
DRO >C10-C28*	111		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
EXT DRO >C28-C36	38.9		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
Surrogate: 1-Chlorooctane			92.5 %	48.2	-134	3103067	MS	31-Oct-23	8015B	
Surrogate: 1-Chlorooctadecane			105 %	49.1	-148	3103067	MS	31-Oct-23	8015B	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240 Project: LOBO

Project Number: NONE GIVEN Project Manager: JOEL LOWRY

Fax To:

Reported: 15-Nov-23 09:44

EW-6 H235943-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	1880		16.0	mg/kg	4	3103121	AC	31-Oct-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								S-04
Benzene*	< 0.050		0.050	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3103068	ЈН	31-Oct-23	8021B	GC-NC
Total Xylenes*	0.222		0.150	mg/kg	50	3103068	JH	31-Oct-23	8021B	GC-NC1
Total BTEX	< 0.300		0.300	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)	)		147 %	71.5	-134	3103068	JH	31-Oct-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	138		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
DRO >C10-C28*	2270		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
EXT DRO >C28-C36	588		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
Surrogate: 1-Chlorooctane			103 %	48.2	-134	3103067	MS	31-Oct-23	8015B	
Surrogate: 1-Chlorooctadecane			100 %	49.1	-148	3103067	MS	31-Oct-23	8015B	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240 Project: LOBO

Project Number: NONE GIVEN Project Manager: JOEL LOWRY

Fax To:

Reported: 15-Nov-23 09:44

## EW-7 H235943-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	1640		16.0	mg/kg	4	3103121	AC	31-Oct-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								S-04
Benzene*	< 0.050		0.050	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3103068	ЈН	31-Oct-23	8021B	GC-NC
Total Xylenes*	0.229		0.150	mg/kg	50	3103068	JH	31-Oct-23	8021B	GC-NC1
Total BTEX	< 0.300		0.300	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)	)		226 %	71.5	-134	3103068	JH	31-Oct-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	151		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
DRO >C10-C28*	2540		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
EXT DRO >C28-C36	678		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
Surrogate: 1-Chlorooctane			115 %	48.2	-134	3103067	MS	31-Oct-23	8015B	
Surrogate: 1-Chlorooctadecane			112 %	49.1	-148	3103067	MS	31-Oct-23	8015B	

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240 Project: LOBO

Project Number: NONE GIVEN

Project Manager: JOEL LOWRY

Fax To:

Reported: 15-Nov-23 09:44

#### SW-9 H235943-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	1730		16.0	mg/kg	4	3103121	AC	31-Oct-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								S-04
Benzene*	< 0.050		0.050	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3103068	JН	31-Oct-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3103068	JH	31-Oct-23	8021B	GC-NC
Total Xylenes*	0.202		0.150	mg/kg	50	3103068	JH	31-Oct-23	8021B	GC-NC1
Total BTEX	< 0.300		0.300	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID	)		148 %	71.5	-134	3103068	ЈН	31-Oct-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	122		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
DRO >C10-C28*	2160		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
EXT DRO >C28-C36	574		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
Surrogate: 1-Chlorooctane			116 %	48.2	-134	3103067	MS	31-Oct-23	8015B	
Surrogate: 1-Chlorooctadecane			112 %	49.1	-148	3103067	MS	31-Oct-23	8015B	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### **Analytical Results For:**

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240 Project: LOBO

Project Number: NONE GIVEN Project Manager: JOEL LOWRY

Fax To:

Reported: 15-Nov-23 09:44

#### EW-4 H235943-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	3280		16.0	mg/kg	4	3103121	AC	31-Oct-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3103068	JH	31-Oct-23	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	D)		123 %	71.5	-134	3103068	ЈН	31-Oct-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
DRO >C10-C28*	153		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
EXT DRO >C28-C36	57.0		10.0	mg/kg	1	3103067	MS	31-Oct-23	8015B	
Surrogate: 1-Chlorooctane			97.6 %	48.2	-134	3103067	MS	31-Oct-23	8015B	
Surrogate: 1-Chlorooctadecane			110 %	49.1	-148	3103067	MS	31-Oct-23	8015B	

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Celeg D. Keine



#### Analytical Results For:

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240 Project: LOBO

Project Number: NONE GIVEN

Project Manager: JOEL LOWRY

Fax To:

Reported: 15-Nov-23 09:44

#### **Inorganic Compounds - Quality Control**

#### **Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3103116 - 1:4 DI Water										
Blank (3103116-BLK1)				Prepared &	Analyzed:	31-Oct-23				
Chloride	ND	16.0	mg/kg							
LCS (3103116-BS1)				Prepared &	Analyzed:	31-Oct-23				
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (3103116-BSD1)				Prepared &	Analyzed:	31-Oct-23				
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
Batch 3103121 - 1:4 DI Water										
Blank (3103121-BLK1)				Prepared &	Analyzed:	31-Oct-23				
Chloride	ND	16.0	mg/kg							
LCS (3103121-BS1)				Prepared &	Analyzed:	31-Oct-23				
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (3103121-BSD1)				Prepared &	Analyzed:	31-Oct-23				
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	

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Celey D. Keine



%REC

Limits

RPD

#### Analytical Results For:

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240

Analyte

o-Xylene

Total Xylenes

Surrogate: 4-Bromofluorobenzene (PID)

Project: LOBO

Project Number: NONE GIVEN

Project Manager: JOEL LOWRY

Fax To:

Reporting

Limit

Result

2.17

6.55

0.0542

0.050

0.150

mg/kg

mg/kg

mg/kg

2.00

6.00

0.0500

Reported: 15-Nov-23 09:44

RPD

Limit

Notes

#### Volatile Organic Compounds by EPA Method 8021 - Quality Control

#### **Cardinal Laboratories**

Units

Spike

Level

Source

Result

%REC

109

109

108

86.1-125

88.2-128

71.5-134

1.04

16.7

16.3

rmaryte	Result	Limit	Cints	Level	Result	70ICLC	Limits	KI D	Limit	rvotes
Batch 3103068 - Volatiles										
Blank (3103068-BLK1)				Prepared: 3	30-Oct-23 A	nalyzed: 3	31-Oct-23			
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0537		mg/kg	0.0500		107	71.5-134			
LCS (3103068-BS1)				Prepared: 3	30-Oct-23 A	nalyzed: 3	31-Oct-23			
Benzene	1.97	0.050	mg/kg	2.00		98.3	82.8-130			
Toluene	2.04	0.050	mg/kg	2.00		102	86-128			
Ethylbenzene	2.18	0.050	mg/kg	2.00		109	85.9-128			
m,p-Xylene	4.33	0.100	mg/kg	4.00		108	89-129			
o-Xylene	2.15	0.050	mg/kg	2.00		108	86.1-125			
Total Xylenes	6.48	0.150	mg/kg	6.00		108	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0568		mg/kg	0.0500		114	71.5-134			
LCS Dup (3103068-BSD1)				Prepared: 3	30-Oct-23 A	nalyzed: 3	31-Oct-23			
Benzene	2.10	0.050	mg/kg	2.00	-	105	82.8-130	6.56	15.8	
Toluene	2.11	0.050	mg/kg	2.00		105	86-128	3.42	15.9	
Ethylbenzene	2.22	0.050	mg/kg	2.00		111	85.9-128	1.89	16	
m,p-Xylene	4.38	0.100	mg/kg	4.00		109	89-129	1.09	16.2	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



%REC

#### **Analytical Results For:**

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240 Project: LOBO

Project Number: NONE GIVEN

Spike

Source

Project Manager: JOEL LOWRY

Fax To:

Reported: 15-Nov-23 09:44

RPD

#### Petroleum Hydrocarbons by GC FID - Quality Control

#### **Cardinal Laboratories**

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3103067 - General Prep - Organics										
Blank (3103067-BLK1)				Prepared: 3	30-Oct-23 A	analyzed: 3	1-Oct-23			
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	45.9		mg/kg	50.0		91.8	48.2-134			
Surrogate: 1-Chlorooctadecane	51.4		mg/kg	50.0		103	49.1-148			
LCS (3103067-BS1)				Prepared: 3	30-Oct-23 A	analyzed: 3	1-Oct-23			
GRO C6-C10	184	10.0	mg/kg	200		91.9	66.4-123			
DRO >C10-C28	174	10.0	mg/kg	200		87.2	66.5-118			
Total TPH C6-C28	358	10.0	mg/kg	400		89.5	77.6-123			
Surrogate: 1-Chlorooctane	52.0		mg/kg	50.0		104	48.2-134			
Surrogate: 1-Chlorooctadecane	54.9		mg/kg	50.0		110	49.1-148			
LCS Dup (3103067-BSD1)				Prepared: 3	30-Oct-23 A	analyzed: 3	1-Oct-23			
GRO C6-C10	190	10.0	mg/kg	200		94.8	66.4-123	3.05	17.7	
DRO >C10-C28	183	10.0	mg/kg	200		91.3	66.5-118	4.69	21	
Total TPH C6-C28	372	10.0	mg/kg	400		93.0	77.6-123	3.85	18.5	
Surrogate: 1-Chlorooctane	51.8		mg/kg	50.0		104	48.2-134			
Surrogate: 1-Chlorooctadecane	55.2		mg/kg	50.0		110	49.1-148			

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



#### **Notes and Definitions**

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed: initial GC results were not supported by GC/MS analysis and are biased high with

The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with

interfering compounds.

GC-NC 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

S-04

\*\* 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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Celey D. Keene

RDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name	alast Manager 7										1	81	LL TO						ANA	LYS	is	REC	UES	ST			
Project Manage	or: Joel lawry								P.	0. #								T	T	T	T	T			T		
Address: P.C									Co	omp	any:	:			1												
City: Lovingt	on	State: NM	Zip	: 88	260					tn:		4															
Phone #: (57	5) 396-2378	Fax #: (575) 3	96-1	429						idre	SS:				1												
Project #:		Project Owner	:						Ci	ty:							-								1		
Project Name:	L060				v 100	-		-	St	ate:			Zip:			SM)	18										
Project Locatio									Ph	ione	#:			Vicini	Chloride	FPH (8015M)	BTEX (8021B)										
Sampler Name:	Mortin Sepu	weln							Fa	x #:				44-1	3	H	EX									- 1	
FOR LAB USE ONLY			Γ.	Г		M	ATRI	X		PR	ESE	RV.	SAMPL	ING		1	10										
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FORM-006 Revision 1.0

Received by OCD: 12/5/2024 1:25:42 PM

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

Page 21 of 22

Page 22 of 22

## E A

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name	: Etech Environmen			, inc	Ř.						BI	LL TO	n.					ANA	LYSI	SRI	EQUE	ST		
Project Manage	r. Tod lewon								P.O.	此						1					T			
Address: P.C									Com	par	ıy:			1										
City: Lovingto	on	State: NM	Zip	: 88	260				Attn:															
Phone #: (57	5) 396-2378	Fax #: (575) 3	96-1	429					Addr	ress	:			-										
Project #:		Project Owner					-		City:	7				-										
Project Name:	laha						-		State			Zip:			S.	18								
Project Locatio									Phor		h: (			문	301	802								
Sampler Name:	Mostin Sep	ilizola						-	Fax i					Chloride	TPH (8015M)	BTEX (8021B)								
FOR LAB USE ONLY	The street sign	Live Wi				M/	TRIX	_	_	_	ERV.	SAMPL	NG	1	F	18								
H235943			MP		oc																			
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Sampler - UPS	- Bus - Other:					Ye N		No.		24	A	_		2	4	hr	j	re	5					

FORM-006 Revision 1.0

Received by OCD: 12/5/2024 1:25:42 PM

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

Released to Imaging: 4/29/2025 9:18:52 AM



November 01, 2023

JOEL LOWRY
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: LOBO

Enclosed are the results of analyses for samples received by the laboratory on 10/31/23 16:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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.

Celey D. Keine

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. Keene

Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

гах

Received: 10/31/2023 Sampling Date: 10/31/2023

Reported: 11/01/2023 Sampling Type: Soil
Project Name: LOBO Sampling Condition: Cool

Project Name: LOBO Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Dionica Hinojos

Project Location: LOVINGTON, NM

#### Sample ID: FL # 24 @1 (H235973-01)

11/01/2023	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
	ND			•	5	Quaimei
11/01/2022	=	1.87	93.5	2.00	0.667	
11/01/2023	ND	1.98	98.9	2.00	1.08	
11/01/2023	ND	2.00	99.9	2.00	0.445	
11/01/2023	ND	5.96	99.4	6.00	0.776	
11/01/2023	ND					
5-134						
Analyze	d By: AC					
nit Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
11/01/2023	ND	416	104	400	3.77	
Analyze	d By: MS					S-04
nit Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
11/01/2023	ND	185	92.3	200	2.58	
11/01/2023	ND	159	79.5	200	7.56	
11/01/2023	ND					
2-134						
	11/01/2023 11/01/2023 11/01/2023 22-134	11/01/2023 ND 11/01/2023 ND 11/01/2023 ND	nit Analyzed Method Blank BS 11/01/2023 ND 185 11/01/2023 ND 159 11/01/2023 ND	nit Analyzed Method Blank BS % Recovery 11/01/2023 ND 185 92.3 11/01/2023 ND 159 79.5 11/01/2023 ND	nit Analyzed Method Blank BS % Recovery True Value QC  11/01/2023 ND 185 92.3 200  11/01/2023 ND 159 79.5 200  11/01/2023 ND	nit Analyzed Method Blank BS % Recovery True Value QC RPD  11/01/2023 ND 185 92.3 200 2.58  11/01/2023 ND 159 79.5 200 7.56  11/01/2023 ND

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

\*=Accredited Analyte



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 10/31/2023 Reported: 11/01/2023

Project Name: LOBO
Project Number: NONE GIVEN
Project Location: LOVINGTON, NM

Sampling Date: 10/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

#### Sample ID: FL # 14 (H235973-02)

BTEX 8021B	mg,	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2023	ND	1.87	93.5	2.00	0.667	
Toluene*	<0.050	0.050	11/01/2023	ND	1.98	98.9	2.00	1.08	
Ethylbenzene*	<0.050	0.050	11/01/2023	ND	2.00	99.9	2.00	0.445	
Total Xylenes*	0.223	0.150	11/01/2023	ND	5.96	99.4	6.00	0.776	
Total BTEX	<0.300	0.300	11/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7520	16.0	11/01/2023	ND	416	104	400	3.77	
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	11/01/2023	ND	185	92.3	200	2.58	
DRO >C10-C28*	75.8	10.0	11/01/2023	ND	159	79.5	200	7.56	
EXT DRO >C28-C36	53.9	10.0	11/01/2023	ND					
Surrogate: 1-Chlorooctane	91.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.7	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: 14

Received: 10/31/2023 Reported: 11/01/2023

Project Name: LOBO
Project Number: NONE GIVEN
Project Location: LOVINGTON, NM

ma/ka

Sampling Date: 10/31/2023

Sampling Type: Soil Sampling Condition: Cool

Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

#### Sample ID: FL # 17 (H235973-03)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2023	ND	1.87	93.5	2.00	0.667	
Toluene*	<0.050	0.050	11/01/2023	ND	1.98	98.9	2.00	1.08	
Ethylbenzene*	<0.050	0.050	11/01/2023	ND	2.00	99.9	2.00	0.445	
Total Xylenes*	0.161	0.150	11/01/2023	ND	5.96	99.4	6.00	0.776	
Total BTEX	<0.300	0.300	11/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8500	16.0	11/01/2023	ND	416	104	400	3.77	
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	11/01/2023	ND	185	92.3	200	2.58	
DRO >C10-C28*	43.8	10.0	11/01/2023	ND	159	79.5	200	7.56	
EXT DRO >C28-C36	<10.0	10.0	11/01/2023	ND					
Surrogate: 1-Chlorooctane	81.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.4	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/31/2023 Sampling Date: 10/31/2023

Reported: 11/01/2023 Sampling Type: Soil

Project Name: LOBO Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Dionica Hinojos

Analyzed By: 14

Project Location: LOVINGTON, NM

ma/ka

#### Sample ID: FL # 18 (H235973-04)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2023	ND	1.87	93.5	2.00	0.667	
Toluene*	<0.050	0.050	11/01/2023	ND	1.98	98.9	2.00	1.08	
Ethylbenzene*	<0.050	0.050	11/01/2023	ND	2.00	99.9	2.00	0.445	
Total Xylenes*	0.166	0.150	11/01/2023	ND	5.96	99.4	6.00	0.776	
Total BTEX	<0.300	0.300	11/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8130	16.0	11/01/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2023	ND	185	92.3	200	2.58	
DRO >C10-C28*	37.9	10.0	11/01/2023	ND	159	79.5	200	7.56	
EXT DRO >C28-C36	<10.0	10.0	11/01/2023	ND					
Surrogate: 1-Chlorooctane	83.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.3	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 10/31/2023 Reported: 11/01/2023

Project Name: LOBO Project Number: NONE GIVEN Project Location: LOVINGTON, NM Sampling Date: 10/31/2023 Soil

Sampling Type: Sampling Condition: Cool & Intact Sample Received By: Dionica Hinojos

#### Sample ID: FL # 19 (H235973-05)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2023	ND	1.87	93.5	2.00	0.667	
Toluene*	<0.050	0.050	11/01/2023	ND	1.98	98.9	2.00	1.08	
Ethylbenzene*	<0.050	0.050	11/01/2023	ND	2.00	99.9	2.00	0.445	
Total Xylenes*	<0.150	0.150	11/01/2023	ND	5.96	99.4	6.00	0.776	
Total BTEX	<0.300	0.300	11/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8660	16.0	11/01/2023	ND	416	104	400	3.77	
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	11/01/2023	ND	185	92.3	200	2.58	
DRO >C10-C28*	46.1	10.0	11/01/2023	ND	159	79.5	200	7.56	
EXT DRO >C28-C36	<10.0	10.0	11/01/2023	ND					
Surrogate: 1-Chlorooctane	81.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.6	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/31/2023 Sampling Date: 10/31/2023

Reported: 11/01/2023 Sampling Type: Soil

Project Name: LOBO Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Dionica Hinojos

Project Location: LOVINGTON, NM

#### Sample ID: FL # 20 (H235973-06)

BTEX 8021B	mg,	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	11/01/2023	ND	1.87	93.5	2.00	0.667	
Toluene*	16.5	1.00	11/01/2023	ND	1.98	98.9	2.00	1.08	
Ethylbenzene*	8.74	1.00	11/01/2023	ND	2.00	99.9	2.00	0.445	
Total Xylenes*	113	3.00	11/01/2023	ND	5.96	99.4	6.00	0.776	
Total BTEX	138	6.00	11/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	128	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6640	16.0	11/01/2023	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1690	10.0	11/01/2023	ND	185	92.3	200	2.58	
DRO >C10-C28*	4380	10.0	11/01/2023	ND	159	79.5	200	7.56	
EXT DRO >C28-C36	1110	10.0	11/01/2023	ND					
Surrogate: 1-Chlorooctane	154	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	191	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/31/2023 Sampling Date: 10/31/2023 Reported: 11/01/2023 Sampling Type: Soil

Project Name: LOBO Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Dionica Hinojos

Project Location: LOVINGTON, NM

#### Sample ID: FL # 21 (H235973-07)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	11/01/2023	ND	1.87	93.5	2.00	0.667	
Toluene*	13.1	1.00	11/01/2023	ND	1.98	98.9	2.00	1.08	
Ethylbenzene*	6.87	1.00	11/01/2023	ND	2.00	99.9	2.00	0.445	
Total Xylenes*	93.5	3.00	11/01/2023	ND	5.96	99.4	6.00	0.776	
Total BTEX	113	6.00	11/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	127	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6560	16.0	11/01/2023	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1300	10.0	11/01/2023	ND	185	92.3	200	2.58	
DRO >C10-C28*	3870	10.0	11/01/2023	ND	159	79.5	200	7.56	
EXT DRO >C28-C36	1050	10.0	11/01/2023	ND					
Surrogate: 1-Chlorooctane	138	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	177	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/31/2023 Sampling Date: 10/31/2023

Reported: 11/01/2023 Sampling Type: Soil

Project Name: LOBO Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Dionica Hinojos

Project Location: LOVINGTON, NM

#### Sample ID: FL # 25 (H235973-08)

BTEX 8021B	mg	/kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	11/01/2023	ND	1.87	93.5	2.00	0.667	
Toluene*	5.60	0.100	11/01/2023	ND	1.98	98.9	2.00	1.08	
Ethylbenzene*	3.79	0.100	11/01/2023	ND	2.00	99.9	2.00	0.445	
Total Xylenes*	39.9	0.300	11/01/2023	ND	5.96	99.4	6.00	0.776	
Total BTEX	49.3	0.600	11/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	195	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7760	16.0	11/01/2023	ND	416	104	400	7.41	
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*	836	10.0	11/01/2023	ND	185	92.3	200	2.58	
DRO >C10-C28*	2940	10.0	11/01/2023	ND	159	79.5	200	7.56	
EXT DRO >C28-C36	868	10.0	11/01/2023	ND					
Surrogate: 1-Chlorooctane	111	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	136	% 49.1-14	18						

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Celey D. Keine



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 10/31/2023 Reported: 11/01/2023

Project Name: LOBO Project Number: NONE GIVEN

Project Location: LOVINGTON, NM Sampling Date: 10/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Dionica Hinojos

#### Sample ID: FL # 26 (H235973-09)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2023	ND	1.87	93.5	2.00	0.667	
Toluene*	0.100	0.050	11/01/2023	ND	1.98	98.9	2.00	1.08	
Ethylbenzene*	0.116	0.050	11/01/2023	ND	2.00	99.9	2.00	0.445	
Total Xylenes*	1.65	0.150	11/01/2023	ND	5.96	99.4	6.00	0.776	
Total BTEX	1.87	0.300	11/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	145	% 71.5-13	14						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10800	16.0	11/01/2023	ND	416	104	400	7.41	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	60.8	10.0	11/01/2023	ND	185	92.3	200	2.58	
DRO >C10-C28*	789	10.0	11/01/2023	ND	159	79.5	200	7.56	
EXT DRO >C28-C36	232	10.0	11/01/2023	ND					
Surrogate: 1-Chlorooctane	82.7	% 48.2-13	14						
Surrogate: 1-Chlorooctadecane	84.2	% 49.1-14	18						

#### Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 10/31/2023 Reported: 11/01/2023

Project Name: LOBO
Project Number: NONE GIVEN
Project Location: LOVINGTON, NM

Sampling Date: 10/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

#### Sample ID: FL # 27 (H235973-10)

Analyte         Result Reporting Limit         Analyzed Method Blank BS         % Recovery True Value QC         RPD           Benzene*         <0.050         0.050         11/01/2023         ND         2.01         101         2.00         2.73           Toluene*         0.317         0.050         11/01/2023         ND         2.06         103         2.00         5.24           Ethylbenzene*         0.142         0.050         11/01/2023         ND         6.69         112         6.00         7.74           Total Xylenes*         2.45         0.150         11/01/2023         ND         6.69         112         6.00         7.74           Currogate: 4-Bromofluorobenzene (PID         137 %         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         <	BTEX 8021B	mg	/kg	Analyze	d By: JH					S-04
Toluene*         0.317         0.050         11/01/2023         ND         2.06         103         2.00         5.24           Ethylbenzene*         0.142         0.050         11/01/2023         ND         2.22         111         2.00         6.71           Total Xylenes*         2.45         0.150         11/01/2023         ND         6.69         112         6.00         7.74           Surrogate: 4-Bromofluorobenzene (PID         137 %         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         <	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Ethylbenzene*         0.142         0.050         11/01/2023         ND         2.22         111         2.00         6.71           Total Xylenes*         2.45         0.150         11/01/2023         ND         6.69         112         6.00         7.74           Total BTEX         2.90         0.300         11/01/2023         ND         6.69         112         6.00         7.74           Surrogate: 4-Bromofluorobenzene (PID         137 %         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134         71.5-134 </td <td>Benzene*</td> <td>&lt;0.050</td> <td>0.050</td> <td>11/01/2023</td> <td>ND</td> <td>2.01</td> <td>101</td> <td>2.00</td> <td>2.73</td> <td></td>	Benzene*	<0.050	0.050	11/01/2023	ND	2.01	101	2.00	2.73	
Total Xylenes*         2.45         0.150         11/01/2023         ND         6.69         112         6.00         7.74           Total BTEX         2.90         0.300         11/01/2023         ND         6.69         112         6.00         7.74           Surrogate: 4-Bromofluorobenzene (PID         137 %         71.5-134         Analyzed By: AC           Chloride, SM4500Cl-B         mg/kg         Analyzed Method Blank         BS         % Recovery         True Value QC         RPD           Chloride         10100         16.0         11/01/2023         ND         416         104         400         7.41           TPH 8015M         mg/kg         Analyzed Bern by: MS           Analyte         Result         Reporting Limit         Analyzed Method Blank         BS         % Recovery         True Value QC         RPD           GRO C6-C10*         60.1         10.0         11/01/2023         ND         185         92.3         200         2.58           DRO >C10-C28*         736         10.0         11/01/2023         ND         159         79.5         200         7.56           EXT DRO >C28-C36         191         10.0         11/01/2023	Toluene*	0.317	0.050	11/01/2023	ND	2.06	103	2.00	5.24	
Total BTEX         2.90         0.300         11/01/2023         ND           Surrogate: 4-Bromofluorobenzene (PID         137 % 71.5-134           Chloride, SM4500Cl-B         mg/ky         Analyzed By: AC           Chloride         10100         16.0         11/01/2023         ND         416         104         400         7.41           TPH 8015M         mg/ky         Analyzed By: MS           Analyte         Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           GRO C6-C10*         60.1         10.0         11/01/2023         ND         185         92.3         200         2.58           DRO >C10-C28*         736         10.0         11/01/2023         ND         159         79.5         200         7.56           EXT DRO >C28-C36         191         10.0         11/01/2023         ND         159         79.5         200         7.56           EXT DRO >C10-C28*         83.2 %         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134 <t< td=""><td>Ethylbenzene*</td><td>0.142</td><td>0.050</td><td>11/01/2023</td><td>ND</td><td>2.22</td><td>111</td><td>2.00</td><td>6.71</td><td></td></t<>	Ethylbenzene*	0.142	0.050	11/01/2023	ND	2.22	111	2.00	6.71	
Surrogate: 4-Bromofluorobenzene (PID         137 %         71.5-134           Chloride, SM4500Cl-B         mg/ky         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           Chloride         10100         16.0         11/01/2023         ND         416         104         400         7.41           TPH 8015M         mg/ky         Analyzed By: MS           Analyte         Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           GRO C6-C10*         60.1         10.0         11/01/2023         ND         185         92.3         200         2.58           DRO >C10-C28*         736         10.0         11/01/2023         ND         159         79.5         200         7.56           EXT DRO >C28-C36         191         10.0         11/01/2023         ND         159         79.5         200         7.56           EXT DRO >C10-C28*         83.2 %         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134	Total Xylenes*	2.45	0.150	11/01/2023	ND	6.69	112	6.00	7.74	
Chloride, SM4500Cl-B         mg/kg         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           Chloride         10100         16.0         11/01/2023         ND         416         104         400         7.41           TPH 8015M         mg/kg         Analyzed By: MS         W         NB         % Recovery         True Value QC         RPD           Analyte         Result         Reporting Limit         Analyzed Method Blank         BS         % Recovery         True Value QC         RPD           GRO C6-C10*         60.1         10.0         11/01/2023         ND         185         92.3         200         2.58           DRO >C10-C28*         736         10.0         11/01/2023         ND         159         79.5         200         7.56           EXT DRO >C28-C36         191         10.0         11/01/2023         ND         ND         159         79.5         200         7.56	Total BTEX	2.90	0.300	11/01/2023	ND					
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD  Chloride 10100 16.0 11/01/2023 ND 416 104 400 7.41  TPH 8015M mg/ky Analyzed By: MS  Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD  GRO C6-C10* 60.1 10.0 11/01/2023 ND 185 92.3 200 2.58  DRO >C10-C28* 736 10.0 11/01/2023 ND 159 79.5 200 7.56  EXT DRO >C28-C36 191 10.0 11/01/2023 ND  Surrogate: 1-Chlorooctane 83.2 % 48.2-134	Surrogate: 4-Bromofluorobenzene (PID	137	% 71.5-13	4						
Chloride         10100         16.0         11/01/2023         ND         416         104         400         7.41           TPH 8015M         mg/kg         Analyzed By: MS           Analyte         Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           GRO C6-C10*         60.1         10.0         11/01/2023         ND         185         92.3         200         2.58           DRO >C10-C28*         736         10.0         11/01/2023         ND         159         79.5         200         7.56           EXT DRO >C28-C36         191         10.0         11/01/2023         ND         ND         159         79.5         200         7.56	Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
TPH 8015M         mg/kg         Analyzed By: MS           Analyte         Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           GRO C6-C10*         60.1         10.0         11/01/2023         ND         185         92.3         200         2.58           DRO >C10-C28*         736         10.0         11/01/2023         ND         159         79.5         200         7.56           EXT DRO >C28-C36         191         10.0         11/01/2023         ND         ND         159         79.5         200         7.56           Surrogate: 1-Chlorooctane         83.2 %         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD  GRO C6-C10* 60.1 10.0 11/01/2023 ND 185 92.3 200 2.58  DRO >C10-C28* 736 10.0 11/01/2023 ND 159 79.5 200 7.56  EXT DRO >C28-C36 191 10.0 11/01/2023 ND  Surrogate: 1-Chlorooctane 83.2 % 48.2-134	Chloride	10100	16.0	11/01/2023	ND	416	104	400	7.41	
GRO C6-C10*         60.1         10.0         11/01/2023         ND         185         92.3         200         2.58           DRO >C10-C28*         736         10.0         11/01/2023         ND         159         79.5         200         7.56           EXT DRO >C28-C36         191         10.0         11/01/2023         ND   Surrogate: 1-Chlorooctane  83.2 % 48.2-134	TPH 8015M	mg,	/kg	Analyze	d By: MS					
DRO >C10-C28*         736         10.0         11/01/2023         ND         159         79.5         200         7.56           EXT DRO >C28-C36         191         10.0         11/01/2023         ND   Surrogate: 1-Chlorooctane  83.2 %  48.2-134	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
EXT DRO > C28-C36 191 10.0 11/01/2023 ND  Surrogate: 1-Chlorooctane 83.2 % 48.2-134	GRO C6-C10*	60.1	10.0	11/01/2023	ND	185	92.3	200	2.58	
Surrogate: 1-Chlorooctane 83.2 % 48.2-134	DRO >C10-C28*	736	10.0	11/01/2023	ND	159	79.5	200	7.56	
	EXT DRO >C28-C36	191	10.0	11/01/2023	ND					
Surrogate: 1-Chlorooctadecane 84.3 % 49.1-148	Surrogate: 1-Chlorooctane	83.2	% 48.2-13	4						
	Surrogate: 1-Chlorooctadecane	84.3	% 49.1-14	8						

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\*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### **Notes and Definitions**

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

ecovery.

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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Celeg D. Freene

Page 13 of 13

## ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 8824

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East	Mariand,	Hobbs,	MM	8824
(575) 3	93-2326	FAX (575	5) 39	3-247

Company Name	Etech Environment	al & Safety Solut	ions	Inc.							BI	LL TO						AN	ALYS	SIS	REQU	JEST	-		
Project Manage	: Tarl lawn	/							P.O.	#:						1			T	T				T	T
Address: P.O									com	pan	ıy:														
City: Lovingto	n	State: NM	Zip:	882	60				Attn:																
Phone #: (575	i) 396-2378	Fax #: (575) 3	96-1	429					Addr	ess	:														
Project #:		Project Owner	r:						City:	-															
Project Name:	Laba								State			Zip:		0	SM)	0									
Project Location	1:								Phor	ie #	:			Chloride	TPH (8015M)	(0) (0) YET	2								
Sampler Name:	Mertin Sep	miliante							Fax	<b>#</b> :			-1	흥	I	>	5								
FOR LAB USE ONLY	Town Till To	TWO IS THE				MA	TRI	_			ERV.	SAMPL	ING		무	F	5								
H235973 Lab I.D.	Sample I	.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE	OTHER:	ICE / COOL	OTHER:	DATE	TIME		And the second s										
	(1#2401					1/				1		10-31-23	3,00	1	/	1	1								
2	FL#14									1				1	1	li									
3	FL# 17										A														
9	F1#18					1								11	1										
5	F1#19				_	1			-	$\parallel$				11_		1									
6	S-L# 20		_			1	-		-	$\parallel$				1		+	1								
7	FL# 21			$\square$		1	-		1	1				11	1	-	1								
8	F1# 25			$\vdash$		+	+		-	1	-			11	1	1	11	-	-	-		-			
10	F1#24		+	$\vdash$	-	-1	/	-	-	1	-		-	1	1	+	11	-	-	+-	-	-	-		
DI EASE NOTE: Liability a	nd Darnages, Cardinal's liability and cli	ent's exclusive remedy for a	any clair	n arisin	g whethe	er base	d in co	antract o	r tort, si	nall be	limited	to the amount pa	id by the client fo	the	1	1.	1								
analyses. All claims includi	ng those for negligence and any other ardinal be liable for incidental or conse	cause whatsoever shall be	deeme	d waive	d unless	made	ân writ	ing and	receive	i by C	ardinal v	within 30 days aft	er completion of t	he applica	ible										
affiliates or successors arisi	ng out of or related to the performance	of services hereunder by	Cardina	i, regan	ed B	whethe	r such	claim is	based	upon a	any of th	above stated r	Phone Re	20,	OY	oe.	□ No	Add	d'I Phor	10 H					
Relinquished B		Date: 10-31-23 Time: 1-30	d	21	A	1		~	_				Fax Resu REMARK	it:	O Y		□ No		d'I Fax #						
Relinquished B		Date: 10-31-23 Time: 16:45		ceiv	ed B								Please e	mail r	esult	ts to	pm@	etech(	env.co	ım.					
	: (Circle One) - Bus - Other:	4.60			Co	Tye	inta	rdition of the second of the s		CI		(ED BY: tials)		24							4				

FORM-006 Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



November 01, 2023

JOEL LOWRY
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: LOBO

Enclosed are the results of analyses for samples received by the laboratory on 11/01/23 9:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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.

Celey D. Keine

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. Keene

Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 11/01/2023 Sampling Date: 11/01/2023

Reported: 11/01/2023 Sampling Type: Soil

Project Name: LOBO Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

A ... - I. ... - - I D. ... 311 /

Project Location: LOVINGTON, NM

#### Sample ID: FL 28 @1 (H235982-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	11/01/2023	ND	1.87	93.5	2.00	0.667	
Toluene*	2.01	0.100	11/01/2023	ND	1.98	98.9	2.00	1.08	
Ethylbenzene*	2.03	0.100	11/01/2023	ND	2.00	99.9	2.00	0.445	
Total Xylenes*	44.0	0.300	11/01/2023	ND	5.96	99.4	6.00	0.776	
Total BTEX	48.1	0.600	11/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	146	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3680	16.0	11/01/2023	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*	1060	10.0	11/01/2023	ND	184	92.0	200	1.92	
DRO >C10-C28*	4550	10.0	11/01/2023	ND	194	96.9	200	0.387	
EXT DRO >C28-C36	965	10.0	11/01/2023	ND					
Surrogate: 1-Chlorooctane	118	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.1	% 49.1-14	8						

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Celey & Keene

S-04



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

11/01/2023

Soil

#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 11/01/2023 Sampling Date:

Reported: 11/01/2023 Sampling Type:

Project Name: LOBO Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: LOVINGTON, NM

ma/ka

#### Sample ID: FL 29 @1 (H235982-02)

RTFY 8021R

B1EX 8021B	mg	/кд	Analyze	а ву: ЈН					5-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	11/01/2023	ND	1.87	93.5	2.00	0.667	
Toluene*	2.55	0.100	11/01/2023	ND	1.98	98.9	2.00	1.08	
Ethylbenzene*	2.47	0.100	11/01/2023	ND	2.00	99.9	2.00	0.445	
Total Xylenes*	46.9	0.300	11/01/2023	ND	5.96	99.4	6.00	0.776	
Total BTEX	51.9	0.600	11/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	331	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3840	16.0	11/01/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	944	10.0	11/01/2023	ND	184	92.0	200	1.92	
DRO >C10-C28*	4090	10.0	11/01/2023	ND	194	96.9	200	0.387	
EXT DRO >C28-C36	841	10.0	11/01/2023	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.8	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 11/01/2023 Sampling Date: 11/01/2023

Reported: 11/01/2023 Sampling Type: Soil
Project Name: LOBO Sampling Condition: Cool & Intact

Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez
Project Location: LOVINGTON, NM

#### Sample ID: FL 30 @1 (H235982-03)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2023	ND	1.87	93.5	2.00	0.667	
Toluene*	0.079	0.050	11/01/2023	ND	1.98	98.9	2.00	1.08	
Ethylbenzene*	0.084	0.050	11/01/2023	ND	2.00	99.9	2.00	0.445	
Total Xylenes*	1.14	0.150	11/01/2023	ND	5.96	99.4	6.00	0.776	
Total BTEX	1.30	0.300	11/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	123	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9800	16.0	11/01/2023	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*	18.2	10.0	11/01/2023	ND	184	92.0	200	1.92	
DRO >C10-C28*	362	10.0	11/01/2023	ND	194	96.9	200	0.387	
EXT DRO >C28-C36	97.7	10.0	11/01/2023	ND					
Surrogate: 1-Chlorooctane	77.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.0	% 49.1-14	8						

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

 Received:
 11/01/2023

 Reported:
 11/01/2023

 Sampling Date:
 11/01/2023

 Sampling Type:
 Soil

Project Name: LOBO Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Analyzed By: 14

Project Location: LOVINGTON, NM

ma/ka

#### Sample ID: FL 31 @1 (H235982-04)

RTFY 8021R

B1EX 8021B	mg	/кд	Analyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2023	ND	1.87	93.5	2.00	0.667	
Toluene*	0.074	0.050	11/01/2023	ND	1.98	98.9	2.00	1.08	
Ethylbenzene*	0.087	0.050	11/01/2023	ND	2.00	99.9	2.00	0.445	
Total Xylenes*	1.08	0.150	11/01/2023	ND	5.96	99.4	6.00	0.776	
Total BTEX	1.24	0.300	11/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	122	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10400	16.0	11/01/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	23.2	10.0	11/01/2023	ND	184	92.0	200	1.92	
DRO >C10-C28*	462	10.0	11/01/2023	ND	194	96.9	200	0.387	
EXT DRO >C28-C36	117	10.0	11/01/2023	ND					
Surrogate: 1-Chlorooctane	79.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.4	% 49.1-14	8						

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 11/01/2023 Reported: 11/01/2023

Project Name: LOBO
Project Number: NONE GIVEN
Project Location: LOVINGTON, NM

Sampling Date: 11/01/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

#### Sample ID: FL 47 @1 (H235982-05)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2023	ND	1.87	93.5	2.00	0.667	
Toluene*	<0.050	0.050	11/01/2023	ND	1.98	98.9	2.00	1.08	
Ethylbenzene*	<0.050	0.050	11/01/2023	ND	2.00	99.9	2.00	0.445	
Total Xylenes*	<0.150	0.150	11/01/2023	ND	5.96	99.4	6.00	0.776	
Total BTEX	<0.300	0.300	11/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2680	16.0	11/01/2023	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	11/01/2023	ND	184	92.0	200	1.92	
DRO >C10-C28*	<10.0	10.0	11/01/2023	ND	194	96.9	200	0.387	
EXT DRO >C28-C36	<10.0	10.0	11/01/2023	ND					
Surrogate: 1-Chlorooctane	75.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.8	% 49.1-14	8						

#### Cardinal Laboratories \*=Accredited Analyte

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#### **Notes and Definitions**

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

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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# OF.

### ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND	ANALYSIS	REQUEST
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Company Name	e: Etech Environmental & Safet	y Solution:	s, Inc	C.						BI	LL TO						AN	ALYS	SIS	REQ	UEST	-		
Project Manage	or Jost lawry	Å.					P	.0.	Ŀ							1	1		T	T	T			T
Address: P.C							c	omp	any	/: <sup>8</sup>														
City: Lovingto	on State: I	NM Zip	: 88	260			A	ttn:										1						
Phone #: (57	5) 396-2378 Fax #: (	(575) 396-	1429	)			A	ddre	88:							1								
Project #:	Project	Owner:					C	ity:																
Project Name:	Labo							tate:			Zip:			₩S.	18									
Project Location							P	hone	#:		-	111	Chloride	<b>IPH (8015M)</b>	BTEX (8021B)									
Sampler Name:	Martin Sepulca	da	-			-	-	ax #:					1 ×	H	EX			1						
FOR LAB USE ONLY	THAT I'M SEMANI	1	T		MA	TRIX	_	_	ESE	RV.	SAMPLI	NG	1	5	BTI									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME												
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affiliates or successors arisi	ing out of or related to the performance of services here	under by Cardin	d, rega		hether								80.	□ Ye	-	] No	IA-FE	1 Phon	- 4.					
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Sampler - UPS	- Bus - Other:	#1.4		1	Yes	E	85	(	5	1	_													
Sampler - UPS	- Bus - Other:	#1.4		Co	oi Yes		88																	

FORM-006 Revision 1.0

Received by QCD: 12/5/2024 1:25:42 PM

Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



November 02, 2023

JOEL LOWRY
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: LOBO 285 FRAC TANK OVERFLOW

Enclosed are the results of analyses for samples received by the laboratory on 11/01/23 15:34.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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.

Wite Sough

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,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 11/01/2023 Sampling Date: 11/01/2023

Reported: 11/02/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: Sample Received By: Tamara Oldaker

Applyand By 1H /

Project Location: SOLARIS - EDDY CO., NM

#### Sample ID: SW - 8B (H236001-01)

DTEV 0021D

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	11/01/2023	ND	1.86	92.9	2.00	3.04	
Toluene*	6.85	1.00	11/01/2023	ND	1.97	98.6	2.00	1.81	
Ethylbenzene*	5.11	1.00	11/01/2023	ND	1.99	99.6	2.00	1.94	
Total Xylenes*	80.1	3.00	11/01/2023	ND	6.02	100	6.00	2.07	
Total BTEX	92.1	6.00	11/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	122	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3160	16.0	11/02/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2620	10.0	11/02/2023	ND	198	99.0	200	7.07	
DRO >C10-C28*	8600	10.0	11/02/2023	ND	207	103	200	3.45	
EXT DRO >C28-C36	1840	10.0	11/02/2023	ND					
Surrogate: 1-Chlorooctane	353	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	181	% 49.1-14	8						

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 11/01/2023 Reported: 11/02/2023 Sampling Date: 11/01/2023 Sampling Type: Soil

Project Name:

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

LOBO 285 FRAC TANK OVERFLOW Project Number: 16409

Project Location: SOLARIS - EDDY CO., NM

#### Sample ID: SW - 9B (H236001-02)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	11/01/2023	ND	1.86	92.9	2.00	3.04	
Toluene*	9.00	1.00	11/01/2023	ND	1.97	98.6	2.00	1.81	
Ethylbenzene*	6.26	1.00	11/01/2023	ND	1.99	99.6	2.00	1.94	
Total Xylenes*	97.8	3.00	11/01/2023	ND	6.02	100	6.00	2.07	
Total BTEX	113	6.00	11/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	126	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3040	16.0	11/02/2023	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2910	50.0	11/02/2023	ND	198	99.0	200	7.07	
DRO >C10-C28*	7500	50.0	11/02/2023	ND	207	103	200	3.45	
EXT DRO >C28-C36	1750	50.0	11/02/2023	ND					
Surrogate: 1-Chlorooctane	285	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	237	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

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#### **Notes and Definitions**

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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 SM4500CI-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

Cardinal Laboratories \*=Accredited Analyte

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## ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

	CI	HA	IN-	OF.	-CI	JST	<b>LODA</b>	AND	ANAL	YSIS.	REQU	EST
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Company Name	e: Etech Environmental & Safety Solut	ions	, Inc						8	<u>//</u> L	L TO						ANA	LYSI	S RE	QUE	ST			
Project Manage	r: Joel Lowry						P	.0.1	#:				1	0										
Address: 261	7 West Marland						C	omp	oany		Solar	is		7										
City: Hobbs	State: NM	Zip	: 88	240			A	ttn:		T	Rob Kirl		1											
Phone #: (57	5) 264-9884 Fax #:						A	ddre	ess:															
Project #: 164	109 Project Owner	:	So	laris			c	ity:			1"		1											
	Lobo 285 Frac Tank Overflow							-	: NM	Z	ip:		0	NS NS	BTEX (8021B)	1								
	n: Rural Eddy							hon					Chloride	TPH (8015M)	805									
	Dominic Casarez						- 1	ax #			1	11	픙	I	X									
FOR LAB USE ONLY					MA	TRIX		_	RESER	V.	SAMPLI	NG		1	B									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	4											
1	SW-8B	С	1		X			T	X	_	11/1/23		Х	X	X									
2	SW-9B	0	1		X				X		11/1/23		X	X	X									
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nalyses. All claims includ	Tre Time 34	without ardina	d waiw at limit i, rega cel	ed unless ation, but	made in the man in the	n writing terruption	and re	ceived of use,	by Cardina , or loss of	al with f profil	nin 30 days after the incurred by calcove stated re	r completion of the set of the subsidiary as one of the relation of the set o	se application, se. sult:	AM	PLE		Add'I							
	: (Circle One) - Bus - Other: -4.6 c			C	ool Yes	Intac	Yes	N .		CKE	D BY:	Please e	79	pesults 24			of CoC	to p	m@ei	eche	nv.com	n.		

FORM-006 Revision 1.0

Received by OCD: 12/5/2024 1:25:42 PM

Page 5 of 5

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



November 03, 2023

JOEL LOWRY
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: LOBO

Enclosed are the results of analyses for samples received by the laboratory on 11/02/23 16:16.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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.

Wite Sough

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,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 11/02/2023 Reported: 11/03/2023

Project Name: LOBO
Project Number: NONE GIVEN

Project Location: LOVINGTON, NM

Sampling Date: 11/02/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: FL # 20 (H236042-01)

BTEX 8021B	mg,	r ky	Allalyze	d By: JH/					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2023	ND	1.95	97.6	2.00	2.06	
Toluene*	0.883	0.050	11/03/2023	ND	2.09	105	2.00	2.63	
Ethylbenzene*	1.18	0.050	11/03/2023	ND	2.10	105	2.00	2.94	
Total Xylenes*	13.2	0.150	11/03/2023	ND	6.36	106	6.00	2.60	
Total BTEX	15.3	0.300	11/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	142	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1550	16.0	11/03/2023	ND	432	108	400	3.64	
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*	425	10.0	11/03/2023	ND	208	104	200	2.77	
DRO >C10-C28*	2660	10.0	11/03/2023	ND	212	106	200	3.68	
EXT DRO >C28-C36	601	10.0	11/03/2023	ND					
Surrogate: 1-Chlorooctane	134	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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S-04



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

#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 11/02/2023 Sampling Date: 11/02/2023

Reported: 11/03/2023 Sampling Type: Soil

Project Name: LOBO Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: LOVINGTON, NM

ma/ka

#### Sample ID: FL # 21 (H236042-02)

RTFY 8021R

B1EX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH/					5-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/03/2023	ND	1.95	97.6	2.00	2.06	
Toluene*	6.58	0.500	11/03/2023	ND	2.09	105	2.00	2.63	
Ethylbenzene*	5.84	0.500	11/03/2023	ND	2.10	105	2.00	2.94	
Total Xylenes*	63.1	1.50	11/03/2023	ND	6.36	106	6.00	2.60	
Total BTEX	75.8	3.00	3.00 11/03/2023						
Surrogate: 4-Bromofluorobenzene (PID	144	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	11/03/2023	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2070	10.0	11/03/2023	ND	208	104	200	2.77	
DRO >C10-C28*	5950	10.0	11/03/2023	ND	212	106	200	3.68	
EXT DRO >C28-C36	1260	10.0	11/03/2023	ND					
Surrogate: 1-Chlorooctane	190	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	135	% 49.1-14	8						

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 11/02/2023 Reported: 11/03/2023

Project Name: LOBO
Project Number: NONE GIVEN
Project Location: LOVINGTON, NM

Sampling Date: 11/02/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: FL 24 (H236042-03)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2023	ND	1.95	97.6	2.00	2.06	
Toluene*	0.234	0.050	11/03/2023	ND	2.09	105	2.00	2.63	
Ethylbenzene*	0.433	0.050	11/03/2023	ND	2.10	105	2.00	2.94	
Total Xylenes*	5.36	0.150	11/03/2023	ND	6.36	106	6.00	2.60	
Total BTEX	6.02	0.300	11/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	131	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	11/03/2023	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	131	10.0	11/03/2023	ND	208	104	200	2.77	
DRO >C10-C28*	956	10.0	11/03/2023	ND	212	106	200	3.68	
EXT DRO >C28-C36	<b>217</b> 10.0		11/03/2023	ND					
Surrogate: 1-Chlorooctane	120	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	8						

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 11/02/2023 Sampling Date: 11/02/2023

Reported: 11/03/2023 Sampling Type: Soil

Project Name: LOBO Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

LOVINGTON, NM Project Location:

#### Sample ID: FL 25 (H236042-04)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/03/2023	ND	1.95	97.6	2.00	2.06	
Toluene*	7.81	0.500	11/03/2023	ND	2.09	105	2.00	2.63	
Ethylbenzene*	6.75	0.500	11/03/2023	ND	2.10	105	2.00	2.94	
Total Xylenes*	71.9	1.50	11/03/2023	ND	6.36	106	6.00	2.60	
Total BTEX	<b>86.8</b> 3.00		11/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	131 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	d By: AC					
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2080	16.0	11/03/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2460	10.0	11/03/2023	ND	208	104	200	2.77	
DRO >C10-C28*	6700	10.0	11/03/2023	ND	212	106	200	3.68	
EXT DRO >C28-C36	1390	10.0	11/03/2023	ND					
Surrogate: 1-Chlorooctane	201 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	137 9	% 49.1-14	8						

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

#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 11/02/2023 Sampling Date: 11/02/2023

Reported: 11/03/2023 Sampling Type: Soil

Project Name: LOBO Sampling Condition: Cool & Intact Tamara Oldaker Project Number: NONE GIVEN Sample Received By:

Project Location: LOVINGTON, NM

#### Sample ID: FL 28 (H236042-05)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/03/2023	ND	1.95	97.6	2.00	2.06	
Toluene*	7.64	0.500	11/03/2023	ND	2.09	105	2.00	2.63	
Ethylbenzene*	6.89	0.500	11/03/2023	ND	2.10	105	2.00	2.94	
Total Xylenes*	71.8	1.50	11/03/2023	ND	6.36	106	6.00	2.60	
Total BTEX	86.5	3.00	11/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	141 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	11/03/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1520	10.0	11/03/2023	ND	203	102	200	2.17	
DRO >C10-C28*	3670	10.0	11/03/2023	ND	174	87.1	200	1.83	
EXT DRO >C28-C36	777	10.0	11/03/2023	ND					
Surrogate: 1-Chlorooctane	206 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	174 9	% 49.1-14	8						

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 11/02/2023 Reported:

11/03/2023

Project Name: LOBO Project Number: NONE GIVEN Project Location: LOVINGTON, NM Sampling Date: 11/02/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

#### Sample ID: FL 29 (H236042-06)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/03/2023	ND	1.95	97.6	2.00	2.06	
Toluene*	3.39	0.500	11/03/2023	ND	2.09	105	2.00	2.63	
Ethylbenzene*	2.27	0.500	11/03/2023	ND	2.10	105	2.00	2.94	
Total Xylenes*	35.7	1.50	11/03/2023	ND	6.36	106	6.00	2.60	
Total BTEX	41.6	3.00	11/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	11/03/2023	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	586	10.0	11/03/2023	ND	203	102	200	2.17	
DRO >C10-C28*	1580	10.0	11/03/2023	ND	174	87.1	200	1.83	
EXT DRO >C28-C36	<b>363</b> 10.0		11/03/2023	ND					
Surrogate: 1-Chlorooctane	163	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	130	% 49.1-14	8						

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 11/02/2023 Sampling Date: 11/02/2023

Reported: 11/03/2023 Sampling Type: Soil

Project Name: LOBO Sampling Condition: Cool & Intact Project Number: Sample Received By: NONE GIVEN Tamara Oldaker

LOVINGTON, NM Project Location:

#### Sample ID: FL 32 (H236042-07)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.606	0.500	11/03/2023	ND	1.95	97.6	2.00	2.06	GC-NC1
Toluene*	13.0	0.500	11/03/2023	ND	2.09	105	2.00	2.63	
Ethylbenzene*	10.3	0.500	11/03/2023	ND	2.10	105	2.00	2.94	
Total Xylenes*	114	1.50	11/03/2023	ND	6.36	106	6.00	2.60	
Total BTEX	<b>138</b> 3.00		11/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	132	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	11/03/2023	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2200	10.0	11/03/2023	ND	203	102	200	2.17	
DRO >C10-C28*	5640	10.0	11/03/2023	ND	174	87.1	200	1.83	
EXT DRO >C28-C36	1070	10.0	11/03/2023	ND					
Surrogate: 1-Chlorooctane	264	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	229	% 49.1-14	8						

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: 1H /

Received: 11/02/2023 Reported:

11/03/2023

ma/ka

Project Name: LOBO Project Number: NONE GIVEN LOVINGTON, NM Project Location:

Sampling Date: 11/02/2023

Sampling Type: Soil Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: FL 33 (H236042-08)

RTFY 8021R

B1EX 8021B	mg	кд	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2023	ND	1.95	97.6	2.00	2.06	
Toluene*	0.518	0.050	11/03/2023	ND	2.09	105	2.00	2.63	
Ethylbenzene*	0.301	0.050	11/03/2023	ND	2.10	105	2.00	2.94	
Total Xylenes*	7.44	0.150	11/03/2023	ND	6.36	106	6.00	2.60	
Total BTEX	8.28	0.300	11/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	132	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	11/03/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	158	10.0	11/03/2023	ND	203	102	200	2.17	
DRO >C10-C28*	1080	10.0	11/03/2023	ND	174	87.1	200	1.83	
EXT DRO >C28-C36	247	10.0	11/03/2023	ND					
Surrogate: 1-Chlorooctane	127	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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with Sigh



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 11/02/2023 Reported:

11/03/2023

Project Name: LOBO Project Number: NONE GIVEN LOVINGTON, NM Project Location:

Sampling Date: 11/02/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Tamara Oldaker Sample Received By:

#### Sample ID: FL 34 (H236042-09)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2023	ND	1.95	97.6	2.00	2.06	
Toluene*	0.200	0.050	11/03/2023	ND	2.09	105	2.00	2.63	
Ethylbenzene*	0.188	0.050	11/03/2023	ND	2.10	105	2.00	2.94	
Total Xylenes*	4.60	0.150	11/03/2023	ND	6.36	106	6.00	2.60	
Total BTEX	<b>4.99</b> 0.300		11/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	132 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result Reporting Limit		Analyzed Method Blank		BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3080	16.0	11/03/2023	ND	432	108	400	3.64	
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*	182	10.0	11/03/2023	ND	203	102	200	2.17	
DRO >C10-C28*	1180	10.0	11/03/2023	ND	174	87.1	200	1.83	
EXT DRO >C28-C36	<b>268</b> 10.0		11/03/2023	ND					
Surrogate: 1-Chlorooctane	114 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119 9	% 49.1-14	8						

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 11/02/2023 Reported: 11/03/2023

11/03/2023 LOBO

Project Name: LOBO
Project Number: NONE GIVEN
Project Location: LOVINGTON, NM

Sampling Date: 11/02/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: EW - 6 (H236042-10)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/03/2023	ND	1.95	97.6	2.00	2.06	
Toluene*	3.94	0.500	11/03/2023	ND	2.09	105	2.00	2.63	
Ethylbenzene*	2.60	0.500	11/03/2023	ND	2.10	105	2.00	2.94	
Total Xylenes*	41.0	1.50	11/03/2023	ND	6.36	106	6.00	2.60	
Total BTEX	47.8	3.00	11/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	11/03/2023	ND	432	108	400	3.64	
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*	425	10.0	11/03/2023	ND	203	102	200	2.17	
DRO >C10-C28*	1060	10.0	11/03/2023	ND	174	87.1	200	1.83	
EXT DRO >C28-C36	<b>221</b> 10.0		11/03/2023	ND					
Surrogate: 1-Chlorooctane	114	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115	% 49.1-14	'8						

\*=Accredited Analyte

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 11/02/2023 Reported: 11/03/2023

11/03/2023 LOBO

Project Name: LOBO
Project Number: NONE GIVEN
Project Location: LOVINGTON, NM

Sampling Date: 11/02/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: EW - 7 (H236042-11)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/03/2023	ND	1.95	97.6	2.00	2.06	
Toluene*	3.55	0.500	11/03/2023	ND	2.09	105	2.00	2.63	
Ethylbenzene*	2.36	0.500	11/03/2023	ND	2.10	105	2.00	2.94	
Total Xylenes*	37.8	1.50	11/03/2023	ND	6.36	106	6.00	2.60	
Total BTEX	<b>44.0</b> 3.00		11/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	11/03/2023	ND	432	108	400	3.64	
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*	483	10.0	11/03/2023	ND	203	102	200	2.17	
DRO >C10-C28*	1270	10.0	11/03/2023	ND	174	87.1	200	1.83	
EXT DRO >C28-C36	266	10.0	11/03/2023	ND					
Surrogate: 1-Chlorooctane	124	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114	% 49.1-14	18						

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#### **Notes and Definitions**

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

ecovery.

GC-NC1 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with

interfering compounds.

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

U		ST IA	lanani	u, no	ມນຣ, ເ	AIAI	0024	U
(5	75)	393	-2326	FAX	(575	39	3-247	6

Company Name	Etech Environm	ental & Safety Solu	tions	, Inc							BII	LL TO						AN	ALYS	SIS	REQU	EST		
Project Manage	: Torl law	(L)						; P	.O. #	:									1	1			T	
Address: P.O								C	omp	any	<i>y</i> :													
City: Lovingto	n	State: NM	Zip	: 88	260			A	ttn:															
Phone #: (575	5) 396-2378	Fax #: (575) 3	96-	429				A	ddre	SS:														
Project #:		Project Owne	r:					С	ity:							-								
Project Name:	Laba		1					S	tate:			Zip:		9	SM)	218								
Project Location	1:							P	hone	e #:	P.		1.	Chloride	TPH (8015M)	BTEX (8021B)								
Sampler Name:	Martin	Sepulve	00					F	ax #:				44	CHI	I	X								
FOR LAB USE ONLY	1 10-1 1111	31 1300100	T	T		MA	TRIX		-	ESE	RV.	SAMPLI	NG		1	BT								
Lab I.D.	Sampl	e I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE .	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME											
1	F1.#20					1			T	1		11-2-23	1130	1	/	1								
2	F1#21					1				1	4			1	1	1								
3	F124					1				1				1	/	1								
4	F1.25					1				1				1	1	/								
5	FL28					1				1				1	/	1								
6	FL29					/				/				/	1	1								
7	F132					/				/				/	/	1								
8	F133					1				1				1	/	1								1
9	FL34					/				1				1	/	1								
10	EW-Le					1				1/				/	1	1	1							
analysis All claims includ	nd Damages, Cardinel's liability a ng those for negligence and any ardinal be-liable for incidental or ng out of orrelated to the perton	other cause whatspever shall be	ng with Cardin	ed wait out limit al, rega	red unles	is made siness in f whether	n writin	g and re	ceived (	by Car	rdinal w	within 30 days afte	r completion of	the applica aries, isc. esult: (It:	D Y		□ No		'l Pho					
	: (Circle One)	Date://elle	R		ved I	amole	Cor	dition				KED BY:	Please 6	email r	result	s to	20 pm@	eteche	env.co	om.				
Sampler - UPS	- Bus - Other:	4.9°				Ye No		Yes No		Y	·	)_												

FORM-006 Revision 1.0 † Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

# ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name: Etech Environmental & Safety Solutions, Inc.	BILL TO	ANALYSIS REQUEST
Project Manager: JOE) JOWY	P.O. #:	
Address: P.O. Box 301	Company:	1
City: Lovington State: NM Zip: 88260	Attn:	
Phone #: (575) 396-2378	Address:	
Project #: Project Owner:	City:	
Project Name: Labo	State: Zip:	221B
Project Location:	Phone #:	Chloride H (8015
Sampler Name: Martin Sepalveck	Fax #:	Chloride TPH (8015M) BTEX (8021B)
	PRESERV. SAMPLING	
#CONTAINERS GROUNDWATER WASTEWATER SOIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	
11 EW-7	1 11-2-27 15.30	
PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in co analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writi service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interrup affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such	g and received by Cardinaj within 30 days after completion o ions, loss of use, or loss of profits incurred by client, its subsid	f the applicable laries,
Relinquished By:  Date: 11-2-23  Time:	A Alda Ale Remark	esult:
Date: //e// Time:	Please	email results to pm@etechenv.com.
Delivered By: (Circle One)  Sampler UPS - Bus - Other:  4.9c  Sample Co Cool Inta Yes  No	dition   CHECKED BY:	

FORM-006 Revision 1.0

Received by OCD: 12/5/2024 1:25:42 PM

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



November 06, 2023

JOEL LOWRY
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: LOBO

Enclosed are the results of analyses for samples received by the laboratory on 11/03/23 16:38.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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.

Celey D. Keine

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. Keene

Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

A ... - I. ... - - I D. ... 311 /

Received: 11/03/2023 Reported: 11/06/2023

Project Name: LOBO
Project Number: NONE GIVEN

Project Location: LOVINGTON, NM

Sampling Date: 11/03/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: SW - 8 (H236060-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2023	ND	2.11	105	2.00	3.14	
Toluene*	<0.050	0.050	11/04/2023	ND	1.97	98.5	2.00	6.66	
Ethylbenzene*	<0.050	0.050	11/04/2023	ND	2.05	102	2.00	8.36	
Total Xylenes*	<0.150	0.150	11/04/2023	ND	6.14	102	6.00	9.24	
Total BTEX	<0.300	0.300	11/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	11/06/2023	ND	432	108	400	3.64	
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	11/05/2023	ND	197	98.4	200	2.75	
DRO >C10-C28*	122	10.0	11/05/2023	ND	213	107	200	2.32	
EXT DRO >C28-C36	22.6	10.0	11/05/2023	ND					
Surrogate: 1-Chlorooctane	80.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.0	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 11/03/2023 Sampling Date: 11/03/2023

Reported: 11/06/2023 Sampling Type: Soil

Project Name: LOBO Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: LOVINGTON, NM

#### Sample ID: SW - 9 (H236060-02)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2023	ND	2.11	105	2.00	3.14	
Toluene*	<0.050	0.050	11/04/2023	ND	1.97	98.5	2.00	6.66	
Ethylbenzene*	<0.050	0.050	11/04/2023	ND	2.05	102	2.00	8.36	
Total Xylenes*	<0.150	0.150	11/04/2023	ND	6.14	102	6.00	9.24	
Total BTEX	<0.300	0.300	11/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 5	% 71.5-13	4						
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	11/06/2023	ND	432	108	400	3.64	
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	11/05/2023	ND	197	98.4	200	2.75	
DRO >C10-C28*	67.7	10.0	11/05/2023	ND	213	107	200	2.32	
EXT DRO >C28-C36	27.7	10.0	11/05/2023	ND					
Surrogate: 1-Chlorooctane	82.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.7	% 49.1-14	8						

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Celey D. Keene



#### **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.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

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

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine

## ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 5 of 5

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Company Name:	(575) 393-2326 FAX (575) 393 Etech Environmental & Safety S			2.		_	T			BIL	L TO						ANA	LYS	IS F	FOL	IEST			
Project Manager:	Joel lawry				-		F	2.0.	_							1		1	1	1		1	T	T
Address: P.O.							C	om	pan	y:			1											
City: Lovington	State: NM	Zij	: 88	260				ttn:												1				
Phone #: (575)	396-2378 Fax #: (57	5) 396-	1429				_	ddn		1														
Project #:	Project Ov	vner:					C	ity:	-				-											
Project Name: /	Abo							State: Zip:						SM)	18									
Project Location:						-		hon					Chloride	TPH (8015M)	BTEX (8021B)									
Sampler Name:	Martin Sepula	e 0)	0.				F	Fax#:					1 5	I	X									
FOR LAB USE ONLY			T	-	MA	TRIX		Pf	RESI	ERV.	SAMPLI	NG	1	1	B				10					
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME		1										
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PLEASE NOTE: Liability and	Demages, Cardinal's liability and client's exclusive remed	y for any cla	im arisi	ig wheth	or base	d in cont	ract or t	tort, sh	all be i	limited to	the amount paid	by the client for	the		1	1	1				_	_		
service. In no event shall Care	those for negligence and any other cause whatsoever sh final be liable for incidental or consequental damages, in out of or related to the performance of services hereund	cluding with	eat Benik	dion, bu	oksena k	doorup@u	ou, loca	of use	, or lo	se of pro	dis incurred by o	iloni, ils subsidio	sion,	Deo										
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FORM-006 Revision 1.0



November 07, 2023

JOEL LOWRY
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: LOBO

Enclosed are the results of analyses for samples received by the laboratory on 11/06/23 16:26.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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.

Celey D. Keine

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. Keene

Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 11/06/2023 Reported: 11/07/2023

Project Name: LOBO

Project Number: NONE GIVEN
Project Location: LOVINGTON, NM

Sampling Date: 11/03/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

#### Sample ID: FL 24 (H236076-01)

BTEX 8021B	mg,	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2023	ND	1.88	94.1	2.00	1.45	
Toluene*	<0.050	0.050	11/06/2023	ND	2.03	102	2.00	0.383	
Ethylbenzene*	<0.050	0.050	11/06/2023	ND	2.07	103	2.00	0.884	
Total Xylenes*	<0.150	0.150	11/06/2023	ND	6.24	104	6.00	0.776	
Total BTEX	<0.300	0.300	11/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	11/07/2023	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	11/07/2023	ND	200	99.9	200	0.594	
DRO >C10-C28*	<10.0	10.0	11/07/2023	ND	188	94.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	11/07/2023	ND					
Surrogate: 1-Chlorooctane	60.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	54.2	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 11/06/2023 Reported: 11/07/2023

Project Name: LOBO
Project Number: NONE GIVEN
Project Location: LOVINGTON, NM

Sampling Date: 11/03/2023
Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

#### Sample ID: FL 25 (H236076-02)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2023	ND	1.88	94.1	2.00	1.45	
Toluene*	<0.050	0.050	11/06/2023	ND	2.03	102	2.00	0.383	
Ethylbenzene*	<0.050	0.050	11/06/2023	ND	2.07	103	2.00	0.884	
Total Xylenes*	<0.150	0.150	11/06/2023	ND	6.24	104	6.00	0.776	
Total BTEX	<0.300	0.300	11/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	11/07/2023	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*	24.7	10.0	11/07/2023	ND	200	99.9	200	0.594	
DRO >C10-C28*	171	10.0	11/07/2023	ND	188	94.1	200	1.74	
EXT DRO >C28-C36	13.0	10.0	11/07/2023	ND					
Surrogate: 1-Chlorooctane	66.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	61.1	% 49.1-14	18						

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Celey D. Keene



11/03/2023

#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Sampling Date:

Received: 11/06/2023 Reported: 11/07/2023

Sampling Type: Soil Project Name: LOBO Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Dionica Hinojos

LOVINGTON, NM Project Location:

#### Sample ID: FL 28 (H236076-03)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2023	ND	1.88	94.1	2.00	1.45	
Toluene*	<0.050	0.050	11/06/2023	ND	2.03	102	2.00	0.383	
Ethylbenzene*	<0.050	0.050	11/06/2023	ND	2.07	103	2.00	0.884	
Total Xylenes*	<0.150	0.150	11/06/2023	ND	6.24	104	6.00	0.776	
Total BTEX	<0.300	0.300	11/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	11/07/2023	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	11/07/2023	ND	200	99.9	200	0.594	
DRO >C10-C28*	<10.0	10.0	11/07/2023	ND	188	94.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	11/07/2023	ND					
Surrogate: 1-Chlorooctane	61.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	53.6	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 11/06/2023 Sampling Date: 11/03/2023

Reported: 11/07/2023 Sampling Type: Soil

Project Name: LOBO Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Dionica Hinojos

LOVINGTON, NM Project Location:

#### Sample ID: FL 29 (H236076-04)

BTEX 8021B	mg	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2023	ND	1.88	94.1	2.00	1.45	
Toluene*	<0.050	0.050	11/06/2023	ND	2.03	102	2.00	0.383	
Ethylbenzene*	<0.050	0.050	11/06/2023	ND	2.07	103	2.00	0.884	
Total Xylenes*	<0.150	0.150	11/06/2023	ND	6.24	104	6.00	0.776	
Total BTEX	<0.300	0.300	11/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500CI-B	mg	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	11/07/2023	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	11/07/2023	ND	200	99.9	200	0.594	
DRO >C10-C28*	<10.0	10.0	11/07/2023	ND	188	94.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	11/07/2023	ND					
Surrogate: 1-Chlorooctane	60.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	52.9	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 11/06/2023 Reported: 11/07/2023

Project Name: LOBO Project Number: NONE GIVEN Project Location: LOVINGTON, NM Sampling Date: 11/03/2023

Sampling Type: Soil Sampling Condition: Cool & Intact Sample Received By: Dionica Hinojos

#### Sample ID: FL 20 (H236076-05)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2023	ND	1.88	94.1	2.00	1.45	
Toluene*	<0.050	0.050	11/06/2023	ND	2.03	102	2.00	0.383	
Ethylbenzene*	<0.050	0.050	11/06/2023	ND	2.07	103	2.00	0.884	
Total Xylenes*	<0.150	0.150	11/06/2023	ND	6.24	104	6.00	0.776	
Total BTEX	<0.300	0.300	11/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 %	6 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	11/07/2023	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	11/07/2023	ND	200	99.9	200	0.594	
DRO >C10-C28*	<10.0	10.0	11/07/2023	ND	188	94.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	11/07/2023	ND					
Surrogate: 1-Chlorooctane	89.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.3	% 49.1-14	8						

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 11/06/2023 Reported: 11/07/2023

Project Name: LOBO Project Number: NONE GIVEN LOVINGTON, NM Project Location:

Sampling Date: 11/03/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Dionica Hinojos

#### Sample ID: FL 21 (H236076-06)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2023	ND	1.88	94.1	2.00	1.45	
Toluene*	<0.050	0.050	11/06/2023	ND	2.03	102	2.00	0.383	
Ethylbenzene*	<0.050	0.050	11/06/2023	ND	2.07	103	2.00	0.884	
Total Xylenes*	<0.150	0.150	11/06/2023	ND	6.24	104	6.00	0.776	
Total BTEX	<0.300	0.300	11/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	11/07/2023	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	11/07/2023	ND	200	99.9	200	0.594	
DRO >C10-C28*	<10.0	10.0	11/07/2023	ND	188	94.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	11/07/2023	ND					
Surrogate: 1-Chlorooctane	59.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	51.5	% 49.1-14	8						

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 11/06/2023 Reported: 11/07/2023

Project Name: LOBO Project Number: NONE GIVEN

Project Location: LOVINGTON, NM Sampling Date: 11/03/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Dionica Hinojos

#### Sample ID: FL 32 (H236076-07)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2023	ND	1.88	94.1	2.00	1.45	
Toluene*	<0.050	0.050	11/06/2023	ND	2.03	102	2.00	0.383	
Ethylbenzene*	<0.050	0.050	11/06/2023	ND	2.07	103	2.00	0.884	
Total Xylenes*	<0.150	0.150	11/06/2023	ND	6.24	104	6.00	0.776	
Total BTEX	<0.300	0.300	11/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	11/07/2023	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	11/07/2023	ND	200	99.9	200	0.594	
DRO >C10-C28*	<10.0	10.0	11/07/2023	ND	188	94.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	11/07/2023	ND					
Surrogate: 1-Chlorooctane	61.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	53.7	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



11/03/2023

#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Sampling Date:

Received: 11/06/2023 Reported: 11/07/2023

mg/kg

Reported:11/07/2023Sampling Type:SoilProject Name:LOBOSampling Condition:Cool & IntactProject Number:NONE GIVENSample Received By:Dionica Hinojos

Analyzed By: JH/

Project Location: LOVINGTON, NM

#### Sample ID: FL 33 (H236076-08)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	u by. 511/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2023	ND	1.88	94.1	2.00	1.45	
Toluene*	<0.050	0.050	11/06/2023	ND	2.03	102	2.00	0.383	
Ethylbenzene*	<0.050	0.050	11/06/2023	ND	2.07	103	2.00	0.884	
Total Xylenes*	<0.150	0.150	11/06/2023	ND	6.24	104	6.00	0.776	
Total BTEX	<0.300	0.300	11/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	11/07/2023	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	11/07/2023	ND	200	99.9	200	0.594	
DRO >C10-C28*	<10.0	10.0	11/07/2023	ND	188	94.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	11/07/2023	ND					
Surrogate: 1-Chlorooctane	87.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.5	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 11/06/2023 Reported: 11/07/2023

Project Name: LOBO
Project Number: NONE GIVEN
Project Location: LOVINGTON, NM

Sampling Date: 11/03/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

#### Sample ID: FL 34 (H236076-09)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2023	ND	1.88	94.1	2.00	1.45	
Toluene*	<0.050	0.050	11/06/2023	ND	2.03	102	2.00	0.383	
Ethylbenzene*	<0.050	0.050	11/06/2023	ND	2.07	103	2.00	0.884	
Total Xylenes*	<0.150	0.150	11/06/2023	ND	6.24	104	6.00	0.776	
Total BTEX	<0.300	0.300	11/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1140	16.0	11/07/2023	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	11/07/2023	ND	200	99.9	200	0.594	
DRO >C10-C28*	<10.0	10.0	11/07/2023	ND	188	94.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	11/07/2023	ND					
Surrogate: 1-Chlorooctane	73.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	65.6	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 11/06/2023 Reported: 11/07/2023

Project Name: LOBO
Project Number: NONE GIVEN
Project Location: LOVINGTON, NM

Sampling Date: 11/06/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

#### Sample ID: EW 6 (H236076-10)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2023	ND	1.88	94.1	2.00	1.45	
Toluene*	< 0.050	0.050	11/06/2023	ND	2.03	102	2.00	0.383	
Ethylbenzene*	<0.050	0.050	11/06/2023	ND	2.07	103	2.00	0.884	
Total Xylenes*	< 0.150	0.150	11/06/2023	ND	6.24	104	6.00	0.776	
Total BTEX	<0.300	0.300	11/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	16.0	11/07/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/07/2023	ND	200	99.9	200	0.594	
DRO >C10-C28*	138	10.0	11/07/2023	ND	188	94.1	200	1.74	
EXT DRO >C28-C36	32.5	10.0	11/07/2023	ND					
Surrogate: 1-Chlorooctane	80.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.2	% 49.1-14	8						

#### Cardinal Laboratories

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Celey D. Keine



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 11/06/2023 Sampling Date: 11/06/2023

Reported: 11/07/2023 Sampling Type: Soil

Project Name: LOBO Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Dionica Hinojos

Analyzed By: 1H /

Project Location: LOVINGTON, NM

ma/ka

#### Sample ID: EW 7 (H236076-11)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2023	ND	1.88	94.1	2.00	1.45	
Toluene*	<0.050	0.050	11/06/2023	ND	2.03	102	2.00	0.383	
Ethylbenzene*	<0.050	0.050	11/06/2023	ND	2.07	103	2.00	0.884	
Total Xylenes*	<0.150	0.150	11/06/2023	ND	6.24	104	6.00	0.776	
Total BTEX	<0.300	0.300	11/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1620	16.0	11/07/2023	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	11/07/2023	ND	212	106	200	0.482	
DRO >C10-C28*	258	10.0	11/07/2023	ND	216	108	200	1.37	
EXT DRO >C28-C36	133	10.0	11/07/2023	ND					
Surrogate: 1-Chlorooctane	70.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.9	% 49.1-14	8						

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#### **Notes and Definitions**

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

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

## ARDINAL LABORATORIES

101 East Mariand, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name			ากร	, inc				T			L	3/1	LL TO						ANA	LYS	IS F	EQU	EST			
Project Manage	Box 301	<b>\</b>							P.O	). #:							1			T	T	1	T	T	T	T
Address: P.O	. Box 301	)							Cor	npa	ny:															
City: Lovingto	n	State: NM Z	Zip:	88	260				Attr	1:		A														
Phone #: (575	5) 396-2378	Fax #: (575) 39	6-1	429					Ado	ires	s:															
Project #:		Project Owner:							City	/: T					- 1		-									
Project Name:	1000								Sta	te:		;	Zip:		e de	5M	218									
Project Location	1:								Phone #:					1	Chloride	801	(8)									
Sampler Name:	Martin Je	sulved	2						Fax	#:				u l	5	TPH (8015M)	BTEX (8021B)									
FOR LAB USE ONLY						MA	TRIX	(	-	PRE	SEF	₹٧.	SAMPLI	VG		F	100									
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Delivered By Sampler - UPS	(Circle One) - Bus - Other:	5.5°C			Sa	mple ool Yes	Cod Inta	ndition of the second s	on	V			ED BY:	Please e	mail r	esult	s to	om@	eteche	nv.co	m.					

FORM-006 Revision 1.0

Received by OCD: 12/5/2024 1:25:42 PM

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

# ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	mental & Safety Solut	ions	, Inc				T			BI	LL TO						ANA	LYSI	SRI	EQUE	ST		
Project Manager: Joul law	rv .						. 1	P.O.	#:								T		1.				
Address: P.O. Box 301	/						0	com	pany	<i>y</i> :													
City: Lovington	State: NM	Zip	882	260			1	ttn:											1				
Phone #: (575) 396-2378	Fax #: (575) 3	96-1	429				1	Addr	ess:												1		
Project #:	Project Owner	r:					0	City:	1						_								
Project Name: Labo							# 5	State	:		Zip:		9	<b>TPH (8015M)</b>	21B								
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Sampler Name: Mostin J	Epulueda						F	ax #	ŧ:				당	F	EX								
FOR LAB USE ONLY					MA	TRIX		PF	RESI	RV.	SAMPLI	NG		F	18								
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analyses. All claims including those for negligence and a service. In no event shall Cardinal be liable for incidental	ny other cause whatsoever shall be	deeme	visw be	ed unies	is made	in writing	ng and i	eceived	i by Ca	rdinal v	within 30 days afte	r completion of t	he applica	ble									
affiliates or successors arising out of or related to the perfe	ormance of services hereunder by	Cardina	il. rega	rdiess of	whethe	r such	claim is	based i	upon a	ny of th	e above stated re-	Phone Re	S0.	□ Ye	e [	No	Add	Phone	4.				
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FORM-006 Revision 1.0

Received by OCD: 12/5/2024 1:25:42 PM

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



November 21, 2023

JOEL LOWRY
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: LOBO 285 FRAC TANK OVERFLOW

Enclosed are the results of analyses for samples received by the laboratory on 11/17/23 14:03.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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)

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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,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 11/17/2023 Sampling Date: 11/16/2023

Reported: 11/21/2023 Sampling Type: Soil
Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Coo

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Shalyn Rodriguez

A .. . l. ... . d D. .. 311

Project Location: SOLARIS - EDDY CO., NM

#### Sample ID: SH - 2 A (H236304-01)

DTEV 0021D

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2023	ND	1.99	99.5	2.00	3.74	
Toluene*	<0.050	0.050	11/20/2023	ND	2.07	103	2.00	4.61	
Ethylbenzene*	<0.050	0.050	11/20/2023	ND	2.07	103	2.00	4.41	
Total Xylenes*	<0.150	0.150	11/20/2023	ND	6.27	104	6.00	4.28	
Total BTEX	<0.300	0.300	11/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5200	16.0	11/20/2023	ND	432	108	400	3.77	
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	11/18/2023	ND	211	105	200	9.87	
DRO >C10-C28*	187	10.0	11/18/2023	ND	212	106	200	8.62	
EXT DRO >C28-C36	72.5	10.0	11/18/2023	ND					
Surrogate: 1-Chlorooctane	74.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.3	% 49.1-14	8						

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 11/17/2023 Reported: 11/21/2023

11/21/2023 Sampling Type: LOBO 285 FRAC TANK OVERFLOW Sampling Condition:

Applyzod By: 14

Project Name: LOBO : Project Number: 16409

Project Location: SOLARIS - EDDY CO., NM

ma/ka

Sampling Date: 11/16/2023

mpling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

#### Sample ID: WH - 2 (H236304-02)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2023	ND	1.99	99.5	2.00	3.74	
Toluene*	<0.050	0.050	11/20/2023	ND	2.07	103	2.00	4.61	
Ethylbenzene*	<0.050	0.050	11/20/2023	ND	2.07	103	2.00	4.41	
Total Xylenes*	<0.150	0.150	11/20/2023	ND	6.27	104	6.00	4.28	
Total BTEX	<0.300	0.300	11/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5040	16.0	11/20/2023	ND	432	108	400	3.77	
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	11/20/2023	ND	211	105	200	9.87	
DRO >C10-C28*	220	10.0	11/20/2023	ND	212	106	200	8.62	
EXT DRO >C28-C36	86.5	10.0	11/20/2023	ND					
Surrogate: 1-Chlorooctane	79.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.0	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 11/17/2023 Reported: 11/21/2023

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Sample Received By: Project Number: 16409

Project Location: SOLARIS - EDDY CO., NM Sampling Date: 11/16/2023

Sampling Type: Soil

Cool & Intact Shalyn Rodriguez

#### Sample ID: WH - 3 (H236304-03)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2023	ND	1.99	99.5	2.00	3.74	
Toluene*	<0.050	0.050	11/20/2023	ND	2.07	103	2.00	4.61	
Ethylbenzene*	<0.050	0.050	11/20/2023	ND	2.07	103	2.00	4.41	
Total Xylenes*	<0.150	0.150	11/20/2023	ND	6.27	104	6.00	4.28	
Total BTEX	<0.300	0.300	11/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 9	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5840	16.0	11/20/2023	ND	432	108	400	3.77	
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	11/20/2023	ND	211	105	200	9.87	
DRO >C10-C28*	144	10.0	11/20/2023	ND	212	106	200	8.62	
EXT DRO >C28-C36	51.2	10.0	11/20/2023	ND					
Surrogate: 1-Chlorooctane	61.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	67.6	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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 whatsoever 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, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of 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.

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



#### **Notes and Definitions**

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

Cardinal Laboratories \*=Accredited Analyte

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 whistoever 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, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Page 5 of 6

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Page 6 of 6

# ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name	(575) 393-2326 FAX (5 e: Etech Environmental & S			Inc.		_	-			RI	LL TO			1			ANA	YSI	S RE	QUE	ST		
Project Manage		and y design	,		-		-	P	0. #			(2000) (1024) (2000)	1		T	1			1	L			
	17 West Marland		-					-	omp	-	Solar	nio .	1		1								
City: Hobbs		te: NM Z	ip: 8	382	40			1	tn:	arry	Rob Kirl	1	1				1						
	'5) 264-9884 Fax			-				1	dre	ee.	TOD TO												
Project #: 164		ject Owner:	-	Sola	aris			B	ty:	33.			4				1						
	Lobo 285 Frac Tank Overflow		ja .			_	-			NM	7in·			2	18								
	n: Rural Eddy			-	1			1	none		6N		Chloride	TPH (8015M)	(8021B)								
	: Dominic Casarez		-					-	x #:		1	1 - 0	1 %	B) H	X								
FOR LAB USE ONLY	T		T	T		MAT	RIX	1	_	SERV	SAMPL	NG	17	4	BTEX								
Lab I.D.	Sample I.D.		(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	OTHER:	ACID/BASE:	ICE / COOL OTHER:	DATE	TIME		**					44				
1	SH-2 A		C	1		X				X	11/16/23	C 010	X	X	X								
3	WH-2		C	1		X				X	11/16/23		Х	X	X								
3	WH-3		С	1	+	X	+	-		X	11/16/23		X	Х	X								-
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nalyses. All claims inclut ervice. In no event shall (	II G Tim	hatsoever shall be deedamages, including with cest hereunder by Card tes.	med we thout library records Records	waived imitation egardle eive	unless n	nade in ress internether si	writing a	nd reco	erved by	Cardinal vor loss of p	within 30 days after rofits incurred by o	r completion of the	he applicat ries, se. sult: lt:	☐ Ye		No No	Add'l I		#:				
Delivered By					Cod	ol l	Condi				(ED BY:	Please e	mail r	esults	and o	сору	of CoC	to pr	m@et	echen	v.com		
Sampler - UPS	- Bus - Other:	c #40	)		-	Yes	E Y	es lo		5/2	-												

FORM-006 Revision 1.0

Received by OCD: 12/5/2024 1:25:42 PM

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



November 29, 2023

JOEL LOWRY
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: LOBO 285 FRAC TANK OVERFLOW

Enclosed are the results of analyses for samples received by the laboratory on 11/22/23 15:54.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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.

Celey D. Keine

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. Keene

Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 11/22/2023 Sampling Date: 11/21/2023
Reported: 11/29/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact

Project Number: 16409 Sample Received By: Dionica Hinojos

Project Location: SOLARIS - EDDY CO., NM

#### Sample ID: WH3 - A (H236379-01)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1330	16.0	11/27/2023	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	11/27/2023	ND	226	113	200	3.72	
DRO >C10-C28*	24.3	10.0	11/27/2023	ND	229	114	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	11/27/2023	ND					
Surrogate: 1-Chlorooctane	80.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.0	% 49.1-14	8						

#### Sample ID: SH2 - C (H236379-02)

mg	/kg	Analyze	d By: HM					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
928	16.0	11/27/2023	ND	416	104	400	0.00	
mg	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	11/27/2023	ND	226	113	200	3.72	
31.5	10.0	11/27/2023	ND	229	114	200	4.05	
16.3	10.0	11/27/2023	ND					
76.7	% 48.2-13	4						
86.3	% 49.1-14	8						
	Result 928 mg, Result <10.0 31.5 16.3	928 16.0  mg/kg  Result Reporting Limit  <10.0 10.0  31.5 10.0  16.3 10.0  76.7 % 48.2-13	Result         Reporting Limit         Analyzed           928         16.0         11/27/2023           mg/kg         Analyze           Result         Reporting Limit         Analyzed           <10.0	Result         Reporting Limit         Analyzed         Method Blank           928         16.0         11/27/2023         ND           mg/kg         Analyzed By: MS           Result         Reporting Limit         Analyzed         Method Blank           <10.0	Result         Reporting Limit         Analyzed         Method Blank         BS           928         16.0         11/27/2023         ND         416           mg/kg         Analyzed By: MS           Result         Reporting Limit         Analyzed         Method Blank         BS           <10.0	Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery           928         16.0         11/27/2023         ND         416         104           mg/kg         Analyzed By: MS           Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery           <10.0	Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC           928         16.0         11/27/2023         ND         416         104         400           mg/kg         Analyzed By: MS           Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC           <10.0	Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           928         16.0         11/27/2023         ND         416         104         400         0.00           mg/kg         Analyzed By: MS           Result         Reporting Limit         Analyzed By: MS         BS         % Recovery         True Value QC         RPD           <10.0

Cardinal Laboratories \*=Accredited Analyte

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Celeg & Freene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 11/22/2023 Sampling Date: 11/21/2023

Reported: 11/29/2023 Sampling Type: Soil
Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Coo

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Dionica Hinojos

Project Location: SOLARIS - EDDY CO., NM

#### Sample ID: WH2 - B (H236379-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	11/27/2023	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	11/27/2023	ND	226	113	200	3.72	
DRO >C10-C28*	102	10.0	11/27/2023	ND	229	114	200	4.05	
EXT DRO >C28-C36	35.4	10.0	11/27/2023	ND					
Surrogate: 1-Chlorooctane	76.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.0	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Kreene



#### **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

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Freene

## ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

	(575) 393-2326 FAX																								
Company Name		& Safety Solution	ons,	Inc							BI	LL TO						ANA	LYSI	SR	EQUE	ST			
Project Manage	r: Joel Lowry		_					1	2.0.	#:								1							
Address: 261	7 West Marland								Com	pan	y	Solari	is												
City: Hobbs		State: NM	Zip:	882	240			4	tn:			Rob Kirk	(	9 1											
Phone #: (575	5) 264-9884	Fax #:							Addı	ress	:														
Project #: 164	09	Project Owner:		So	aris				City:							_				}					
Project Name:	Lobo 285 Frac Tank Ove	erflow	1						State	e: 1	MM	Zip:		0	5M)	21B									
Project Location	n: Rural Eddy		F.					1	Pho	ne #:			n la fri	Chloride	801	(80)									
Sampler Name:	Dominic Casarez								ax	#:				S.	TPH (8015M)	BTEX (8021B)		1							
FOR LAB USE ONLY						MA	TRIX		P	RES	ERV.	SAMPLI	NG	1	1	BT									
HABUST Lab I.D.	Sample I.I	D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ICE / COOL	OTHER:	DATE	TIME		sa .										
	WH3-A		C	1		>	(			X		11/21/23		X	X										
2	SH2-C		С	1		>	(			X		11/21/23		X	Х										
5	WH2-B		С	1		>	(			X		11/21/23		X	Х										
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analyses. All claims includ	nd Damages. Cardinal's liability and cliening those for negligence and any other callardinal be liable for incidental or consequing out of or related to the performance of	use whatsoever shall be duental damages, including	eemed withou ordinal	d waiv it limita , rega	ed unle	usiness in the state of whether	in writin	ions, lo	eceive ss of us	d by Ca se, or lo	ardinal w ess of pr	rithin 30 days afte ofits incurred by c	r completion of t client, its subsidia	he applica ries, se. esult: lt:	□ Ye		No No		Phone Fax #:						
	y: : (Circle One) - Bus - Other:	Date: Time:	Re	cei		Cool	le Cor Inta es I	ct Yes	on	CH		ED BY:	Please 6	1	esults	s and	сору	of Co	C to p	m@e	eteche	nv.con	٦.		

FORM-006 Revision 1.0

Received by OCD: 12/5/2024 1:25:42 PM

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



December 11, 2023

JOEL LOWRY
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: LOBO 285 FRAC TANK OVERFLOW

Enclosed are the results of analyses for samples received by the laboratory on 12/06/23 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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.

Celey D. Keine

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. Keene

Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 12/06/2023 Sampling Date: 12/06/2023

Reported: 12/11/2023 Sampling Type: Soil

Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 16409 Sample Received By: Dionica Hinojos

Project Location: SOLARIS - EDDY CO., NM

#### Sample ID: WH3 - C (H236561-01)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/07/2023	ND	416	104	400	3.77	
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	12/07/2023	ND	198	99.0	200	2.32	
DRO >C10-C28*	<10.0	10.0	12/07/2023	ND	204	102	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	12/07/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114	% 49.1-14	8						

#### Sample ID: SH2 - D (H236561-02)

mg,	/kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
160	16.0	12/07/2023	ND	416	104	400	3.77	
mg	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	12/07/2023	ND	198	99.0	200	2.32	
<10.0	10.0	12/07/2023	ND	204	102	200	5.72	
<10.0	10.0	12/07/2023	ND					
102	% 48.2-13	4						
114	% 49.1-14	8						
	Result  160  mg,  Result  <10.0  <10.0  102	160 16.0  mg/kg  Result Reporting Limit  <10.0 10.0  <10.0 10.0  <10.0 10.0  48.2-13	Result Reporting Limit Analyzed  160 16.0 12/07/2023  mg/kg Analyze  Result Reporting Limit Analyzed  <10.0 10.0 12/07/2023  <10.0 10.0 12/07/2023  <10.0 10.0 12/07/2023  <10.0 48.2-134	Result         Reporting Limit         Analyzed         Method Blank           160         16.0         12/07/2023         ND           mg/kg         Analyzed By: MS           Result         Reporting Limit         Analyzed         Method Blank           <10.0	Result         Reporting Limit         Analyzed         Method Blank         BS           160         16.0         12/07/2023         ND         416           mg/kg         Analyzed By: MS           Result         Reporting Limit         Analyzed         Method Blank         BS           <10.0	Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery           160         16.0         12/07/2023         ND         416         104           mg/kg         Analyzed By: MS           Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery           <10.0	Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC           160         16.0         12/07/2023         ND         416         104         400           mg/kg         Analyzed By: MS           Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC           <10.0	Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           160         16.0         12/07/2023         ND         416         104         400         3.77           mg/kg         Analyzed By: MS           Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           <10.0

Cardinal Laboratories \*=Accredited Analyte

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 whistoever 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, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of 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.

Celey D. Keine



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 12/06/2023 Sampling Date: 12/06/2023

Reported: 12/11/2023 Sampling Type: Soil
Project Name: LOBO 285 FRAC TANK OVERFLOW Sampling Condition: Cool & Intact

Project Number: 16409 Sample Received By: Dionica Hinojos

Project Location: SOLARIS - EDDY CO., NM

#### Sample ID: WH2 - C (H236561-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	12/07/2023	ND	416	104	400	3.77	
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	12/07/2023	ND	198	99.0	200	2.32	
DRO >C10-C28*	<10.0	10.0	12/07/2023	ND	204	102	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	12/07/2023	ND					
Surrogate: 1-Chlorooctane	94.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	'8						

#### Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### **Notes and Definitions**

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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Celey D. Keene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

# E A

### ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Nam	e: Etech Environmental & Safety Solu	tions	, In	C.				M			3/1	L 10						ANA	LYSI	SR	EQUE	EST		
Project Manage	er: Joel Lowry							Ac	). #:					18						T				
Address: 26	17 West Marland			1				Col	mpa	апу		Solar	is											
City: Hobbs	State: NM	Zip	: 88	240				Att	n:			Rob Kirk												
Phone #: (57	75) 264-9884 Fax #:							Add	dres	ss:				1.										
Project #: 16	409 Project Owne	r:	So	laris				City	v:			1		1		-								
Project Name:	Lobo 285 Frac Tank Overflow						- 1			NA	1	Zip:			€W	218								
Project Location	on: Rural Eddy								one					Chloride	TPH (8015M)	BTEX (8021B)								
Sampler Name	: Eddie Gayton	1						Fax	#:			1	7	흥	I	X								
FOR LAB USE ONLY		T	T		MA	TRI	(		PRE	SEF	RV.	SAMPLI	NG	1	1	B		1						
H236561		OMP)	S	ER	2		П																	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ACID/BASE:	CE / COOL	OTHER:	DATE	TIME	1										
j	WH3-C	C	#	O .	> 0)	_	S	0			9	12/6/23	TIME	, ·	_				-	-	+	+	-	
2	SH2-D	C	1		X	1				X	1	12/6/23		X	X	-		-		+	+	+	-	
3		C	1		X	+				X	1	12/6/23		X	X				-	1	1	1		-
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analyses. All claims Includ	ding those for negligence and any other cause whatsoever shall be	deeme	d waiv	ed unice	s made	in writin	ng and	receiv	red by	Cardir	tel wi	thin 30 days after	completion of the	he applical	ble									
officiales or successors ari Relinquished E	Cardinal be liable for incidental or consequental damages, including out of or related to the performance of services hereunder by:  Date:			rdless of		such	claim is	bese	d upo	n any o	of the	above stated re-	Phone Re		☐ Ye	9 0	No	Addi	Phone	· #-				 _
A	01/	#	-	veu E	у.							,	Fax Resul	lt:	☐ Ye		No		Fax #					_
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Refinquished B	By: Date:	Re	cei	ved E	y:																			
	Time:												Please e	mail r	osulte	e and	conv 4	of Co	C to n	mMe	atechs	any cor	m	
Delivered By	: (Circle One) -2.9				ample			on	(			ED BY:	riease e	arian f	coult	and	сору	01 00	C to p	mwe	RECIFE	HIV.COI	11.	
Sampler - UPS	- Bus - Other:	h		Ĩ	₹Ye	s 🖸	Yes		1/	2														

FORM-006 Revision 1.0

Received by OCD: 12/5/2024 1:25:42 PM

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

# Appendix E Laboratory Analytical Reports (nAPP2135135752 - Commingled Area)



October 03, 2023

JOEL LOWRY
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: LOBO 285 SWD WATER REUSE

Enclosed are the results of analyses for samples received by the laboratory on 09/27/23 16:28.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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.

Celey D. Keine

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. Keene

Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Sampling Date:

09/27/2023

Reported:

Received:

09/27/2023 10/03/2023

Sampling Type:

Soil

Project Name:

LOBO 285 SWD WATER REUSE

Sampling Condition:

Cool & Intact

Project Number:

15510

Sample Received By:

Dionica Hinojos

Project Location:

SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL # 1 @ 3' (H235284-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2023	ND	1.82	90.9	2.00	0.0829	
Toluene*	<0.050	0.050	10/01/2023	ND	2.02	101	2.00	1.09	
Ethylbenzene*	<0.050	0.050	10/01/2023	ND	2.13	106	2.00	1.52	
Total Xylenes*	<0.150	0.150	10/01/2023	ND	6.36	106	6.00	2.04	
Total BTEX	<0.300	0.300	10/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/29/2023	ND	448	112	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	09/29/2023	ND	192	96.2	200	2.20	
DRO >C10-C28*	103	10.0	09/29/2023	ND	185	92.3	200	2.01	
EXT DRO >C28-C36	99.4	10.0	09/29/2023	ND					
Surrogate: 1-Chlorooctane	80.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.7	% 49.1-14	8						

#### **Cardinal Laboratories**

\*=Accredited Analyte

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Celey D. Keine



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/27/2023 Sampling Date: 09/27/2023

Reported: 10/03/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: 15510 Sample Received By: Dionica Hinojos

Analyzed By: JH

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL # 2 @ 3' (H235284-02)

BTEX 8021B

DIEX GOZID	iiig/	ng .	Alldiyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2023	ND	1.82	90.9	2.00	0.0829	
Toluene*	<0.050	0.050	10/01/2023	ND	2.02	101	2.00	1.09	GC-NC
Ethylbenzene*	<0.050	0.050	10/01/2023	ND	2.13	106	2.00	1.52	GC-NC
Total Xylenes*	0.305	0.150	10/01/2023	ND	6.36	106	6.00	2.04	GC-NC1
Total BTEX	0.305	0.300	10/01/2023	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	132	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	135	10.0	09/29/2023	ND	192	96.2	200	2.20	
DRO >C10-C28*	9920	10.0	09/29/2023	ND	185	92.3	200	2.01	
EXT DRO >C28-C36	3590	10.0	09/29/2023	ND					
Surrogate: 1-Chlorooctane	113	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	320	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/27/2023 Sampling Date: 09/27/2023

Reported: 10/03/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: 15510 Sample Received By: Dionica Hinojos

Applyzod By: 14

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL # 3 @ 3' (H235284-03)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2023	ND	1.82	90.9	2.00	0.0829	
Toluene*	<0.050	0.050	10/01/2023	ND	2.02	101	2.00	1.09	
Ethylbenzene*	<0.050	0.050	10/01/2023	ND	2.13	106	2.00	1.52	
Total Xylenes*	<0.150	0.150	10/01/2023	ND	6.36	106	6.00	2.04	
Total BTEX	<0.300	0.300	10/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13-	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	192	96.2	200	2.20	
DRO >C10-C28*	88.5	10.0	09/29/2023	ND	185	92.3	200	2.01	
EXT DRO >C28-C36	61.3	10.0	09/29/2023	ND					
Surrogate: 1-Chlorooctane	87.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.4	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/27/2023 Sampling Date: 09/27/2023

Reported: 10/03/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact Project Number: 15510 Sample Received By: Dionica Hinojos

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL # 4 @ 3' (H235284-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2023	ND	1.82	90.9	2.00	0.0829	
Toluene*	<0.050	0.050	10/01/2023	ND	2.02	101	2.00	1.09	
Ethylbenzene*	<0.050	0.050	10/01/2023	ND	2.13	106	2.00	1.52	
Total Xylenes*	<0.150	0.150	10/01/2023	ND	6.36	106	6.00	2.04	
Total BTEX	<0.300	0.300	10/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	09/29/2023	ND	448	112	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	09/29/2023	ND	192	96.2	200	2.20	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	185	92.3	200	2.01	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					
Surrogate: 1-Chlorooctane	79.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.7	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/27/2023 Sampling Date: 09/27/2023

Reported: 10/03/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact Project Number: 15510 Sample Received By: Dionica Hinojos

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL # 5 @ 3' (H235284-05)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2023	ND	1.82	90.9	2.00	0.0829	
Toluene*	<0.050	0.050	10/01/2023	ND	2.02	101	2.00	1.09	
Ethylbenzene*	<0.050	0.050	10/01/2023	ND	2.13	106	2.00	1.52	
Total Xylenes*	<0.150	0.150	10/01/2023	ND	6.36	106	6.00	2.04	
Total BTEX	<0.300	0.300	10/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	09/29/2023	ND	448	112	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	09/29/2023	ND	192	96.2	200	2.20	
DRO >C10-C28*	227	10.0	09/29/2023	ND	185	92.3	200	2.01	
EXT DRO >C28-C36	168	10.0	09/29/2023	ND					
Surrogate: 1-Chlorooctane	86.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.7	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/27/2023 Sampling Date: 09/27/2023

Reported: 10/03/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact Project Number: 15510 Sample Received By: Dionica Hinojos

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL # 8 @ 3' (H235284-06)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/29/2023	ND	1.77	88.5	2.00	5.61	
Toluene*	<0.050	0.050	09/29/2023	ND	1.94	97.0	2.00	0.850	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.06	103	2.00	0.309	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.09	101	6.00	1.67	
Total BTEX	<0.300	0.300	09/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8800	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	192	96.2	200	2.20	
DRO >C10-C28*	1510	10.0	09/29/2023	ND	185	92.3	200	2.01	
EXT DRO >C28-C36	68.5	10.0	09/29/2023	ND					
Surrogate: 1-Chlorooctane	75.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	299	% 49 1-1 <i>4</i>	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/27/2023 Sampling Date: 09/27/2023

Reported: 10/03/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact Project Number: Sample Received By: 15510 Dionica Hinojos

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL # 9 @ 3' (H235284-07)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/29/2023	ND	1.77	88.5	2.00	5.61	
Toluene*	<0.050	0.050	09/29/2023	ND	1.94	97.0	2.00	0.850	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.06	103	2.00	0.309	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.09	101	6.00	1.67	
Total BTEX	<0.300	0.300	09/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12200	16.0	09/29/2023	ND	448	112	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	09/29/2023	ND	192	96.2	200	2.20	
DRO >C10-C28*	145	10.0	09/29/2023	ND	185	92.3	200	2.01	
EXT DRO >C28-C36	32.2	10.0	09/29/2023	ND					
Surrogate: 1-Chlorooctane	77.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.1	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/27/2023 Sampling Date: 09/27/2023

Reported: 10/03/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact Project Number: 15510 Sample Received By: Dionica Hinojos

Applyzod By: 14

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL # 10 @ 3' (H235284-08)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/29/2023	ND	1.77	88.5	2.00	5.61	
Toluene*	<0.050	0.050	09/29/2023	ND	1.94	97.0	2.00	0.850	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.06	103	2.00	0.309	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.09	101	6.00	1.67	
Total BTEX	<0.300	0.300	09/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20000	16.0	09/29/2023	ND	448	112	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	09/29/2023	ND	192	96.2	200	2.20	
DRO >C10-C28*	2860	10.0	09/29/2023	ND	185	92.3	200	2.01	
EXT DRO >C28-C36	1200	10.0	09/29/2023	ND					
Surrogate: 1-Chlorooctane	87.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 49.1-14	8						

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Celey D. Keene

S-04



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

#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/27/2023 Sampling Date: 09/27/2023

Reported: 10/03/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: 15510 Sample Received By: Dionica Hinojos

Analyzed By: JH

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL # 11 @ 3' (H235284-09)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	u by. 511							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	09/29/2023	ND	1.77	88.5	2.00	5.61			
Toluene*	<0.050	0.050	09/29/2023	ND	1.94	97.0	2.00	0.850			
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.06	103	2.00	0.309			
Total Xylenes*	<b>0.789</b> 0.150		09/29/2023 ND		6.09	101	6.00	1.67	GC-NC1		
Total BTEX	0.789	0.300	09/29/2023	ND					GC-NC1		
Surrogate: 4-Bromofluorobenzene (PID	136	% 71.5-13	4								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	6400	16.0	09/29/2023	ND	448	112	400	0.00			
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10*	<100	100	09/29/2023	ND	201	100	200	3.57			
DRO >C10-C28*	12200	100	09/29/2023	ND	210	105	200	4.62	QM-07, QR-03		
EXT DRO >C28-C36	4790	100	09/29/2023	ND							
Surrogate: 1-Chlorooctane	110	% 48.2-13	4								
Surrogate: 1-Chlorooctadecane	513	% 49.1-14	8								

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene

S-04



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

#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/27/2023 Sampling Date: 09/27/2023

Reported: 10/03/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact Project Number: 15510 Sample Received By: Dionica Hinojos

Analyzed By: JH

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL # 12 @ 3' (H235284-10)

BTEX 8021B

212/100222	9/	9	7111411720	,						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/29/2023	ND	1.77	88.5	2.00	5.61		
Toluene*	<0.050	0.050	09/29/2023 ND		1.94	97.0	2.00	0.850		
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.06	103	2.00	0.309		
Total Xylenes*	0.726	0.150	09/29/2023	ND	6.09	101	6.00	1.67	GC-NC1	
Total BTEX	0.726	0.300	09/29/2023	ND					GC-NC1	
Surrogate: 4-Bromofluorobenzene (PID	138	% 71.5-13	4							
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5040	16.0	09/29/2023	ND	432	108	400	3.64		
TPH 8015M	mg,	'kg	Analyze	ed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<100	100	09/29/2023	ND	201	100	200	3.57		
DRO >C10-C28*	14600	100	09/29/2023	ND	210	105	200	4.62		
EXT DRO >C28-C36	5680	100	09/29/2023	ND						
Surrogate: 1-Chlorooctane	119	% 48.2-13	4							
Surrogate: 1-Chlorooctadecane	606	% 49.1-14	8							

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Celey D. Keene



#### **Notes and Definitions**

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
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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Celeg D. Freene

Released to Imaging: 4/29/2025 9:18:52 AM



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name	: Etech Environmen	ntal						BILL TO				T				ANA	LYSIS	RE	QUEST			
Project Manage	r: Joel Lowry							P.	0. #:						T	17						
Address: 261	7 W Marland Blvd							Co	mpar	ıy:	Solaris Midstree	ım	1								- 1	
City: Hobbs	S	state: NM	Zip	: {	3824	0	A	At	tn: R	ob Ki	rlk			1								
Phone #: 575	5-396-2378 F	ax #: 575-396-1					M	Ad	Idress	:	-											
Project #: 155	510 F	roject Owner:	30	nans (	LL(		eam,	Cit	ty:													
Project Name:	Lobo 285 SWD Water	Reuse						St	ate:		Zip:		1	1						1 1		
Project Location	n: UL/ A Sec 22 T25	S - R28E						Ph	one i	:		1	1									
Sampler Name:	Acren Rid		,					Fa	x #:					1								
FOR LAB USE ONLY		*		П		MATI	RIX		PRES	SERV.	SAMPLI	NG	7		1							
Lab I.D. H235284	Sample	I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	OTHER:	ACID/BASE:	OTHER:	DATE	AZ3	Chloride	ТРН	BTEX 8021							
V	FL # 163		X	П		X				X	9.2123		X	X	X							
Z	R#263		1	Ц						1	1		1		1							
3	R #3 @ 3		11				_						11		11							
4	FL # 4 @ 3		11	Ц		111	1						11	11	11	1	_					
5	FL #563	,	11	П		111	1			f				11	11							
6	FL #863	1	11	Ц		Ш	1						11	11								
1	FL #963		11		1	11							$\sqcup$	11	11	1	-					
8	FL #10 @ 3		11	Ц	-	111	-	-					11	11	11		-					
9	FL # 11 @ 3		1		-	1	-	-		4	/			14	111	-	-				_	
10	FL # 12 @ 3		V			V	646		1	1	V		V	10	V							

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Relinquished By:	Date:   R	Received By:		Phone Result: Fax Result:	☐ Yes	□ No	Add'l Phone #: Add'l Fax #:
Acron L. os	Time: 110-78	(DHI in m)		REMARKS:	Email re	esults to	pm@etechenv.com
Relinquished By:	Date:	Received By:					
	Time:		A P				
Delivered By: (Circle One)	4.0°C	Sample Condition Cool Intact	CHECKED BY: (Initials)				
Sampler - UPS - Bus - Other:	#1	UO Pes Pyes No	DA				

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



October 05, 2023

JOEL LOWRY
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: LOBO 285 SWD WATER REUSE

Enclosed are the results of analyses for samples received by the laboratory on 09/29/23 14:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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.

Celey D. Keine

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. Keene

Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

 Received:
 09/29/2023
 Sampling Date:
 09/28/2023

 Reported:
 10/05/2023
 Sampling Type:
 Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: 15510 Sample Received By: Dionica Hinojos

A ... - L ... - - - I D. .. MC

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL # 13 @ 3' (H235330-01)

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	10/02/2023	ND	1.98	99.2	2.00	2.72	
Toluene*	<0.050	0.050	10/02/2023	ND	2.06	103	2.00	4.37	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	2.04	102	2.00	4.79	
Total Xylenes*	<0.150	0.150	10/02/2023	ND	6.19	103	6.00	5.04	
Total BTEX	<0.300	0.300	10/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8800	16.0	10/02/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	Analyzed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2023	ND	180	89.8	200	8.80	
DRO >C10-C28*	4580	10.0	10/02/2023	ND	184	92.1	200	13.2	
EXT DRO >C28-C36	1860	10.0	10/02/2023	ND					
Surrogate: 1-Chlorooctane	128 9	26 48.2-13	4						
Surrogate: 1-Chlorooctadecane	209	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/29/2023 Sampling Date: 09/28/2023

Reported: 10/05/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: 15510 Sample Received By: Dionica Hinojos

Applyzod By: MC

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL # 14 @ 3' (H235330-02)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2023	ND	1.98	99.2	2.00	2.72	
Toluene*	<0.050	0.050	10/02/2023	ND	2.06	103	2.00	4.37	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	2.04	102	2.00	4.79	
Total Xylenes*	<0.150	0.150	10/02/2023	ND	6.19	103	6.00	5.04	
Total BTEX	<0.300	0.300	10/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	19200	16.0	10/02/2023	ND	432	108	400	3.64	
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	10/02/2023	ND	190	94.9	200	3.88	
DRO >C10-C28*	37.6	10.0	10/02/2023	ND	192	96.1	200	1.20	
EXT DRO >C28-C36	10.3	10.0	10/02/2023	ND					
Surrogate: 1-Chlorooctane	88.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/29/2023 Sampling Date: 09/28/2023

Reported: 10/05/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact Project Number: Sample Received By: 15510 Dionica Hinojos

Applyzod By: MC

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL # 15 @ 3' (H235330-03)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2023	ND	1.98	99.2	2.00	2.72	
Toluene*	<0.050	0.050	10/02/2023	ND	2.06	103	2.00	4.37	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	2.04	102	2.00	4.79	
Total Xylenes*	<0.150	0.150	10/02/2023	ND	6.19	103	6.00	5.04	
Total BTEX	<0.300	0.300	10/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6400	16.0	10/02/2023	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2023	ND	190	94.9	200	3.88	
DRO >C10-C28*	44.1	10.0	10/02/2023	ND	192	96.1	200	1.20	
EXT DRO >C28-C36	24.0	10.0	10/02/2023	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	126	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/29/2023 Sampling Date: 09/28/2023

Reported: 10/05/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact Project Number: 15510 Sample Received By: Dionica Hinojos

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL # 16 @ 3' (H235330-04)

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	10/02/2023	ND	1.98	99.2	2.00	2.72	
Toluene*	<0.050	0.050	10/02/2023	ND	2.06	103	2.00	4.37	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	2.04	102	2.00	4.79	
Total Xylenes*	<0.150	0.150	10/02/2023	ND	6.19	103	6.00	5.04	
Total BTEX	<0.300	0.300	10/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 %	6 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10000	16.0	10/02/2023	ND	432	108	400	3.64	
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	10/02/2023	ND	190	94.9	200	3.88	
DRO >C10-C28*	3040	10.0	10/02/2023	ND	192	96.1	200	1.20	
EXT DRO >C28-C36	1370	10.0	10/02/2023	ND					
Surrogate: 1-Chlorooctane	112 %	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	144 9	6 49.1-14	8						

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/29/2023 Sampling Date: 09/28/2023

Reported: 10/05/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact Project Number: Sample Received By: 15510 Dionica Hinojos

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL # 17 @ 3' (H235330-05)

BTEX 8021B	mg/	kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2023	ND	1.98	99.2	2.00	2.72	
Toluene*	<0.050	0.050	10/02/2023	ND	2.06	103	2.00	4.37	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	2.04	102	2.00	4.79	
Total Xylenes*	<0.150	0.150	10/02/2023	ND	6.19	103	6.00	5.04	
Total BTEX	<0.300	0.300	10/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16400	16.0	10/02/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	ed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	13.1	10.0	10/02/2023	ND	190	94.9	200	3.88	
DRO >C10-C28*	6110	10.0	10/02/2023	ND	192	96.1	200	1.20	
EXT DRO >C28-C36	2110	10.0	10/02/2023	ND					
Surrogate: 1-Chlorooctane	113 %	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	218 9	% 49.1-14	8						

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/29/2023 Sampling Date: 09/28/2023

Reported: 10/05/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact Project Number: 15510 Sample Received By: Dionica Hinojos

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL # 18 @ 3' (H235330-06)

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	10/02/2023	ND	1.98	99.2	2.00	2.72	
Toluene*	<0.050	0.050	10/02/2023	ND	2.06	103	2.00	4.37	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	2.04	102	2.00	4.79	
Total Xylenes*	0.253	0.150	10/02/2023	ND	6.19	103	6.00	5.04	
Total BTEX	<0.300	0.300	10/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3200	16.0	10/02/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	'kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	21.8	10.0	10/02/2023	ND	190	94.9	200	3.88	
DRO >C10-C28*	6350	10.0	10/02/2023	ND	192	96.1	200	1.20	
EXT DRO >C28-C36	2150	10.0	10/02/2023	ND					
Surrogate: 1-Chlorooctane	103 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	181	% 49 1-14	8						

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/29/2023 Sampling Date: 09/28/2023

Reported: 10/05/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact Project Number: 15510 Sample Received By: Dionica Hinojos

Analyzed By: MS

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL # 19 @ 3' (H235330-07)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2023	ND	1.98	99.2	2.00	2.72	
Toluene*	<0.050	0.050	10/02/2023	ND	2.06	103	2.00	4.37	
Ethylbenzene*	0.051	0.050	10/02/2023	ND	2.04	102	2.00	4.79	
Total Xylenes*	0.598	0.150	10/02/2023	ND	6.19	103	6.00	5.04	
Total BTEX	0.649	0.300	10/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3680	16.0	10/02/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<100	100	10/03/2023	ND	190	94.9	200	3.88	
DRO >C10-C28*	15300	100	10/03/2023	ND	192	96.1	200	1.20	
EXT DRO >C28-C36	5570	100	10/03/2023	ND					
Surrogate: 1-Chlorooctane	129	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	539	% 49.1-14	8						

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/29/2023 Sampling Date: 09/28/2023

Reported: 10/05/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact Project Number: 15510 Sample Received By: Dionica Hinojos

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL # 20 @ 3' (H235330-08)

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	10/02/2023	ND	1.98	99.2	2.00	2.72	
Toluene*	<0.050	0.050	10/02/2023	ND	2.06	103	2.00	4.37	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	2.04	102	2.00	4.79	
Total Xylenes*	<0.150	0.150	10/02/2023	ND	6.19	103	6.00	5.04	
Total BTEX	<0.300	0.300	10/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5840	16.0	10/02/2023	ND	432	108	400	3.64	
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	10/03/2023	ND	190	94.9	200	3.88	
DRO >C10-C28*	39.4	10.0	10/03/2023	ND	192	96.1	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					
Surrogate: 1-Chlorooctane	116 %	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	136 9	% 49.1-14	8						

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/29/2023 Sampling Date: 09/28/2023

Reported: 10/05/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact Project Number: 15510 Sample Received By: Dionica Hinojos

Applyzod By: MC

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL # 21 @ 3' (H235330-09)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2023	ND	1.98	99.2	2.00	2.72	
Toluene*	<0.050	0.050	10/02/2023	ND	2.06	103	2.00	4.37	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	2.04	102	2.00	4.79	
Total Xylenes*	<0.150	0.150	10/02/2023	ND	6.19	103	6.00	5.04	
Total BTEX	<0.300	0.300	10/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11000	16.0	10/02/2023	ND	432	108	400	3.64	
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	10/02/2023	ND	190	94.9	200	3.88	
DRO >C10-C28*	1180	10.0	10/02/2023	ND	192	96.1	200	1.20	
EXT DRO >C28-C36	625	10.0	10/02/2023	ND					
Surrogate: 1-Chlorooctane	111	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	142	% 49.1-14	8						

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Dionica Hinojos

Sample Received By:

#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/29/2023 Sampling Date: 09/28/2023

Reported: 10/05/2023 Sampling Type: Soil
Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact

Project Number: 15510

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL # 22 @ 3' (H235330-10)

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	10/02/2023	ND	1.98	99.2	2.00	2.72	
Toluene*	<0.050	0.050	10/02/2023	ND	2.06	103	2.00	4.37	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	2.04	102	2.00	4.79	
Total Xylenes*	<0.150	0.150	10/02/2023	ND	6.19	103	6.00	5.04	
Total BTEX	<0.300	0.300	10/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	10/02/2023	ND	432	108	400	3.64	
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	10/02/2023	ND	190	94.9	200	3.88	
DRO >C10-C28*	151	10.0	10/02/2023	ND	192	96.1	200	1.20	
EXT DRO >C28-C36	66.2	10.0	10/02/2023	ND					
Surrogate: 1-Chlorooctane	99.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128	% 49.1-14	8						

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/29/2023 Sampling Date: 09/28/2023

Reported: 10/05/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: 15510 Sample Received By: Dionica Hinojos

Analyzed By: MS

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL # 23 @ 3' (H235330-11)

BTEX 8021B

	9/	9	7	7					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2023	ND	1.98	99.2	2.00	2.72	
Toluene*	<0.050	0.050	10/02/2023	ND	2.06	103	2.00	4.37	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	2.04	102	2.00	4.79	
Total Xylenes*	<0.150	0.150	10/02/2023	ND	6.19	103	6.00	5.04	
Total BTEX	<0.300	0.300	10/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7200	16.0	10/02/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2023	ND	190	94.9	200	3.88	
DRO >C10-C28*	10.8	10.0	10/02/2023	ND	192	96.1	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	10/02/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	126	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/29/2023 Sampling Date: 09/28/2023

Reported: 10/05/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact Project Number: Sample Received By: 15510 Dionica Hinojos

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL # 24 @ 3' (H235330-12)

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	10/02/2023	ND	1.98	99.2	2.00	2.72	
Toluene*	<0.050	0.050	10/02/2023	ND	2.06	103	2.00	4.37	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	2.04	102	2.00	4.79	
Total Xylenes*	<0.150	0.150	10/02/2023	ND	6.19	103	6.00	5.04	
Total BTEX	<0.300	0.300	10/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6800	16.0	10/02/2023	ND	400	100	400	3.92	QM-07
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	10/02/2023	ND	190	94.9	200	3.88	
DRO >C10-C28*	377	10.0	10/02/2023	ND	192	96.1	200	1.20	
EXT DRO >C28-C36	273	10.0	10/02/2023	ND					
Surrogate: 1-Chlorooctane	111 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	142 9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/29/2023 Sampling Date: 09/28/2023

Reported: 10/05/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact Project Number: 15510 Sample Received By: Dionica Hinojos

Applyzod By: MC

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL # 25 @ 3' (H235330-13)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2023	ND	1.98	99.2	2.00	2.72	
Toluene*	<0.050	0.050	10/02/2023	ND	2.06	103	2.00	4.37	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	2.04	102	2.00	4.79	
Total Xylenes*	<0.150	0.150	10/02/2023	ND	6.19	103	6.00	5.04	
Total BTEX	<0.300	0.300	10/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	21600	16.0	10/02/2023	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	10/02/2023	ND	190	94.9	200	3.88	
DRO >C10-C28*	2680	10.0	10/02/2023	ND	192	96.1	200	1.20	
EXT DRO >C28-C36	1230	10.0	10/02/2023	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	139	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/29/2023 Sampling Date: 09/28/2023

Reported: 10/05/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact Project Number: Sample Received By: 15510 Dionica Hinojos

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL # 26 @ 3' (H235330-14)

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	10/02/2023	ND	1.98	99.2	2.00	2.72	
Toluene*	<0.050	0.050	10/02/2023	ND	2.06	103	2.00	4.37	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	2.04	102	2.00	4.79	
Total Xylenes*	<0.150	0.150	10/02/2023	ND	6.19	103	6.00	5.04	
Total BTEX	<0.300	0.300	10/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15600	16.0	10/02/2023	ND	400	100	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2023	ND	190	94.9	200	3.88	
DRO >C10-C28*	3400	10.0	10/02/2023	ND	192	96.1	200	1.20	
EXT DRO >C28-C36	1390	10.0	10/02/2023	ND					
Surrogate: 1-Chlorooctane	110 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	149	% 49.1-14	8						

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/29/2023 Sampling Date: 09/28/2023

Reported: 10/05/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: 15510 Sample Received By: Dionica Hinojos

Analyzed By: MS

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL # 27 @ 3' (H235330-15)

BTEX 8021B

	9/	9	7	7					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2023	ND	1.98	99.2	2.00	2.72	
Toluene*	<0.050	0.050	10/02/2023	ND	2.06	103	2.00	4.37	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	2.04	102	2.00	4.79	
Total Xylenes*	<0.150	0.150	10/02/2023	ND	6.19	103	6.00	5.04	
Total BTEX	<0.300	0.300	10/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4640	16.0	10/02/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2023	ND	190	94.9	200	3.88	
DRO >C10-C28*	2050	10.0	10/02/2023	ND	192	96.1	200	1.20	
EXT DRO >C28-C36	840	10.0	10/02/2023	ND					
Surrogate: 1-Chlorooctane	115	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	158	% 49.1-14	8						

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/29/2023 Sampling Date: 09/28/2023

Reported: 10/05/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: 15510 Sample Received By: Dionica Hinojos

Applyzod By: MC

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL # 28 @ 6' (H235330-16)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2023	ND	1.98	99.2	2.00	2.72	
Toluene*	<0.050	0.050	10/02/2023	ND	2.06	103	2.00	4.37	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	2.04	102	2.00	4.79	
Total Xylenes*	<0.150	0.150	10/02/2023	ND	6.19	103	6.00	5.04	
Total BTEX	<0.300	0.300	10/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-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	10/02/2023	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	10/02/2023	ND	190	94.9	200	3.88	
DRO >C10-C28*	42.6	10.0	10/02/2023	ND	192	96.1	200	1.20	
EXT DRO >C28-C36	26.4	10.0	10/02/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128	% 49.1-14	8						

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/29/2023 Sampling Date: 09/28/2023

Reported: 10/05/2023 Sampling Type: Soil Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact

Sample Received By: Project Number: 15510 Dionica Hinojos

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL # 29 @ 3' (H235330-17)

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	10/02/2023	ND	1.98	99.2	2.00	2.72	
Toluene*	<0.050	0.050	10/02/2023	ND	2.06	103	2.00	4.37	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	2.04	102	2.00	4.79	
Total Xylenes*	<0.150	0.150	10/02/2023	ND	6.19	103	6.00	5.04	
Total BTEX	<0.300	0.300	10/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4640	16.0	10/02/2023	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	10/02/2023	ND	190	94.9	200	3.88	
DRO >C10-C28*	215	10.0	10/02/2023	ND	192	96.1	200	1.20	
EXT DRO >C28-C36	119	10.0	10/02/2023	ND					
Surrogate: 1-Chlorooctane	96.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124 9	% 49.1-14	8						

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/29/2023 Sampling Date: 09/28/2023

Reported: 10/05/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact Project Number: Sample Received By: 15510 Dionica Hinojos

Applyzod By: MC

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL # 30 @ 3' (H235330-18)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	еа ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2023	ND	1.98	99.2	2.00	2.72	
Toluene*	<0.050	0.050	10/02/2023	ND	2.06	103	2.00	4.37	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	2.04	102	2.00	4.79	
Total Xylenes*	<0.150	0.150	10/02/2023	ND	6.19	103	6.00	5.04	
Total BTEX	<0.300	0.300	10/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5360	16.0	10/02/2023	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2023	ND	190	94.9	200	3.88	
DRO >C10-C28*	276	10.0	10/02/2023	ND	192	96.1	200	1.20	
EXT DRO >C28-C36	153	10.0	10/02/2023	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	134	% 49.1-14	8						

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/29/2023 Sampling Date: 09/28/2023

Reported: 10/05/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: 15510 Sample Received By: Dionica Hinojos

Applyzod By: MC

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL # 31 @ 3' (H235330-19)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	еа ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2023	ND	1.98	99.2	2.00	2.72	
Toluene*	<0.050	0.050	10/02/2023	ND	2.06	103	2.00	4.37	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	2.04	102	2.00	4.79	
Total Xylenes*	<0.150	0.150	10/02/2023	ND	6.19	103	6.00	5.04	
Total BTEX	<0.300	0.300	10/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8800	16.0	10/02/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2023	ND	190	94.9	200	3.88	
DRO >C10-C28*	69.4	10.0	10/02/2023	ND	192	96.1	200	1.20	
EXT DRO >C28-C36	46.9	10.0	10/02/2023	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	125	% 49.1-14	8						

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/29/2023 Sampling Date: 09/28/2023

Reported: 10/05/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: 15510 Sample Received By: Dionica Hinojos

Applyzod By: MC

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL # 32 @ 3' (H235330-20)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2023	ND	1.98	99.2	2.00	2.72	
Toluene*	<0.050	0.050	10/02/2023	ND	2.06	103	2.00	4.37	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	2.04	102	2.00	4.79	
Total Xylenes*	<0.150	0.150	10/02/2023	ND	6.19	103	6.00	5.04	
Total BTEX	<0.300	0.300	10/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13800	16.0	10/02/2023	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	10/02/2023	ND	190	94.9	200	3.88	
DRO >C10-C28*	614	10.0	10/02/2023	ND	192	96.1	200	1.20	QM-07
EXT DRO >C28-C36	337	10.0	10/02/2023	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	137	% 49.1-14	8						

\*=Accredited Analyte

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#### **Notes and Definitions**

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Freene

Released to Imaging: 4/29/2025 9:18:52 AM



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name:	Etech Environmental							18" - 1" 5k		BI	LL TO		1			-	ANALYSI	S REQ	UEST	
Project Manager	: Joel Lowry							P.O	. #:						-					
Address: 2617	7 W Marland Blvd							Cor	npan	y:	Solaris Midstrea	m /	1							
City: Hobbs	State: NM	Zip	: 8	824	0			Attr	1: R	ob Kir	k									
Phone #: 575-	396-2378 Fax #: 575-396-14	29						Add	iress	AW.										
Project #: 155	10 Project Owner:	30	ians v	LL(		uea		City	/:	,										
Project Name:	Lobo 285 SWD Water Reuse							Sta	te:		Zip:	01.1								
Project Location	: UL/ A Sec 22 T25S - R28E							Pho	one #	: 1			1							
Sampler Name:	Acron Rids							Fax					1			1 1				
FOR LAB USE ONLY			П		MA	TRIX	(		PRES	ERV.	SAMPLI	VG	1							
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:	DATE	TIME	Chloride	ТРН	BTEX 8021	1				
Ť	FL# 13 @ 3'	X			X					X	9/28/23		X	X	X	1				
2	FL# 14 @ 3'	1	Ц		1						i		1	1	1	1				
3	FL # 15 60 3'		Ц		1						444									
4	FL # 16 @ 3!	1											11							
5	FL #17 @ 3'						,			1										
6	FL # 18 60 3'												j.							
7	FL #19 @ 3'																			
8	FL # 20 6 31		П																	
9	FL # 21 @ 3'		П								1/	-			1					
(1)	FZ # 22 @ 3'	U			U				1	1	V		U	V	0					

4 1

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Relinquished By:	Pate! 292 Receive	red By:	Phone Result:	☐ Yes ☐ No☐ Yes ☐ No☐	Add'l Phone #: Add'l Fax #:
Accr KibS Relinquished By:	Date: Receiv	ed By:	REMARKS	Email results to	pm@etechenv.com
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	-9.3°C	Sample Condition CHECKED B Cool Intact (Initials) No No No	Y:	t	

<sup>†</sup> Cardinal cannot accept verbal changes. Piease fax written changes to 575-393-2476 FORM-006 R 2.0

Released to Imaging: 4/29/2025 9:18:52 AM

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name:	Etech Environm	ental							D TO		BI	LL TO						1	ANALYSI	S RI	EQUES	T	
Project Manager	: Joel Lowry								P.C	). #:				Т	T								
Address: 2617	7 W Marland Blvd							A	Col	mpar	ıy:	Solaris Midstrea	am A										
City: Hobbs		State: NM	Zip	: 8	3824	0		11	Att	n: R	ob Ki	rk	,	1									
Phone #: 575-	-396-2378	Fax #: 575-396-14	29						Ade	dress	s:			1									
Project #: 155	10	Project Owner:	30	ians	LL		urea		Cit	y:				1									
Project Name:	Lobo 285 SWD Wa	ter Reuse							Sta	te:		Zip:	1										
	: UL/ A Sec 22 T								Ph	one #	te .		1	1									
Sampler Name:									Fax	(#:	17												
FOR LAB USE ONLY				П		MA	TRI)	(		PRES	SERV	SAMPLI	NG	1									
Lab I.D.	Sampl	e I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:	DATE	TIME	Chloride	aniono	ТРН	BTEX 8021						
()	FL# 23 6 3		X	Ц		X					X	9/28/3	1	1	X	X	X	1					
12	PL# 24@3		1	Ц		1								1/1									
13	FL # 25 @ 3		Ш	Ц		1								11				1					
14	FL # 26 @ 3	3'		Ш			_				1												
15	FL # 276 3	3		Ц																			
16	FL # 28 @ 6	5	Ц	Ц		1				Щ								1					
17	FL # 29 @ 3	3,	1	Ц		1				Щ							1						
IB	FL #30 @:	3'	1					4															
19	FL# 31 6	3'	1			1		79				W	S	1	,	1	1						
20	凡井 32 包	3 Ind client's exclusive remedy for an	V			V					<b>V</b>	V		1		V	V						

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Relinquished By:	Date: 9/29/23 Received	ved By:		Phone Result: Fax Result:	☐ Yes	□ No	Add'I Phone #: Add'I Fax #:
According Relinquished By:	Date: Receive	ved By:	,	REMARKS:	Email re	esults to	pm@etechenv.com
Delivered By: (Circle One)	-9.3°2 #140	Sample Condition Cool Intact Yes Yes No No	CHECKED BY: (Initials)	. *			

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



October 11, 2023

JOEL LOWRY
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: LOBO 285 SWD WATER REUSE

Enclosed are the results of analyses for samples received by the laboratory on 10/06/23 16:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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)

Celey D. Keine

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. Keene

Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/06/2023 Sampling Date: 10/06/2023

Reported: 10/11/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: Sample Received By: Shari Cisneros

Analyzed By: JH

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

mg/kg

#### Sample ID: FL 48 @ 6 IN. (H235472-01)

BTEX 8021B

BIEX GOEED	9/	119	Andryzo	u 5 y 1 51 1					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2023	ND	2.04	102	2.00	5.14	
Toluene*	<0.050	0.050	10/09/2023	ND	2.01	100	2.00	5.50	
Ethylbenzene*	<0.050	0.050	10/09/2023	ND	2.10	105	2.00	5.31	
Total Xylenes*	<0.150	0.150	10/09/2023	ND	6.18	103	6.00	5.62	
Total BTEX	<0.300	0.300	10/09/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500CI-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	10/10/2023	ND	416	104	400	3.77	
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	10/09/2023	ND	213	106	200	4.58	
DRO >C10-C28*	<10.0	10.0	10/09/2023	ND	228	114	200	5.67	
EXT DRO >C28-C36	<10.0	10.0	10/09/2023	ND					
Surrogate: 1-Chlorooctane	83.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.3	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/06/2023 Sampling Date: 10/06/2023

Reported: 10/11/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: Sample Received By: Shari Cisneros

Analyzed By: JH

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL 49 @ 6 IN. (H235472-02)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2023	ND	2.04	102	2.00	5.14	
Toluene*	<0.050	0.050	10/09/2023	ND	2.01	100	2.00	5.50	
Ethylbenzene*	<0.050	0.050	10/09/2023	ND	2.10	105	2.00	5.31	
Total Xylenes*	<0.150	0.150	10/09/2023	ND	6.18	103	6.00	5.62	
Total BTEX	<0.300	0.300	10/09/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7460	16.0	10/10/2023	ND	416	104	400	3.77	
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	10/09/2023	ND	200	100	200	3.96	
DRO >C10-C28*	<10.0	10.0	10/09/2023	ND	215	107	200	3.80	
EXT DRO >C28-C36	<10.0	10.0	10/09/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/06/2023 Sampling Date: 10/06/2023

Reported: 10/11/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: Sample Received By: Shari Cisneros

Analyzed By: JH

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL 50 @ 6 IN. (H235472-03)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2023	ND	2.04	102	2.00	5.14	
Toluene*	<0.050	0.050	10/09/2023	ND	2.01	100	2.00	5.50	
Ethylbenzene*	<0.050	0.050	10/09/2023	ND	2.10	105	2.00	5.31	
Total Xylenes*	<0.150	0.150	10/09/2023	ND	6.18	103	6.00	5.62	
Total BTEX	<0.300	0.300	10/09/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7600	16.0	10/10/2023	ND	416	104	400	3.77	
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	10/09/2023	ND	200	100	200	3.96	
DRO >C10-C28*	<10.0	10.0	10/09/2023	ND	215	107	200	3.80	
EXT DRO >C28-C36	<10.0	10.0	10/09/2023	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

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Celeg & Frence



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/06/2023 Sampling Date: 10/06/2023

Reported: 10/11/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: Sample Received By: Shari Cisneros

Analyzed By: JH

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL 51 @ 6 IN. (H235472-04)

BTEX 8021B

very True Value QC RPD Qualifier 2.00 5.14 2.00 5.50
2.00 5.50
2.00 5.31
6.00 5.62
very True Value QC RPD Qualifie
400 3.77
very True Value QC RPD Qualifie
200 3.96
200 3.80
_

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/06/2023 Sampling Date: 10/06/2023

Reported: 10/11/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: Sample Received By: Shari Cisneros

Analyzed By: JH

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL 52 @ 6 IN. (H235472-05)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2023	ND	2.04	102	2.00	5.14	
Toluene*	<0.050	0.050	10/09/2023	ND	2.01	100	2.00	5.50	
Ethylbenzene*	<0.050	0.050	10/09/2023	ND	2.10	105	2.00	5.31	
Total Xylenes*	<0.150	0.150	10/09/2023	ND	6.18	103	6.00	5.62	
Total BTEX	<0.300	0.300	10/09/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13300	16.0	10/10/2023	ND	416	104	400	3.77	
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	10/09/2023	ND	205	102	200	6.36	
DRO >C10-C28*	<10.0	10.0	10/09/2023	ND	206	103	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	10/09/2023	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/06/2023 Sampling Date: 10/06/2023

Reported: 10/11/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: Sample Received By: Shari Cisneros

Analyzed By: JH

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL 53 @ 6 IN. (H235472-06)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2023	ND	2.04	102	2.00	5.14	
Toluene*	<0.050	0.050	10/09/2023	ND	2.01	100	2.00	5.50	
Ethylbenzene*	<0.050	0.050	10/09/2023	ND	2.10	105	2.00	5.31	
Total Xylenes*	<0.150	0.150	10/09/2023	ND	6.18	103	6.00	5.62	
Total BTEX	<0.300	0.300	10/09/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7330	16.0	10/10/2023	ND	416	104	400	3.77	
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	10/09/2023	ND	205	102	200	6.36	
DRO >C10-C28*	<10.0	10.0	10/09/2023	ND	206	103	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	10/09/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/06/2023 Sampling Date: 10/06/2023

Reported: 10/11/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: Sample Received By: Shari Cisneros

Analyzed By: MS

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL 54 @ 6 IN. (H235472-07)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2023	ND	2.03	102	2.00	1.65	
Toluene*	<0.050	0.050	10/09/2023	ND	2.06	103	2.00	1.20	
Ethylbenzene*	<0.050	0.050	10/09/2023	ND	1.96	97.9	2.00	1.54	
Total Xylenes*	<0.150	0.150	10/09/2023	ND	5.85	97.4	6.00	1.12	
Total BTEX	<0.300	0.300	10/09/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.7	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10400	16.0	10/10/2023	ND	416	104	400	3.77	
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	10/09/2023	ND	205	102	200	6.36	
DRO >C10-C28*	<10.0	10.0	10/09/2023	ND	206	103	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	10/09/2023	ND					
Surrogate: 1-Chlorooctane	94.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.0	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Analyzed By: MS

Fax To:

Received: 10/06/2023 Sampling Date: 10/06/2023

Reported: 10/11/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: Sample Received By: Shari Cisneros

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL 55 @ 6 IN. (H235472-08)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2023	ND	2.03	102	2.00	1.65	
Toluene*	<0.050	0.050	10/09/2023	ND	2.06	103	2.00	1.20	
Ethylbenzene*	<0.050	0.050	10/09/2023	ND	1.96	97.9	2.00	1.54	
Total Xylenes*	<0.150	0.150	10/09/2023	ND	5.85	97.4	6.00	1.12	
Total BTEX	<0.300	0.300	10/09/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9200	16.0	10/10/2023	ND	416	104	400	3.77	
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	10/09/2023	ND	205	102	200	6.36	
DRO >C10-C28*	<10.0	10.0	10/09/2023	ND	206	103	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	10/09/2023	ND					
Surrogate: 1-Chlorooctane	82.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.7	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/06/2023 Sampling Date: 10/06/2023

Reported: 10/11/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: Sample Received By: Shari Cisneros

Analyzed By: MS

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL 2 @ 6 IN. (H235472-09)

BTEX 8021B

	9,	9	7	7					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2023	ND	2.03	102	2.00	1.65	
Toluene*	<0.050	0.050	10/09/2023	ND	2.06	103	2.00	1.20	
Ethylbenzene*	<0.050	0.050	10/09/2023	ND	1.96	97.9	2.00	1.54	
Total Xylenes*	<0.150	0.150	10/09/2023	ND	5.85	97.4	6.00	1.12	
Total BTEX	<0.300	0.300	10/09/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.1	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	10/10/2023	ND	416	104	400	3.77	
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	10/09/2023	ND	205	102	200	6.36	
DRO >C10-C28*	<10.0	10.0	10/09/2023	ND	206	103	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	10/09/2023	ND					
Surrogate: 1-Chlorooctane	93.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.5	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/06/2023 Sampling Date: 10/06/2023

Reported: 10/11/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: Sample Received By: Shari Cisneros

Analyzed By: MS

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL 8 @ 6 IN. (H235472-10)

BTEX 8021B

	9/	9	7111411720						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2023	ND	2.03	102	2.00	1.65	
Toluene*	<0.050	0.050	10/09/2023	ND	2.06	103	2.00	1.20	
Ethylbenzene*	<0.050	0.050	10/09/2023	ND	1.96	97.9	2.00	1.54	
Total Xylenes*	<0.150	0.150	10/09/2023	ND	5.85	97.4	6.00	1.12	
Total BTEX	<0.300	0.300	10/09/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.6	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	10/10/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2023	ND	205	102	200	6.36	
DRO >C10-C28*	<10.0	10.0	10/09/2023	ND	206	103	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	10/09/2023	ND					
Surrogate: 1-Chlorooctane	90.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.0	% 49.1-14	8						

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/06/2023 Sampling Date: 10/06/2023

Reported: 10/11/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: Sample Received By: Shari Cisneros

Analyzed By: MS

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

mg/kg

#### Sample ID: FL 10 @ 6 IN. (H235472-11)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2023	ND	2.03	102	2.00	1.65	
Toluene*	<0.050	0.050	10/09/2023	ND	2.06	103	2.00	1.20	
Ethylbenzene*	<0.050	0.050	10/09/2023	ND	1.96	97.9	2.00	1.54	
Total Xylenes*	<0.150	0.150	10/09/2023	ND	5.85	97.4	6.00	1.12	
Total BTEX	<0.300	0.300	10/09/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	10/10/2023	ND	416	104	400	3.77	
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	10/09/2023	ND	205	102	200	6.36	
DRO >C10-C28*	<10.0	10.0	10/09/2023	ND	206	103	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	10/09/2023	ND					
Surrogate: 1-Chlorooctane	86.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.1	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/06/2023 Sampling Date: 10/06/2023

Reported: 10/11/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: Sample Received By: Shari Cisneros

Analyzed By: MS

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL 11 @ 6 IN. (H235472-12)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2023	ND	2.03	102	2.00	1.65	
Toluene*	<0.050	0.050	10/09/2023	ND	2.06	103	2.00	1.20	
Ethylbenzene*	<0.050	0.050	10/09/2023	ND	1.96	97.9	2.00	1.54	
Total Xylenes*	<0.150	0.150	10/09/2023	ND	5.85	97.4	6.00	1.12	
Total BTEX	<0.300	0.300	10/09/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.2	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	10/10/2023	ND	416	104	400	3.77	
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	10/09/2023	ND	205	102	200	6.36	
DRO >C10-C28*	<10.0	10.0	10/09/2023	ND	206	103	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	10/09/2023	ND					
Surrogate: 1-Chlorooctane	90.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.9	% 49.1-14	8						

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/06/2023 Sampling Date: 10/06/2023

Reported: 10/11/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: Sample Received By: Shari Cisneros

Analyzed By: MS

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL 12 @ 6 IN. (H235472-13)

BTEX 8021B

	<u> </u>			• •					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2023	ND	2.03	102	2.00	1.65	
Toluene*	<0.050	0.050	10/09/2023	ND	2.06	103	2.00	1.20	
Ethylbenzene*	<0.050	0.050	10/09/2023	ND	1.96	97.9	2.00	1.54	
Total Xylenes*	<0.150	0.150	10/09/2023	ND	5.85	97.4	6.00	1.12	
Total BTEX	<0.300	0.300	10/09/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.5	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	10/10/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2023	ND	205	102	200	6.36	
DRO >C10-C28*	<10.0	10.0	10/09/2023	ND	206	103	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	10/09/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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#### **Notes and Definitions**

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

Cardinal Laboratories \*=Accredited Analyte

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# **CARDINAL** Laboratories

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (ETE) 202 2220 EAV (ETE) 202 2470

Company Name	: Etech Environn	nental									BI	LL TO							ANA	LYSIS	REC	QUEST			
Project Manage	r: Joel Lowry								P.O.	#:	۵.				Т			T							
Address: 261	7 W Marland Blvd								Com	pan	y:	Solaris Midstrea	m	1											
City: Hobbs		State: NM	Zip	: 8	3824	0			Attn	: R	ob Kir	k		1											
Phone #: 575	5-396-2378	Fax #: 575-396-14							Add	ress													- 1		
Project #: 155	510	Project Owner:	30	ans v	LL		uea		City					1											
Project Name:	Lobo 285 SWD Wa	ter Reuse							State	<b>9</b> :		Zip:													
	n: UL/ A Sec 22 T								Pho	ne #	:							1/3							
Sampler Name:	Dominic C	asavez							Fax				Title:	1				1					- 1		
FOR LAB USE ONLY				П		MA	TRIX		P	RES	ERV.	SAMPLI	NG	11										- 1	
Lab I.D.	Sampl	e I.D.	(G)RAB OR (C)ON	# CONTAINERS	WASTEWATER	SOIL	O)IL	SLUDGE	OTHER:	ACID/BASE	QTHER:	DATE	TIME	Chloride	1	TPH	BTEX 8021								
De/	FL 48 6 6:1		C	1		1		A				ple		IV	X	1	V								
3M71/1	FL 49 & 6 i.		1	4		1				-		,		1			1								
3	FL 50 66 i.		Ш	Ш						1				11	1										
4	FL51 66 in			Ш		1								11											
5	FL 52 66 in		Ш	Ш		1	-							Ш			Ц								
9	FL 53 66 in			Ш		11			$\perp$	1				17											
/	FL 64 6 6 11		L	Ш					4		4			11	1		Ш	$\perp$							
8	FL 55 e 6 m		1	Ш										11											
9	El 2 C6 in			14		1						1			Ц,	1/									
10	EL 8 @ 6 14		LA.	V		0				1	U			IV		V	0								

service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profils incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise

Relinquished By:	Date: 10-6	Received By:	Phone Result:    Yes    No Add'l Phone #:
Die Ar	Time: 15	Mari Concres	Fax Result:
Relinquished By:	Date: Time:	Received By:	* customer ordala sample
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	8:	Sample Condition CHECKED Cool Intact Yes Yes No No	

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

Released to Imaging: 4/29/2025 9:18:52 AM



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name	: Etech Environm	ental							BI	LL TO						ANAL	YSIS	REQ	UEST			
Project Manage	r: Joel Lowry						F	.0.#														
Address: 261	7 W Marland Blvd						c	omp	any:	Solaris Midstre	am											
City: Hobbs		State: NM	Zip:	88	3240		A	ttn:	Rob Ki	rk		]								1		
Phone #: 575	-396-2378	Fax #: 575-396	1429					ddre	ss:													
Project #: 155	10	Project Owner:	3018		LLC	isuea	", c	ity:		9												
Project Name:	Lobo 285 SWD Wat	ter Reuse					S	tate:		Zip:	1 = 35		17									
Project Location	: UL/ A Sec 22 T2				-		P	hone	#:		0 -		2					. 1				
Sampler Name:	Domin	ic Casave	七				_	ax#:	_		0.7	A					- 1					
FOR LAB USE ONLY				-	M	ATRIX		PR	ESERV.	SAMPL	ING	"										
Lab I.D.	Sample	e I.D.	(G)RAB OR (C)OMP	# CONTAINERS GROUNDWATER			SLUDGE	ACID/BASE:	ICE / COOL STHER:	DATE	TIME	Chloride	HOH.	BKEX 8021	/							
DCII	FL 10 @ 6 i	n	C	1	8	/			1	10-6		~	V	V	/							
13	FL 17@6in		C	(				+	V	V		V	V	1							+	+
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			$\parallel$	1				1														
	d Damages Cardinal's liability an										1											

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Relinquished By:	Date: 10-6	Received By:		Phone Result: Fax Result:	☐ Yes	□ No	Add'I Phone #: Add'I Fax #:
Relinquished By:	Time:	Réceived By:	resos	REMARKS:	Email re	sults to	pm@etechenv.com
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	5-82	Sample Condition Coof Intact V Yes Ves No No	CHECKED BY:			1	

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



October 12, 2023

JOEL LOWRY
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: LOBO 285 SWD WATER REUSE

Enclosed are the results of analyses for samples received by the laboratory on 10/09/23 16:18.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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)

Celey D. Keine

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. Keene

Lab Director/Quality Manager



10/09/2023

Soil

#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 10/09/2023 Sampling Date: Reported: 10/12/2023 Sampling Type:

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact Project Number: 15510 Sample Received By: Dionica Hinojos

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL 13 @ 6 IN. (H235496-01)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2023	ND	2.00	99.9	2.00	3.89	
Toluene*	<0.050	0.050	10/10/2023	ND	1.99	99.7	2.00	5.12	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	6.09	101	6.00	4.92	
Total BTEX	<0.300	0.300	10/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3000	16.0	10/10/2023	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	10/10/2023	ND	202	101	200	0.980	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	208	104	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					
Surrogate: 1-Chlorooctane	87.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene

S-04



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

#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/09/2023 Sampling Date: 10/09/2023

Reported: 10/12/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: 15510 Sample Received By: Dionica Hinojos

Applyzod By: 14

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL 16 @ 6 IN. (H235496-02)

RTFY 8021R

B1EX 8021B	mg	/ <b>kg</b>	Anaiyze	а ву: ЈН					5-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2023	ND	2.00	99.9	2.00	3.89	
Toluene*	<0.050	0.050	10/10/2023	ND	1.99	99.7	2.00	5.12	GC-NC
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.05	102	2.00	4.50	GC-NC
Total Xylenes*	0.185	0.150	10/10/2023	ND	6.09	101	6.00	4.92	GC-NC1
Total BTEX	<0.300	0.300	10/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	161	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1360	16.0	10/10/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	86.2	10.0	10/10/2023	ND	202	101	200	0.980	
DRO >C10-C28*	1330	10.0	10/10/2023	ND	208	104	200	1.63	
EXT DRO >C28-C36	361	10.0	10/10/2023	ND					
Surrogate: 1-Chlorooctane	85.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	131	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/09/2023 Sampling Date: 10/09/2023

Reported: 10/12/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: 15510 Sample Received By: Dionica Hinojos

Applyzod By: 14

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL 17 @ 6 IN. (H235496-03)

RTFY 8021R

BIEX 8021B	тд/кд		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2023	ND	2.00	99.9	2.00	3.89	
Toluene*	<0.050	0.050	10/10/2023	ND	1.99	99.7	2.00	5.12	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	6.09	101	6.00	4.92	
Total BTEX	<0.300	0.300	10/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 % 71.5-13		4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	10/10/2023	ND	432	108	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	10/10/2023	ND	202	101	200	0.980	
DRO >C10-C28*	13.3	10.0	10/10/2023	ND	208	104	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					
Surrogate: 1-Chlorooctane	73.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.0	% 49.1-14	8						

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Celey D. Keene

C-04



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

#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/09/2023 Sampling Date: 10/09/2023

Reported: 10/12/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: 15510 Sample Received By: Dionica Hinojos

Applyzod By: 14

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL 18 @ 6 IN. (H235496-04)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH					5-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2023	ND	2.00	99.9	2.00	3.89	
Toluene*	<0.050	0.050	10/10/2023	ND	1.99	99.7	2.00	5.12	GC-NC
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.05	102	2.00	4.50	GC-NC
Total Xylenes*	0.232	0.150	10/10/2023	ND	6.09	101	6.00	4.92	GC-NC1
Total BTEX	<0.300	0.300	10/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	171	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	10/10/2023	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*	94.2	10.0	10/10/2023	ND	202	101	200	0.980	
DRO >C10-C28*	1670	10.0	10/10/2023	ND	208	104	200	1.63	
EXT DRO >C28-C36	438	10.0	10/10/2023	ND					
Surrogate: 1-Chlorooctane	89.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.6	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/09/2023 Sampling Date: 10/09/2023

Reported: 10/12/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: 15510 Sample Received By: Dionica Hinojos

Analyzed By: JH

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL 19 @ 6 IN. (H235496-05)

BTEX 8021B

		<u> </u>							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2023	ND	2.00	99.9	2.00	3.89	
Toluene*	<0.050	0.050	10/10/2023	ND	1.99	99.7	2.00	5.12	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	6.09	101	6.00	4.92	
Total BTEX	<0.300	0.300	10/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5840	16.0	10/10/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2023	ND	202	101	200	0.980	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	208	104	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					
Surrogate: 1-Chlorooctane	85.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/09/2023 Sampling Date: 10/09/2023

Reported: 10/12/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact Project Number: 15510 Sample Received By: Dionica Hinojos

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL 21 @ 6 IN. (H235496-06)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2023	ND	2.00	99.9	2.00	3.89	
Toluene*	<0.050	0.050	10/10/2023	ND	1.99	99.7	2.00	5.12	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	6.09	101	6.00	4.92	
Total BTEX	<0.300	0.300	10/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6240	16.0	10/10/2023	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	10/10/2023	ND	202	101	200	0.980	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	208	104	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					
Surrogate: 1-Chlorooctane	87.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/09/2023 Sampling Date: 10/09/2023

Reported: 10/12/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: 15510 Sample Received By: Dionica Hinojos

Analyzed By: JH

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL 25 @ 1 FT (H235496-07)

BTEX 8021B

	9/	9	7111411720	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2023	ND	2.00	99.9	2.00	3.89	
Toluene*	<0.050	0.050	10/10/2023	ND	1.99	99.7	2.00	5.12	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	6.09	101	6.00	4.92	
Total BTEX	<0.300	0.300	10/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4640	16.0	10/10/2023	ND	432	108	400	3.64	QM-07
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2023	ND	202	101	200	0.980	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	208	104	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					
Surrogate: 1-Chlorooctane	88.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/09/2023 Sampling Date: 10/09/2023

Reported: 10/12/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: 15510 Sample Received By: Dionica Hinojos

Analyzed By: JH

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL 26 @ 1FT (H235496-08)

BTEX 8021B

	9/	9	7	w = y : 5 : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2023	ND	2.00	99.9	2.00	3.89	
Toluene*	<0.050	0.050	10/10/2023	ND	1.99	99.7	2.00	5.12	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	6.09	101	6.00	4.92	
Total BTEX	<0.300	0.300	10/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	10/10/2023	ND	432	108	400	3.64	
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	10/10/2023	ND	202	101	200	0.980	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	208	104	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					
Surrogate: 1-Chlorooctane	90.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Celey & Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/09/2023 Sampling Date: 10/09/2023

Reported: 10/12/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: 15510 Sample Received By: Dionica Hinojos

Analyzed By: JH

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL 27 @ 1FT (H235496-09)

BTEX 8021B

DIEX GOZID	11197	, kg	Alldiyzo	a by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2023	ND	2.00	99.9	2.00	3.89	
Toluene*	<0.050	0.050	10/10/2023	ND	1.99	99.7	2.00	5.12	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	6.09	101	6.00	4.92	
Total BTEX	<0.300	0.300	10/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4880	16.0	10/10/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2023	ND	202	101	200	0.980	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	208	104	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					
Surrogate: 1-Chlorooctane	85.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/09/2023 Sampling Date: 10/09/2023

Reported: 10/12/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact Project Number: 15510 Sample Received By: Dionica Hinojos

Applyzod By: 14

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL 6 @ 3 IN. (H235496-10)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2023	ND	2.00	99.9	2.00	3.89	
Toluene*	<0.050	0.050	10/10/2023	ND	1.99	99.7	2.00	5.12	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	6.09	101	6.00	4.92	
Total BTEX	<0.300	0.300	10/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.4	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9330	16.0	10/10/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2023	ND	202	101	200	0.980	
DRO >C10-C28*	294	10.0	10/10/2023	ND	208	104	200	1.63	
EXT DRO >C28-C36	71.7	10.0	10/10/2023	ND					
Surrogate: 1-Chlorooctane	92.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.5	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/09/2023 Sampling Date: 10/09/2023

Reported: 10/12/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact Project Number: 15510 Sample Received By: Dionica Hinojos

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL 7 @ 3 IN. (H235496-11)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2023	ND	2.00	99.9	2.00	3.89	
Toluene*	<0.050	0.050	10/10/2023	ND	1.99	99.7	2.00	5.12	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	6.09	101	6.00	4.92	
Total BTEX	<0.300	0.300	10/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/10/2023	ND	432	108	400	3.64	
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	10/10/2023	ND	202	101	200	0.980	
DRO >C10-C28*	269	10.0	10/10/2023	ND	208	104	200	1.63	
EXT DRO >C28-C36	149	10.0	10/10/2023	ND					
Surrogate: 1-Chlorooctane	84.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 9	% 49.1-14	8						

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Dionica Hinojos

#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Analyzed By: 14

Fax To:

Received: 10/09/2023 Sampling Date: 10/09/2023

Reported: 10/12/2023 Sampling Type: Soil
Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition:
Project Number: 15510 Sample Received By:

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

ma/ka

#### Sample ID: NW1 (H235496-12)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2023	ND	2.00	99.9	2.00	3.89	
Toluene*	<0.050	0.050	10/10/2023	ND	1.99	99.7	2.00	5.12	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	6.09	101	6.00	4.92	
Total BTEX	<0.300	0.300	10/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	22800	16.0	10/10/2023	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2023	ND	202	101	200	0.980	
DRO >C10-C28*	33.8	10.0	10/10/2023	ND	208	104	200	1.63	
EXT DRO >C28-C36	15.4	10.0	10/10/2023	ND					
Surrogate: 1-Chlorooctane	85.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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Dionica Hinojos

Sample Received By:

#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/09/2023 Sampling Date: 10/09/2023

Reported: 10/12/2023 Sampling Type: Soil Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact

Project Number: 15510

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: SW1 (H235496-13)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2023	ND	2.00	99.9	2.00	3.89	
Toluene*	<0.050	0.050	10/10/2023	ND	1.99	99.7	2.00	5.12	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	6.09	101	6.00	4.92	
Total BTEX	<0.300	0.300	10/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.9	% 71.5-13	4						
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	10/10/2023	ND	432	108	400	3.64	
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	10/10/2023	ND	202	101	200	0.980	
DRO >C10-C28*	519	10.0	10/10/2023	ND	208	104	200	1.63	
EXT DRO >C28-C36	327	10.0	10/10/2023	ND					
Surrogate: 1-Chlorooctane	87.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.1	% 49.1-14	8						

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/09/2023 Sampling Date: 10/09/2023

Reported: 10/12/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: 15510 Sample Received By: Dionica Hinojos

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: WW1 (H235496-14)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2023	ND	2.00	99.9	2.00	3.89	
Toluene*	<0.050	0.050	10/10/2023	ND	1.99	99.7	2.00	5.12	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	6.09	101	6.00	4.92	
Total BTEX	<0.300	0.300	10/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7730	16.0	10/10/2023	ND	432	108	400	3.64	
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	10/10/2023	ND	202	101	200	0.980	
DRO >C10-C28*	26.7	10.0	10/10/2023	ND	208	104	200	1.63	
EXT DRO >C28-C36	14.6	10.0	10/10/2023	ND					
Surrogate: 1-Chlorooctane	82.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.6	% 49.1-14	8						

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/09/2023 Sampling Date: 10/09/2023

Reported: 10/12/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact Project Number: 15510 Sample Received By: Dionica Hinojos

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: WW2 (H235496-15)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2023	ND	2.00	99.9	2.00	3.89	
Toluene*	<0.050	0.050	10/10/2023	ND	1.99	99.7	2.00	5.12	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	6.09	101	6.00	4.92	
Total BTEX	<0.300	0.300	10/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5680	16.0	10/10/2023	ND	432	108	400	3.64	
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	10/10/2023	ND	202	101	200	0.980	
DRO >C10-C28*	276	10.0	10/10/2023	ND	208	104	200	1.63	
EXT DRO >C28-C36	151	10.0	10/10/2023	ND					
Surrogate: 1-Chlorooctane	88.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120 9	% 49.1-14	8						

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/09/2023 Sampling Date: 10/09/2023

Reported: 10/12/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: 15510 Sample Received By: Dionica Hinojos

Analyzed By: 14

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

ma/ka

#### Sample ID: EW1 (H235496-16)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2023	ND	2.00	99.9	2.00	3.89	
Toluene*	<0.050	0.050	10/10/2023	ND	1.99	99.7	2.00	5.12	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	6.09	101	6.00	4.92	
Total BTEX	<0.300	0.300	10/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	10/10/2023	ND	432	108	400	3.64	
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	10/10/2023	ND	202	101	200	0.980	
DRO >C10-C28*	286	10.0	10/10/2023	ND	208	104	200	1.63	
EXT DRO >C28-C36	117	10.0	10/10/2023	ND					
Surrogate: 1-Chlorooctane	91.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	125	% 49.1-14	8						

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Celey D. Keine



Dionica Hinojos

Sample Received By:

#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/09/2023 Sampling Date: 10/09/2023

Reported: 10/12/2023 Sampling Type: Soil
Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact

Project Number: 15510

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

mg/kg

Sample ID: EW2 (H235496-17)

BTEX 8021B

Analyte	Docult	Donorting Limit	Analyzod	Method Blank	BS	0/ Docover:	True Value CC	RPD	Qualifier
Analyte	Result	Reporting Limit	Analyzed	MEDIOU BIRIK	DS	% Recovery	True Value QC	KPD	Qualifier
Benzene*	<0.050	0.050	10/10/2023	ND	2.00	99.9	2.00	3.89	
Toluene*	<0.050	0.050	10/10/2023	ND	1.99	99.7	2.00	5.12	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	6.09	101	6.00	4.92	
Total BTEX	<0.300	0.300	10/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	26800	16.0	10/10/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2023	ND	202	101	200	0.980	
GRO C6-C10*  DRO >C10-C28*	<10.0 <b>118</b>	10.0 10.0	10/10/2023 10/10/2023	ND ND	202 208	101 104	200 200	0.980 1.63	

Analyzed By: JH

Surrogate: 1-Chlorooctane 88.5 % 48.2-134
Surrogate: 1-Chlorooctadecane 110 % 49.1-148

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Freene



#### **Notes and Definitions**

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

ecovery.

GC-NC1 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with

interfering compounds.

GC-NC 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.

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

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine

Released to Imaging: 4/29/2025 9:18:52 AM

# **CARDINAL** Laboratories

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name:	: Etech Environm	nental				1	BI	LL TO						ANALYSIS	REQUE	EST	
Project Manager	: Joel Lowry					P	.0.#:			11			-				
Address: 261	7 W Marland Blvd					c	ompany:	Solaris Midstre	am	]1							
City: Hobbs		State: NM	Zip:	88240	)	A	ttn: Rob Ki	rk									
	-396-2378	Fax #: 575-396-14	129				ddress:									1 1	
Project #: 155	10	Project Owner:	Solan	LLC	mustrea ;		ity:						1				
	Lobo 285 SWD Wa	ter Reuse				S	tate:	Zip:									
Project Location	: UL/ A Sec 22 T	25S - R28E				A P	hone #:		0		1						
Sampler Name:	Dominic	Casare 2				F	ax #:			<u>'</u>							
FOR LAB USE ONLY					MATRIX		PRESERV	SAMPL	NG	,							
#235496 Lab I.D.	Sampl	e I.D.	(G)RAB OR (C)OMP # CONTAINERS	GROUNDWATER	SOIL	SLUDGE	ACID/BASE: ICE / COCL OTHER:	DATE	TIME	Chloride	ТРН	BTEX 8021	/				
D( 1	FL 13 Q6;	n	CI					10-9		V	V	V					
2	FL 16 Q6	i M	111					1		1		1					
3	FL 17 @ 6	in					1			1	1	1					
4		in	HH					-		1	11		-				
		in	HH	-			111	H		11	-	1	-	-		-	
6	FL Z1 @ 6	in	1111	-	++-			H -	-			1	Ŧ			-	
7		ft C:	HH			++		H		1/4	++	1	-			-	
8	FL 26 @ 11	ft	11 11		+					11	11/	1					
(b)	EL 6 @ 311		1/11		1		1	1		1	JW	V					
PLEASE NOTE: Liability a		and client's exclusive remedy for a	ny claim aris	ing whether	based in cor	tract or t	ort, shall be limited t	o the amount paid	by the client for	the							

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 the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or expressors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 109-20	Received By:		Phone Result: Fax Result:	☐ Yes	□ No	Add'I Phone #: Add'I Fax #:
Relinquished By:	Time: 16:18  Date: Time:	Received By:		REMARKS:	Email re	sults to	pm@etechenv.com
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	3.3%	Sample Condition Cool Intact Yes Yes No No	CHECKED BY: (Initials)	1			

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

Company Name:	Etech Environmental	.,	BILL TO	ANALYSIS REQUEST
Project Manager:	Joel Lowry		P.O. #:	
Address: 2617	W Marland Blvd		Company: Solaris Midstream	
City: Hobbs	State: NM	Zip: 88240	Attn: Rob Kirk	
Phone #: 575-3	396-2378 Fax #: 575-396-14	129 Solans vvater ivilostrean	Address:	
Project #: 1551		LLC	City:	
	obo 285 SWD Water Reuse		State: Zip:	
Project Location:	UL/ A Sec 22 T25S - R28E		Phone #:	
Sampler Name:	Dominic Casaver		Fax #:	_
FOR LAB USE ONLY	-	MATRIX	PRESERV. SAMPLING	
H235496		(C)OMP.		
Lab I.D.	Sample I.D.	A N S I	SE:	de
		(G)RAB (B) CONTAGE (G)RAB (G) CONTAGE (G)	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	
		(G)R/ # CO GRO WAS SOIL OIL	DATE TIME	ME S H BH B
D( 11	703in	CI	1 10-7	7 7 7
12	NWI			
13	SWI			
14	WWI	11111		
15	WW2	1 1 1 1 1 1 1		
	EW2			
	L VV -			
	d Damages. Cardinal's liability and client's exclusive remedy for a			A !

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Relinquished By:	Date: 10-9	Received By:		Phone Result: Fax Result:	☐ Yes	□ No	Add'l Phone #: Add'l Fax #:
Relinquished By:	Date:	Received By:	A TOTAL CONTRACTOR	REMARKS:	Email re	esults to	pm@etechenv.com
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	3.300	Sample Condition Cool Intact Yes Yes No No	CHECKED BY: (Initials)	<b>A</b>			

Received by OCD: 12/5/2024 1:25:42 PM

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



October 19, 2023

JOEL LOWRY
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: LOBO 285 SWD WATER REUSE

Enclosed are the results of analyses for samples received by the laboratory on 10/13/23 16:18.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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.

Celey D. Keine

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. Keene

Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/13/2023 Sampling Date: 10/13/2023

Reported: 10/19/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact Project Number: 15510 Sample Received By: Tamara Oldaker

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL 96 @ 3 IN. (H235612-01)

BTEX 8021B	mg,	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2023	ND	1.98	99.1	2.00	3.34	
Toluene*	<0.050	0.050	10/16/2023	ND	1.92	96.1	2.00	5.49	
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	1.99	99.5	2.00	3.27	
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.82	97.0	6.00	5.17	
Total BTEX	<0.300	0.300	10/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	10/16/2023	ND	416	104	400	7.41	
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	10/15/2023	ND	195	97.3	200	0.415	
DRO >C10-C28*	<10.0	10.0	10/15/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	10/15/2023	ND					
Surrogate: 1-Chlorooctane	70.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.0	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/13/2023 Sampling Date: 10/13/2023

Reported: 10/19/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: 15510 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL 97 @ 3 IN. (H235612-02)

BTEX 8021B

	9/	9	7111411720						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2023	ND	1.98	99.1	2.00	3.34	
Toluene*	<0.050	0.050	10/16/2023	ND	1.92	96.1	2.00	5.49	
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	1.99	99.5	2.00	3.27	
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.82	97.0	6.00	5.17	
Total BTEX	<0.300	0.300	10/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	10/16/2023	ND	416	104	400	7.41	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2023	ND	195	97.3	200	0.415	
DRO >C10-C28*	<10.0	10.0	10/15/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	10/15/2023	ND					
Surrogate: 1-Chlorooctane	76.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.9	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/13/2023 Sampling Date: 10/13/2023

Reported: 10/19/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: 15510 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL 98 @ 3 IN. (H235612-03)

RTFY 8021R

B1EX 8021B	mg/	кg	Апанухе	а ву: мѕ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2023	ND	1.98	99.1	2.00	3.34	
Toluene*	<0.050	0.050	10/16/2023	ND	1.92	96.1	2.00	5.49	
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	1.99	99.5	2.00	3.27	
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.82	97.0	6.00	5.17	
Total BTEX	<0.300	0.300	10/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	10/16/2023	ND	416	104	400	7.41	
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	10/15/2023	ND	195	97.3	200	0.415	
DRO >C10-C28*	<10.0	10.0	10/15/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	10/15/2023	ND					
Surrogate: 1-Chlorooctane	80.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.1	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/13/2023 Sampling Date: 10/13/2023

Reported: 10/19/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: 15510 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

mg/kg

#### Sample ID: FL 99 @ 3 IN. (H235612-04)

BTEX 8021B

	9/	9	7111411720						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2023	ND	1.98	99.1	2.00	3.34	
Toluene*	<0.050	0.050	10/16/2023	ND	1.92	96.1	2.00	5.49	
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	1.99	99.5	2.00	3.27	
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.82	97.0	6.00	5.17	
Total BTEX	<0.300	0.300	10/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	10/16/2023	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2023	ND	195	97.3	200	0.415	
DRO >C10-C28*	<10.0	10.0	10/15/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	10/15/2023	ND					
Surrogate: 1-Chlorooctane	94.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/13/2023 Sampling Date: 10/13/2023

Reported: 10/19/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact Project Number: Sample Received By: 15510 Tamara Oldaker

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL 100 @ 3 IN. (H235612-05)

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	10/16/2023	ND	1.98	99.1	2.00	3.34	
Toluene*	<0.050	0.050	10/16/2023	ND	1.92	96.1	2.00	5.49	
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	1.99	99.5	2.00	3.27	
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.82	97.0	6.00	5.17	
Total BTEX	<0.300	0.300	10/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	121 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	10/16/2023	ND	416	104	400	7.41	
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	10/15/2023	ND	195	97.3	200	0.415	
DRO >C10-C28*	<10.0	10.0	10/15/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	10/15/2023	ND					
Surrogate: 1-Chlorooctane	89.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/13/2023 Sampling Date: 10/13/2023

Reported: 10/19/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: 15510 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

mg/kg

#### Sample ID: FL 101 @ 3 IN. (H235612-06)

BTEX 8021B

DILX OUZID	ıııg,	, kg	Alldiyzo	u by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2023	ND	1.98	99.1	2.00	3.34	
Toluene*	<0.050	0.050	10/16/2023	ND	1.92	96.1	2.00	5.49	
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	1.99	99.5	2.00	3.27	
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.82	97.0	6.00	5.17	
Total BTEX	<0.300	0.300	10/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	123	% 71.5-13	4						
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	10/16/2023	ND	416	104	400	7.41	
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	10/15/2023	ND	195	97.3	200	0.415	
DRO >C10-C28*	56.6	10.0	10/15/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	10/15/2023	ND					
Surrogate: 1-Chlorooctane	78.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.4	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/13/2023 Sampling Date: 10/13/2023

Reported: 10/19/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: 15510 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL 102 @ 3 IN. (H235612-07)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2023	ND	1.98	99.1	2.00	3.34	
Toluene*	<0.050	0.050	10/16/2023	ND	1.92	96.1	2.00	5.49	
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	1.99	99.5	2.00	3.27	
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.82	97.0	6.00	5.17	
Total BTEX	<0.300	0.300	10/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/16/2023	ND	416	104	400	7.41	
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	10/16/2023	ND	195	97.3	200	0.415	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					
Surrogate: 1-Chlorooctane	89.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.8	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/13/2023 Sampling Date: 10/13/2023

Reported: 10/19/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: 15510 Sample Received By: Tamara Oldaker

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL 103 @ 3 IN. (H235612-08)

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	10/16/2023	ND	1.98	99.1	2.00	3.34	
Toluene*	<0.050	0.050	10/16/2023	ND	1.92	96.1	2.00	5.49	
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	1.99	99.5	2.00	3.27	
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.82	97.0	6.00	5.17	
Total BTEX	<0.300	0.300	10/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	10/16/2023	ND	416	104	400	7.41	
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	10/16/2023	ND	195	97.3	200	0.415	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					
Surrogate: 1-Chlorooctane	69.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.8	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/13/2023 Sampling Date: 10/13/2023

Reported: 10/19/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: 15510 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

mg/kg

#### Sample ID: FL 104 @ 3 IN. (H235612-09)

BTEX 8021B

	9/	9	7111411720						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2023	ND	1.98	99.1	2.00	3.34	
Toluene*	<0.050	0.050	10/16/2023	ND	1.92	96.1	2.00	5.49	
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	1.99	99.5	2.00	3.27	
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.82	97.0	6.00	5.17	
Total BTEX	<0.300	0.300	10/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	10/16/2023	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	195	97.3	200	0.415	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					
Surrogate: 1-Chlorooctane	97.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/13/2023 Sampling Date: 10/13/2023

Reported: 10/19/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: 15510 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL 105 @ 3 IN. (H235612-10)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2023	ND	1.85	92.6	2.00	2.43	
Toluene*	<0.050	0.050	10/17/2023	ND	1.93	96.7	2.00	2.24	
Ethylbenzene*	<0.050	0.050	10/17/2023	ND	1.96	97.9	2.00	3.07	
Total Xylenes*	<0.150	0.150	10/17/2023	ND	5.85	97.5	6.00	2.02	
Total BTEX	<0.300	0.300	10/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	10/16/2023	ND	416	104	400	7.41	
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	10/16/2023	ND	195	97.3	200	0.415	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					
Surrogate: 1-Chlorooctane	111 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	125	% 49.1-14	8						

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/13/2023 Sampling Date: 10/13/2023

Reported: 10/19/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact Project Number: Sample Received By: 15510 Tamara Oldaker

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL 106 @ 3 IN. (H235612-11)

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	10/17/2023	ND	1.85	92.6	2.00	2.43	
Toluene*	<0.050	0.050	10/17/2023	ND	1.93	96.7	2.00	2.24	
Ethylbenzene*	<0.050	0.050	10/17/2023	ND	1.96	97.9	2.00	3.07	
Total Xylenes*	<0.150	0.150	10/17/2023	ND	5.85	97.5	6.00	2.02	
Total BTEX	<0.300	0.300	10/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	10/16/2023	ND	416	104	400	7.41	
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	10/16/2023	ND	195	97.3	200	0.415	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					
Surrogate: 1-Chlorooctane	89.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/13/2023 Sampling Date: 10/13/2023

Reported: 10/19/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: 15510 Sample Received By: Tamara Oldaker

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL 107 @ 3 IN. (H235612-12)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2023	ND	1.85	92.6	2.00	2.43	
Toluene*	<0.050	0.050	10/17/2023	ND	1.93	96.7	2.00	2.24	
Ethylbenzene*	<0.050	0.050	10/17/2023	ND	1.96	97.9	2.00	3.07	
Total Xylenes*	<0.150	0.150	10/17/2023	ND	5.85	97.5	6.00	2.02	
Total BTEX	<0.300	0.300	10/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	10/16/2023	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	195	97.3	200	0.415	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					
Surrogate: 1-Chlorooctane	110	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	125	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/13/2023 Sampling Date: 10/13/2023

Reported: 10/19/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact Project Number: Sample Received By: 15510 Tamara Oldaker

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL 108 @ 3 IN. (H235612-13)

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	10/17/2023	ND	1.85	92.6	2.00	2.43	
Toluene*	<0.050	0.050	10/17/2023	ND	1.93	96.7	2.00	2.24	
Ethylbenzene*	<0.050	0.050	10/17/2023	ND	1.96	97.9	2.00	3.07	
Total Xylenes*	<0.150	0.150	10/17/2023	ND	5.85	97.5	6.00	2.02	
Total BTEX	<0.300	0.300	10/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	10/16/2023	ND	416	104	400	7.41	
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	10/16/2023	ND	195	97.3	200	0.415	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					
Surrogate: 1-Chlorooctane	89.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/13/2023 Sampling Date: 10/13/2023

Reported: 10/19/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: 15510 Sample Received By: Tamara Oldaker

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL 109 @ 3 IN. (H235612-14)

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	10/17/2023	ND	1.85	92.6	2.00	2.43	
Toluene*	<0.050	0.050	10/17/2023	ND	1.93	96.7	2.00	2.24	
Ethylbenzene*	< 0.050	0.050	10/17/2023	ND	1.96	97.9	2.00	3.07	
Total Xylenes*	<0.150	0.150	10/17/2023	ND	5.85	97.5	6.00	2.02	
Total BTEX	<0.300	0.300	10/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	10/16/2023	ND	416	104	400	7.41	
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	10/16/2023	ND	195	97.3	200	0.415	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					
Surrogate: 1-Chlorooctane	91.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/13/2023 Sampling Date: 10/13/2023

Reported: 10/19/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: 15510 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL 16 @ 1 FT. (H235612-15)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	ea By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2023	ND	1.85	92.6	2.00	2.43	
Toluene*	<0.050	0.050	10/17/2023	ND	1.93	96.7	2.00	2.24	
Ethylbenzene*	<0.050	0.050	10/17/2023	ND	1.96	97.9	2.00	3.07	
Total Xylenes*	<0.150	0.150	10/17/2023	ND	5.85	97.5	6.00	2.02	
Total BTEX	<0.300	0.300	10/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13-	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1170	16.0	10/16/2023	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	195	97.3	200	0.415	
DRO >C10-C28*	17.7	10.0	10/16/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					
Surrogate: 1-Chlorooctane	83.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.2	% 49.1-14	8						

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#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/13/2023 Sampling Date: 10/13/2023

Reported: 10/19/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact Project Number: Sample Received By: 15510 Tamara Oldaker

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: FL 18 @ 1 FT. (H235612-16)

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	10/17/2023	ND	1.85	92.6	2.00	2.43	
Toluene*	<0.050	0.050	10/17/2023	ND	1.93	96.7	2.00	2.24	
Ethylbenzene*	<0.050	0.050	10/17/2023	ND	1.96	97.9	2.00	3.07	
Total Xylenes*	<0.150	0.150	10/17/2023	ND	5.85	97.5	6.00	2.02	
Total BTEX	<0.300	0.300	10/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	10/16/2023	ND	432	108	400	3.77	QM-07
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	10/16/2023	ND	195	97.3	200	0.415	
DRO >C10-C28*	46.5	10.0	10/16/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	16.5	10.0	10/16/2023	ND					
Surrogate: 1-Chlorooctane	100 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/13/2023 Sampling Date: 10/13/2023

Reported: 10/19/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 15510

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: NW 1 B (H235612-17)

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	10/17/2023	ND	1.85	92.6	2.00	2.43	
Toluene*	<0.050	0.050	10/17/2023	ND	1.93	96.7	2.00	2.24	
Ethylbenzene*	<0.050	0.050	10/17/2023	ND	1.96	97.9	2.00	3.07	
Total Xylenes*	<0.150	0.150	10/17/2023	ND	5.85	97.5	6.00	2.02	
Total BTEX	<0.300	0.300	10/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	10/16/2023	ND	432	108	400	3.77	
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	10/16/2023	ND	195	97.3	200	0.415	
DRO >C10-C28*	15.7	10.0	10/16/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					
Surrogate: 1-Chlorooctane	67.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.7	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/13/2023 Sampling Date: 10/13/2023

Reported: 10/19/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact Project Number: Tamara Oldaker 15510 Sample Received By:

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: EW 2 B (H235612-18)

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	10/17/2023	ND	1.85	92.6	2.00	2.43	
Toluene*	<0.050	0.050	10/17/2023	ND	1.93	96.7	2.00	2.24	
Ethylbenzene*	<0.050	0.050	10/17/2023	ND	1.96	97.9	2.00	3.07	
Total Xylenes*	<0.150	0.150	10/17/2023	ND	5.85	97.5	6.00	2.02	
Total BTEX	<0.300	0.300	10/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1920	16.0	10/16/2023	ND	432	108	400	3.77	
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	10/16/2023	ND	195	97.3	200	0.415	
DRO >C10-C28*	23.7	10.0	10/16/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					
Surrogate: 1-Chlorooctane	80.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.2	% 49.1-14	8						

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#### **Notes and Definitions**

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

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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RDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	(575) 393-2326 FAX (575) 393-24	76																
Company Name:	Etech Environmental & Safety Solut	ions	, Inc							144	10						ANALYSIS REQUEST	
Project Manager:							P.	0. #:	_									
Address: 2617	West Marland						Co	mpa	any			-						
City: Hobbs			: 882				Altn:			1 4			1					
Phone #: (575)	264-9884 Fax #:	*		_1	10-1	3:2	Address:						1					
Project #:	264-9884 Fax #:  Project Owner	:	×	St		7.	CI	ly:	11	44				_	0	24		
Project Name:	oboa85 SWD Wa	ter		Reu	8		St	ate:		Zìj	p:		8	PH (8015M)	BTEX (8021B)	10		
Project Location:							Ph	one	#:			127.1	Chloride	80	8	-		
Sampler Name:	Dominic Casare ?	_					Fa	x #:				THE REAL PROPERTY.	ਤ ਹ	T.	Ĕ	254		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	MATI	SLUDGE	OTHER:	ij.	ICE/COOL		DATE	TIME			in	TPH RO		
DU 1 /	7 96 63 14	C	1		V				1	10	0-13		V	~	V	V		
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9 /	6 101 B 3 in	+	Н	-	+	+	79		+	+	+		1	1/	11.	++		+
106	21050 3:1	N	N		d	+	+		0	17	7		9	4	1	1		
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Reiniquished by.	Time:	Re	ceiv	ea b	y:					/		XCUS Please e	STC	)M	or co	Carri	ded project v	nuel-
Delivered By: (Sampler - UPS -		4/4	40	Co	mple Cool In Yes [ No [	tact		0		KED itials				.,				-13-23

FORM-006 Revision 1.0

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

Received by OCD: 12/5/2024 1:25:42 PM



### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name	: Etech Environmental			BILL TO						ANALYS	SIS REQUE	EST	
Project Manage	r: Joel Lowry			P.O. #:									
Address: 310	0 Plains Hwy			Company: Solar Midstr	arn	1							
City: Lovingto	on State: N	M Zip: 88260	)	Attn: Rob Kirk						1			
Phone #: 575	-396-2378 Fax #: 5	75-396-1429		Address:					1	74			
Project #: 155	10 Project O	wner: LLC		City:		1			1	2			
Project Name:	Lobo 285 SWD Water Reuse			State: NM <sub>1</sub> Zip:	141 1		0		3	V			
Project Location				Phone #:	700	1/	10		1	.0			
Sampler Name:	Dominil Ca	Savez		Fax #:		1)	10-1		He	Chlorid			
FOR LAB USE ONLY			MATRIX	PRESERV. SAMP	LING	1			4	4			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER	SOIL SUL SEODGE	ACID/BASE: ICE / COOL	TIME	Chloride	ТРН	BTEX 8021	Rush	RUSH			
DC H	FL/06 agin	CI		10 13		V	N	/	V				
12	FC 107 82in		1			1	1	V	1/				
	FL 108 88 in					V	N	VV	V				
14	Filly Cyin				1	V	V	1	1				
15	RIGE IRA				-	V	14	1	1				+
14	Fl 18 @ 1 F+				-	1	/	V	4	1./	-	+	+
11	NWI B				-	V	1	1	1	1	-		+
18	EWZB					1					++	++-	+ +
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EASE NOTE: Lightilly as	nd Damages. Cardina's liability and client's exclusive	remedy for any claim arising whether h	ased in contract or	r fort, shall be limited to the amount on	d by the client for th	10							

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affiliates or successors ansing out of or related to the performance	of services hereunder by Ca	rdinal, regardless of whether such claim is based	upon any of the above stated reas	ons or otherwise	.0.		
Relinguished By:	Date://	Received By:	1111	Phone Result:	☐ Yes	□ No	Add'l Phone #:
1) 14	10-15		1111/11/11	Fax Result:	☐ Yes	□ No	Add'l Fax #:
Work!	Time: 16/8	A HULLARA O	KULL DE	REMARKS:	Email res	ults to	pm@etechenv.com
Relinquished By:	Date:	Received By:	10				
	Time:		,				
Delivered By: (Circle One)	#	140 Sample Condition	CHECKED BY:			1	
Sampler - UPS - Bus - Other:	l·l·l·c	Cool Intact  Yes Yes  No No	(Initials)	*			

† Cardinal cannot accept verbal changes. Please fax written changes to 57 393-2476 FORM-006 R 2.0

- 4



October 19, 2023

JOEL LOWRY
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: LOBO 285 SWD WATER REUSE

Enclosed are the results of analyses for samples received by the laboratory on 10/13/23 16:18.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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.

Celey D. Keine

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. Keene

Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/13/2023 Sampling Date: 10/13/2023

Reported: 10/19/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact Project Number: 15510 Sample Received By: Dionica Hinojos

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: NW3 (H235617-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2023	ND	1.93	96.4	2.00	0.735	
Toluene*	<0.050	0.050	10/17/2023	ND	1.99	99.7	2.00	0.757	
Ethylbenzene*	<0.050	0.050	10/17/2023	ND	2.13	106	2.00	0.320	
Total Xylenes*	<0.150	0.150	10/17/2023	ND	6.38	106	6.00	0.531	
Total BTEX	<0.300	0.300	10/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2920	16.0	10/16/2023	ND	432	108	400	3.64	
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	10/16/2023	ND	185	92.6	200	0.789	
DRO >C10-C28*	71.6	10.0	10/16/2023	ND	163	81.6	200	0.856	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					
Surrogate: 1-Chlorooctane	68.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	62.5	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/13/2023 Sampling Date: 10/13/2023

Reported: 10/19/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: 15510 Sample Received By: Dionica Hinojos

Analyzed By: JH

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

mg/kg

#### Sample ID: SW3 (H235617-02)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2023	ND	1.93	96.4	2.00	0.735	
Toluene*	<0.050	0.050	10/17/2023	ND	1.99	99.7	2.00	0.757	
Ethylbenzene*	<0.050	0.050	10/17/2023	ND	2.13	106	2.00	0.320	
Total Xylenes*	<0.150	0.150	10/17/2023	ND	6.38	106	6.00	0.531	
Total BTEX	<0.300	0.300	10/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/16/2023	ND	432	108	400	3.64	
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	10/16/2023	ND	185	92.6	200	0.789	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	163	81.6	200	0.856	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					
Surrogate: 1-Chlorooctane	60.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	51.3	% 49.1-14	8						

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Celey D. Kreine



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/13/2023 Sampling Date: 10/13/2023

Reported: 10/19/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: 15510 Sample Received By: Dionica Hinojos

Analyzed By: JH

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

mg/kg

#### Sample ID: WW4 (H235617-03)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2023	ND	1.89	94.7	2.00	3.05	
Toluene*	<0.050	0.050	10/16/2023	ND	1.85	92.3	2.00	0.978	
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	1.94	97.1	2.00	1.58	
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.83	97.1	6.00	1.97	
Total BTEX	<0.300	0.300	10/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	10/16/2023	ND	432	108	400	3.64	
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	10/16/2023	ND	185	92.6	200	0.789	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	163	81.6	200	0.856	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					
Surrogate: 1-Chlorooctane	66.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	56.9	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/13/2023 Sampling Date: 10/13/2023

Reported: 10/19/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact
Project Number: 15510 Sample Received By: Dionica Hinojos

Analyzed By: JH

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

mg/kg

#### Sample ID: WW5 (H235617-04)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Allulyzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2023	ND	1.89	94.7	2.00	3.05	
Toluene*	<0.050	0.050	10/17/2023	ND	1.85	92.3	2.00	0.978	
Ethylbenzene*	<0.050	0.050	10/17/2023	ND	1.94	97.1	2.00	1.58	
Total Xylenes*	<0.150	0.150	10/17/2023	ND	5.83	97.1	6.00	1.97	
Total BTEX	<0.300	0.300	10/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13-	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	10/16/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	185	92.6	200	0.789	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	163	81.6	200	0.856	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					
Surrogate: 1-Chlorooctane	69.8	% 48.2-13-	4						
Surrogate: 1-Chlorooctadecane	61.8	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/13/2023 Sampling Date: 10/13/2023

Reported: 10/19/2023 Sampling Type: Soil

Project Name: LOBO 285 SWD WATER REUSE Sampling Condition: Cool & Intact Project Number: 15510 Sample Received By: Dionica Hinojos

Project Location: SOLARIS UL / A SEC 22 T25S - R28E

#### Sample ID: SW2 (H235617-05)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2023	ND	1.89	94.7	2.00	3.05	
Toluene*	<0.050	0.050	10/17/2023	ND	1.85	92.3	2.00	0.978	
Ethylbenzene*	<0.050	0.050	10/17/2023	ND	1.94	97.1	2.00	1.58	
Total Xylenes*	<0.150	0.150	10/17/2023	ND	5.83	97.1	6.00	1.97	
Total BTEX	<0.300	0.300	10/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500CI-B	ide, SM4500Cl-B mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/16/2023	ND	432	108	400	3.64	
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	10/16/2023	ND	185	92.6	200	0.789	
DRO >C10-C28*	83.1	10.0	10/16/2023	ND	163	81.6	200	0.856	
EXT DRO >C28-C36	47.6	10.0	10/16/2023	ND					
Surrogate: 1-Chlorooctane	64.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	55.7	% 49.1-14	8						

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Celey D. Keene



#### **Notes and Definitions**

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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Celeg D. Freene

Received by OCD: 12/5/2024 1:25:42 PM

## CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY	AND	<b>ANALYSIS</b>	<b>REQUEST</b>

Company Name:	Etech Environmental		BILL TO	ANALYSIS REQUEST
Project Manager	: Joel Lowry		P.O. #:	<b>N</b>
Address: 310	) Plains Hwy		Company: Solar Midstream	
City: Lovingto	n State: NM	Zip: 88260	Attn: Rob Kirk	
Phone #: 575	396-2378 Fax #: 575-396-1	429 Solaris vvater iviigstream	Address:	
Project #: 155	10 Project Owner:	LLC	City:	
Project Name:	Lobo 285 SWD Water Reuse		State: NM Zip:	5
Project Location	: Rural Eddy		Phone #:	
Sampler Name:	Pominic Casavez		Fax #:	
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	25
+235617		C)OMP		
Lab I.D.	Sample I.D.	R (C NER WAT	ا این ا	
Lab I.D.	Cumpic i.b.	(G)RAB OR (C)OI # CONTAINERS GROUNDWATER WASTEWATER SOIL	SLUDGE OTHER: ACID/BASE: ICE / COOL  ATHER:  THER:	Chloride ThH ThH
11		(G)RAB # CONT GROUN WASTE SOIL	SLUDGE OTHER:  ACID/BAS  CICE / COC OTHER:	Chiori
1)(1	NW3	CITY	1 10-13	
2	5W3			
3	WW4			
4	WW5	49 6	d	7 1 1 4
5	SWZ			
			4	*

service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,

Relinquished By:	Date: 10 - 1613 Rec	eived By:		Phone Result: Fax Result:	☐ Yes	□ No	Add'l Phone #: Add'l Fax #:
Relinquished By:	Date: Rec	eived By:	1	REMARKS:	Email resu	ults to	pm@etechenv.com
Delivered Bv: (Circle One) Sampler - UPS - Bus - Other:	-1.1	Sample Condition Cool Intact Yes Yes	CHECKED BY: (initials)	1			

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

## **Appendix F Regulatory Correspondence**

From: Wells, Shelly, EMNRD

To: Tamarah Kendrick; eco@slo.state.nm.us; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD

Cc: <u>Joel Lowry; Lance Crenshaw; Ben Arguijo; Rob Kirk; Eddie Gaytan, Jr</u>

Subject: RE: [EXTERNAL] nAPP2221532955 - Lobo 285 Frac Tank Overflow - Sampling Notification - Solaris Water

Midstream, LLC

**Date:** Monday, October 16, 2023 4:17:00 PM

Attachments: <u>image001.png</u>

Some people who received this message don't often get email from shelly.wells@emnrd.nm.gov. <u>Learn why this is</u>

<u>important</u>

Hi Tamarah,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

Shelly Wells \* Environmental Specialist-Advanced

Environmental Bureau

**EMNRD-Oil Conservation Division** 

1220 S. St. Francis Drive | Santa Fe, NM 87505

(505)469-7520|Shelly.Wells@emnrd.nm.gov

http://www.emnrd.state.nm.us/OCD/

From: Tamarah Kendrick <tamarah@etechenv.com>

**Sent:** Monday, October 16, 2023 2:16 PM

To: eco@slo.state.nm.us; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>

Cc: Joel Lowry <joel@etechenv.com>; Lance Crenshaw <lance@etechenv.com>; Ben Arguijo

<bena@etechenv.com>; Rob Kirk <rob.kirk@ariswater.com>; Eddie Gaytan, Jr

<eddiejr@etechenv.com>

Subject: [EXTERNAL] nAPP2221532955 - Lobo 285 Frac Tank Overflow - Sampling Notification -

Solaris Water Midstream, LLC

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

This email serves as notice Etech intends to begin confirmation sampling for the following reportable release site beginning 10/19/2023.

nAPP2221532955 - Lobo 285 Frac Tank Overflow

Anticipated sampling time will be at 7:00 AM.

Confirmation sampling will continue throughout the remediation process as required and/or necessary.

If you have any questions or need any additional information, please feel free to contact Joel Lowry by phone or email:

Joel Lowry Etech Environmental Phone: 432-466-4450 joel@etechenv.com

### Tamarah Kendrick

Project Coordinator

ETech - Environmental and Safety Solutions

2617 W. Marland Blvd

Hobbs, NM 88240



From: To: Knight, Tami C.

Cc:

<u>Tamarah Kendrick</u>: <u>Lance Crenshaw</u>: <u>Ben Arguijo</u>: <u>Rob Kirk</u>; <u>Eddie Gaytan</u>, <u>Jr</u>
Re: nAPP2221532955 – Lobo 285 Frac Tank Overflow - Sampling Notification - Solaris Water Midstream, LLC Subject:

Date: Thursday, October 19, 2023 10:32:51 AM

Attachments:

Yes. Ma'am. The Northeast Corner of Lobo 285 Water Reuse and the western terminus of the Lobo Frac Tank Overflow overlap a little bit. The Lobo 285 Water Reuse occurred at the facility. The Lobo 285 Frac Tank Overflow occurred at the SWD Well Pad, east of the facilty.

Respectfully,

Joel W Lowry

Etech Environmental & Safety

On Oct 19, 2023, at 10:22 AM, Knight, Tami C. <tknight@slo.state.nm.us> wrote:

#### **Good Morning**

Thank you for the notification. Does this work overlap with NAPP2135135752 at all?

#### PLEASE SUBMIT WORKPLANS AND REPORTS TO ECO@SLO.STATE.NM.US

<!--[if !vml]-->

<image003.jpg>

<!--[endif]--><!--[if !vml]--><!--[endif]-->**Tami Knight, CHMM** 

Environmental Specialist

SRD-Environmental

Compliance Office (ECO)

505.670.1638

New Mexico State Land Office

1300 W. Broadway Avenue, Suite A

Bloomfield, NM 87413

tknight@slo.state.nm.us

nmstatelands.org

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From: Tamarah Kendrick <tamarah@etechenv.com>

Sent: Monday, October 16, 2023 2:16 PM

**To:** SLO Spills <spills@slo.state.nm.us>; ocd.enviro@state.nm.us

Cc: Joel Lowry <joel@etechenv.com>; Lance Crenshaw <lance@etechenv.com>; Ben Arguijo <bena@etechenv.com>; Rob Kirk <rob.kirk@ariswater.com>; Eddie Gaytan, Jr <eddiejr@etechenv.com>

Subject: [EXTERNAL] nAPP2221532955 - Lobo 285 Frac Tank Overflow - Sampling Notification - Solaris Water Midstream, LLC

This email serves as notice Etech intends to begin confirmation sampling for the following reportable release site beginning 10/19/2023.

nAPP2221532955 - Lobo 285 Frac Tank Overflow

Anticipated sampling time will be at 7:00 AM.

Confirmation sampling will continue throughout the remediation process as required and/or necessary.

<image005.jpg>

If you have any questions or need any additional information, please feel free to contact Joel Lowry by phone or email:

Joel Lowry Etech Environmental Phone: 432-466-4450 joel@etechenv.com

Tamarah Kendrick

Project Coordinator
ETech - Environmental and Safety Solutions
2617 W. Marland Blvd
Hobbs, NM 88240
<image006.png>

Sante Fe Main Office Phone: (505) 476-3441 General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 409055

#### **QUESTIONS**

Operator:	OGRID:
SOLARIS WATER MIDSTREAM, LLC	371643
9651 Katy Fwy	Action Number:
Houston, TX 77024	409055
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2221532955
Incident Name	NAPP2221532955 LOBO 285 SWD @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAB1915134627] LOBO 285 SWD

Location of Release Source	
Please answer all the questions in this group.	
Site Name	LOBO 285 SWD
Date Release Discovered	08/02/2022
Surface Owner	State

Incident Details		
Please answer all the questions in this group.		
Incident Type	Produced Water Release	
Did this release result in a fire or is the result of a fire	No	
Did this release result in any injuries	No	
Has this release reached or does it have a reasonable probability of reaching a watercourse	No	
Has this release endangered or does it have a reasonable probability of endangering public health	No	
Has this release substantially damaged or will it substantially damage property or the environment	No	
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No	

Nature and Volume of Release		
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.		
Crude Oil Released (bbls) Details	Not answered.	
Produced Water Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc.   Frac Tank   Produced Water   Released: 120 BBL   Recovered: 25 BBL   Lost: 95 BBL.	
Is the concentration of chloride in the produced water >10,000 mg/l	Yes	
Condensate Released (bbls) Details	Not answered.	
Natural Gas Vented (Mcf) Details	Not answered.	
Natural Gas Flared (Mcf) Details	Not answered.	
Other Released Details	Not answered.	
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.	

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS, Page 2

Action 409055

QUEST	IONS (continued)
Operator: SOLARIS WATER MIDSTREAM, LLC 9651 Katy Fwy Houston, TX 77024	OGRID: 371643 Action Number: 409055 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.	e. gas only) are to be submitted on the C-129 form.
Initial Response The responsible party must undertake the following actions immediately unless they could create a	safety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	iliation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative sted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for rele the OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface rt does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Julian Romero Title: Environmental Advisor Email: julian.romero@ariswater.com Date: 12/05/2024

Sante Fe Main Office Phone: (505) 476-3441 General Information

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS, Page 3

Action 409055

**QUESTIONS** (continued)

ı	Operator:	OGRID:
ı	SOLARIS WATER MIDSTREAM, LLC	371643
ı	9651 Katy Fwy	Action Number:
ı	Houston, TX 77024	409055
ı		Action Type:
ı		[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approva release discovery date.	al and beyond). This information must be provided to the appropriate district office no later than 90 days after the
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release ar	nd the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1000 (ft.) and ½ (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan		
Please answer all the questions th	at apply or are indicated. This information must be provided to the	ne appropriate district office no later than 90 days after the release discovery date.
Requesting a remediation p	plan approval with this submission	Yes
Attach a comprehensive report den	monstrating the lateral and vertical extents of soil contamination a	associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and vertical	l extents of contamination been fully delineated	Yes
Was this release entirely co	ontained within a lined containment area	No
Soil Contamination Sampling	: (Provide the highest observable value for each, in milli	grams per kilograms.)
Chloride	(EPA 300.0 or SM4500 CI B)	26800
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	52100
GRO+DRO	(EPA SW-846 Method 8015M)	41500
BTEX	(EPA SW-846 Method 8021B or 8260B)	2.4
Benzene	(EPA SW-846 Method 8021B or 8260B)	412
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date wil	I the remediation commence	09/27/2023
On what date will (or did) th	e final sampling or liner inspection occur	11/08/2023
On what date will (or was) t	he remediation complete(d)	11/08/2023
What is the estimated surfa	ce area (in square feet) that will be reclaimed	16000
What is the estimated volun	ne (in cubic yards) that will be reclaimed	563
What is the estimated surfa	ce area (in square feet) that will be remediated	16000
What is the estimated volun	ne (in cubic yards) that will be remediated	563
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS, Page 4

Action 409055

**QUESTIONS** (continued)

ı	Operator:	OGRID:
ı	SOLARIS WATER MIDSTREAM, LLC	371643
ı	9651 Katy Fwy	Action Number:
ı	Houston, TX 77024	409055
ı		Action Type:
ı		[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
Yes	
R360 ARTESIA LLC LANDFARM [fEEM0112340644]	
Not answered.	

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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.

Name: Julian Romero Title: Environmental Advisor I hereby agree and sign off to the above statement Email: julian.romero@ariswater.com Date: 12/05/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

QUESTIONS, Page 5

Action 409055

**QUESTIONS** (continued)

Operator:	OGRID:
SOLARIS WATER MIDSTREAM, LLC	371643
9651 Katy Fwy	Action Number:
Houston, TX 77024	409055
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Deferral Requests Only		
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.		
Requesting a deferral of the remediation closure due date with the approval of this submission	No	

Sante Fe Main Office Phone: (505) 476-3441 General Information

Phone: (505) 629-6116

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

QUESTIONS, Page 6

Action 409055

QUESTIONS (continued)				
Operator: SOLARIS WATER MIDSTREAM, LLC 9651 Katy Fwy Houston, TX 77024	OGRID: 371643 Action Number: 409055 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)			
QUESTIONS				
Sampling Event Information				
Last sampling notification (C-141N) recorded	298160			
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/27/2023			
What was the (estimated) number of samples that were to be gathered	124			
What was the sampling surface area in square feet	16000			
Remediation Closure Request  Only answer the questions in this group if seeking remediation closure for this release because all re  Requesting a remediation closure approval with this submission	Yes			
Have the lateral and vertical extents of contamination been fully delineated	Yes			
Was this release entirely contained within a lined containment area	No			
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes			
What was the total surface area (in square feet) remediated	16000			
What was the total volume (cubic yards) remediated	563			
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes			
What was the total surface area (in square feet) reclaimed	16000			
What was the total volume (in cubic yards) reclaimed	563			
	On September 27, 2023, remediation activities commenced at the Lobo 285 Frac Tank Overflow release site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. Olfactory/visual senses and/or a chloride test kit were utilized to field-screen the horizontal and vertical extent of			

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 (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents or final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

impacted soil and to guide the excavation. The floor and sidewalls of the excavation were advanced until field tests and field observations suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria. Representative five-point composite confirmation soil samples were collected every 200 square feet from the floor and

sidewalls of the excavated area to be submitted for laboratory analysis

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.

Name: Julian Romero Title: Environmental Advisor I hereby agree and sign off to the above statement Email: julian.romero@ariswater.com Date: 12/05/2024

Summarize any additional remediation activities not included by answers (above)

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

QUESTIONS, Page 7

Action 409055

**QUESTIONS** (continued)

Operator:	OGRID:
SOLARIS WATER MIDSTREAM, LLC	371643
9651 Katy Fwy	Action Number:
Houston, TX 77024	409055
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Reclamation Report		
Only answer the questions in this group if all reclamation steps have been completed.		
Requesting a reclamation approval with this submission	No	

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

CONDITIONS

Action 409055

#### **CONDITIONS**

Operator:	OGRID:
SOLARIS WATER MIDSTREAM, LLC	371643
9651 Katy Fwy	Action Number:
Houston, TX 77024	409055
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### CONDITIONS

Created I	By Condition	Condition Date
rhamle	We have received your Remediation Closure Report for Incident #NAPP2221532955, thank you. This Remediation Closure Report is approved. Please be advised that step-out sampling locations on pad that define the edge of the release will create the outline of the area that will need to be sampled for reclamation. The larger the step-out, the larger the eventual reclamation area that will need be to be sampled once the pad is abandoned and turned back to "land no longer in use." The reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division.	4/29/2025