State of New Mexico
Oil Conservation Division

Incident ID	nRM2017852330
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	>150 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☑ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☑ Yes ☐ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

- ☑ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☑ Field data
- ☑ Data table of soil contaminant concentration data
- ☑ Depth to water determination
- ☑ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☑ Boring or excavation logs
- ☑ Photographs including date and GIS information
- ☑ Topographic/Aerial maps
- ☑ Laboratory data including chain of custody

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nRM2017852330
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Facility ID	
Application ID	

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.

Printed Name: Rob Kirk Title: General Manager, HSE & Compliance

Signature: _____ Date: _____

email: rob.kirk@solarismidstream.com Telephone: (432)203-9020

OCD Only

Received by: _____ Date: _____

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Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nRM2017852330
District RP	
Facility ID	
Application ID	

Closure

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

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

☑ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☑ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

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

☑ Description of remediation activities

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

Printed Name: Rob Kirk Title: General Manager, HSE & Compliance

Signature: RC Kirk Date: 04/08/21

email: rob.kirk@solarismidstream.com Telephone: (432)203-9020

OCD Only

Received by: Cristina Eads Date: 04/08/2021

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

Closure Approved by: Cristina Eads Date: 07/22/2021

Printed Name: Cristina Eads Title: Environmental Specialist

Remediation Summary & Soil Closure Request

Solaris Water Midstream, LLC
Landes Pond Release
Eddy County, New Mexico
Unit Letter F, Section 22, Township 25 South, Range 28 East
Latitude 32.11600 North, Longitude 104.07800 West
NMOCD Reference No. nRM2017852330

Prepared By:

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

Ben J. Arguijo

Joel W. Lowry

Midland • San Antonio • Lubbock • Lovington • Lafayette

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1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Solaris Water Midstream, LLC (Solaris), has prepared this *Remediation Summary & Soil Closure Request* for the release site known as the Landes Pond Release (henceforth, "Site"). Details of the release are summarized below:

Location of Release Source

Latitude: 32.11600 Longitude: -104.07800

Provided GPS are in WGS84 format.

Site Name:	Landes Pond Release	Site Type:	Water Storage Ponds
Date Release Discovered:	6/24/2020	API # (if applicable):	N/A

Unit Letter	Section	Township	Range	County
F	22	25S	28E	Eddy

Surface Owner: [ ] State [ ] Federal [ ] Tribal [X] Private (Name Solaris Water Midstream, LLC)

Nature and Volume of Release

[ ] Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
[X] Produced Water	Volume Released (bbls) 556	Volume Recovered (bbls) 120
	Is the concentration of total dissolved solids (TDS) in the produced water > 10,000 mg/L?	[X] Yes [ ] No [ ] N/A
[ ] Condensate	Volume Released (bbls)	Volume Recovered (bbls)
[ ] Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
[ ] Other (describe)	Volume/Weight Released	Volume/Weight Recovered

Cause of Release:
Severe storms in the area on the night of June 23, 2020, apparently dislodged pond entry feed lines. When the water feed pumps were turned on the morning of June 24, the pumps ran for a short time before it was recognized that the feed lines were dislodged. The pumps were turned off, and the lines were repositioned. The recycled water impacted an area approximately 750 feet by 10 to 20 feet wide adjacent to the pond on Solaris land. The release volume was calculated by the pump volume rates, the time it took to turn off the pumps, and the area impacted.

Initial 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 and recoverable materials have been removed and managed appropriately.

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

2.0 SITE CHARACTERIZATION

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half-mile radius of the Site. A review of the drilling log for NMOSE-permitted well C-01522, which is located approximately 1,245 feet north-northeast of the Site, indicates the well was drilled to approximately 150 feet below ground surface (bgs). No indications of inflow or accumulation of water were noted during the advancement of the well. Depth to groundwater information is provided in Appendix A.

What is the shallowest depth to groundwater beneath the area affected by the release?	>150'
Did the release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas not on an exploration, development, production or storage site?	☒ Yes ☐ No

NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) and Fish & Wildlife Services (FWS) shapefiles; topographic maps; NMOSE and USGS databases; and aerial imagery. The results are depicted in Figures 1, 2, 4, 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 Site are as follows:

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria*†	Reclamation Standard*‡
>150'	Chloride (Cl-)	EPA 300.0 or SM4500 Cl B	20,000	600
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	2,500	100
	Diesel Range Organics + Gas Range Organics (DRO + GRO)	EPA SW-846 Method 8015M	1,000	-
	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

* Measured in milligrams per kilogram (mg/kg)
† Table I, Section 19.15.29.12 of the New Mexico Administrative Code (NMAC).
‡ The NMOCD Reclamation Standard applies only to the top 4' of soil in non-production areas. Section 19.15.29.13 D.(1) NMAC.

4.0 INITIAL SITE ASSESSMENT

On August 5, 2020, Solaris conducted an initial site assessment. During the initial site assessment, a series of hand-augered soil bores (HA-1, HA-2, and SP-1 through SP-6) were advanced in an effort to determine the vertical and horizontal extent of impacted soil. A total of eight (8) delineation soil samples (HA-1, HA-2, and SP-1 through SP-6) were submitted to a certified commercial laboratory for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, soil was not affected above the NMOCD Closure Criteria or NMOCD Reclamation Standards beyond one (1) foot bgs in the areas characterized by sample points HA-1, HA-2, SP-3, SP-4, and SP-5. However, additional delineation was required in the areas characterized by sample points SP-1, SP-2, and SP-3.

In October 2020, Solaris retained Etech to assume remediation activities at the Site.

On October 22, 2020, Etech conducted a site assessment. During the site assessment, a series of hand-augered soil bores (SP1, SP 1B, SP 2, SP 2B, SP 3 through SP 5, and SP6B) were advanced within the release margins in an effort to further investigate the vertical extent of impacted soil. In addition, hand-augered soil bores (NH 1, NH 2, EH 1, SH 1, SH2, and WH 1) were advanced at the inferred edges of the affected area in an effort to determine the horizontal extent of impacted soil. During advancement of the hand-augered soil bores, soil samples were collected and field-screened utilizing visual/olfactory senses and/or a Hach Quantab ® chloride test kit.

Based on field observations and field test data, twenty-five (25) delineation soil samples (NH 1 @ Surface, NH 1 @ 1', NH 2 @ Surface, NH 2 @ 1', EH 1 @ Surface, EH 1 @ 1', SH 1 @ Surface, SH 1 @ 1', SH 2 @ Surface, SH 2 @ 1', WH 1 @ Surface, WH 1 @ 1', SP 1 @ Surface, SP 1 @ 1', SP 1B @ 2', SP 2 @ Surface, SP 2 @ 1', SP 2B @ 2', SP 3 @ Surface, SP 3 @ 1', SP 4 @ Surface, SP 4 @ 1', SP 5 @ Surface, SP 5 @ 1', and SP 6B @ 2') were submitted to a certified commericial laboratory for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, soil was not affected above the NMOCD Closure Criteria or NMOCD Reclamation Standard beyond one (1) foot bgs in the areas characterized by sample points SP 1 through SP 5 or beyond two (2) feet bgs in the areas characterized by sample points SP 1B, SP 2B, and SP 6B. The horizontal extent of impacted soil was adequately defined in the areas characterized by sample points NH 1, NH 2, EH 1, SH 1, and SH 2. However, additional horizontal delineation was required in the area characterized by sample point WH 1.

5.0 REMEDIATION ACTIVITIES SUMMARY

On January 12, 2021, remediation activities commenced at the Site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standard was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. The floor and sidewalls of the excavation were advanced until field observations and test results suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard.

On January 13, 2021, Etech collected 13 confirmation soil samples (EW1, SW1, SW2, SW3, WW1, and FL 1 @ 1' through FL 8 @ 1') from the sidewalls and floor of the excavation. The soil samples were submitted to a certified commercial 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 Standard in each of the submitted soil samples.

On January 14, 2021, Etech collected six (6) confirmation soil samples (EW2, SW4, SW5, WW2, FL 9 @ 2', and FL 10 @ 2') from the sidewalls and floor of the excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On January 18, 2021, Etech collected 33 confirmation soil samples (NW1, NWW1, NWW2, EW3, EW4, and FL 11 @ 2' through FL 38 @ 2') from the sidewalls and floor of the excavation. The soil samples were submitted to the laboratory for analysis of

BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples. Based on laboratory analytical results, the excavation was further advanced in the area characterized by soil sample FL 12 @ 2'.

On January 19, 2021, Etech collected 20 confirmation soil samples (FL 39 @ 2' through FL 58@ 2') from the floor of the excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On January 20, 2021, Etech collected 20 confirmation soil samples (EW5 through EW8, SW6, WW3, WW4, WW5, and FL 59 @ 1' through FL 70 @ 1') from the sidewalls and floor of the excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On January 21, 2021, Etech collected 17 confirmation soil samples (NW2, NW3, and FL 71 @ 2' through FL 85 @ 1') from the sidewalls and floor of the excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples. Based on laboratory analytical results, the excavation was further advanced in the area characterized by soil sample FL 75 @ 2'.

On January 22, 2021, Etech collected 21 confirmation soil samples (FL 86 @ 1' through FL 99 @ 1', FL 104 @ 1' through FL 107 @ 1', and FL 110 @ 1' through FL 112 @ 1') from the floor of the excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples. Based on laboratory analytical results, the excavation was further advanced in the area characterized by soil sample FL 110 @ 1'.

On January 25, 2021, Etech collected 18 confirmation soil samples (FL 100 @ 3' through FL 103 @ 3', FL 108 @ 1', FL 109 @ 1', and FL 113 @ 3' through FL 124 @ 1') from the floor of the excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples. Based on laboratory analytical results, the excavation was further advanced in the area characterized by soil sample FL 118 @ 2'.

On January 26, 2021, Etech collected 11 confirmation soil samples (FL 125 @ 0-6" through FL 135 @ 2') from the floor of the excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On January 27, 2021, Etech collected nine (9) confirmation soil samples (FL 136 @ 2' through FL 144 @ 2') from the floor of the excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On January 29, 2021, Etech collected 27 confirmation soil samples (FL 75 @ 2.5', and FL 145 @ 2' through FL 170b @ 1') from the floor of the excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On February 1, 2021, Etech collected 51 confirmation soil samples (NW4 - 2' F, NW5 - 2' F, NW6 through NW16, SW7b through SW16, WW6, and FL 171 through FL 197) from the sidewalls and floor of the excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride

concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On February 8, 2021, Etech collected one (1) confirmation soil sample (FL 118 @ 3') from the floor of the excavation. The soil sample was submitted to the laboratory for analysis of chloride. Laboratory analytical results indicated the chloride concentration was below the NMOCD Closure Criteria and NMOCD Reclamation Standard.

On March 15, 2021, Etech collected two (2) confirmation soil samples (FL 12 @ 3' and FL 110 @ 2') from the floor of the excavation. The soil samples were submitted to the laboratory for analysis of chloride. Laboratory analytical results indicated chloride concentrations were below the NMOCD Closure Criteria and NMOCD Reclamation Standard in each of the submitted soil samples.

The final dimensions of the excavation ranged from approximately 260 to 1,318 feet in length, 10 to 174 feet in width, and two (2) inches to three (3) feet in depth. During the course of remediation activities, approximately 6,500 cubic yards of impacted soil were transported to an NMOCD-permitted surface waste facility for disposal.

Soil sample locations and the extent of the excavation are depicted in Figure 3, "Site & Sample Location Map". Soil chemistry data is summarized in Table 1. Field data and soil profile logs are provided in Appendix B. General photographs of the Site are provided in Appendix C. Laboratory analytical reports are provided in Appendix D.

6.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

Upon receiving laboratory analytical results from confirmation soil samples, excavated areas were backfilled with locally sourced, non-impacted, "like" material placed at or near original relative positions. The affected area was 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

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

Based on laboratory analytical results and field activities conducted to date, Etech recommends Solaris provide copies of this *Remediation Summary & Soil Closure Request* to the appropriate agencies and request closure be granted to the 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 reference in the report and on oral statements made by certain individuals. Etech has not conducted an independent examination of the facts contained in referenced materials and statements. Etech has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Etech has prepared the report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Etech notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of 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.

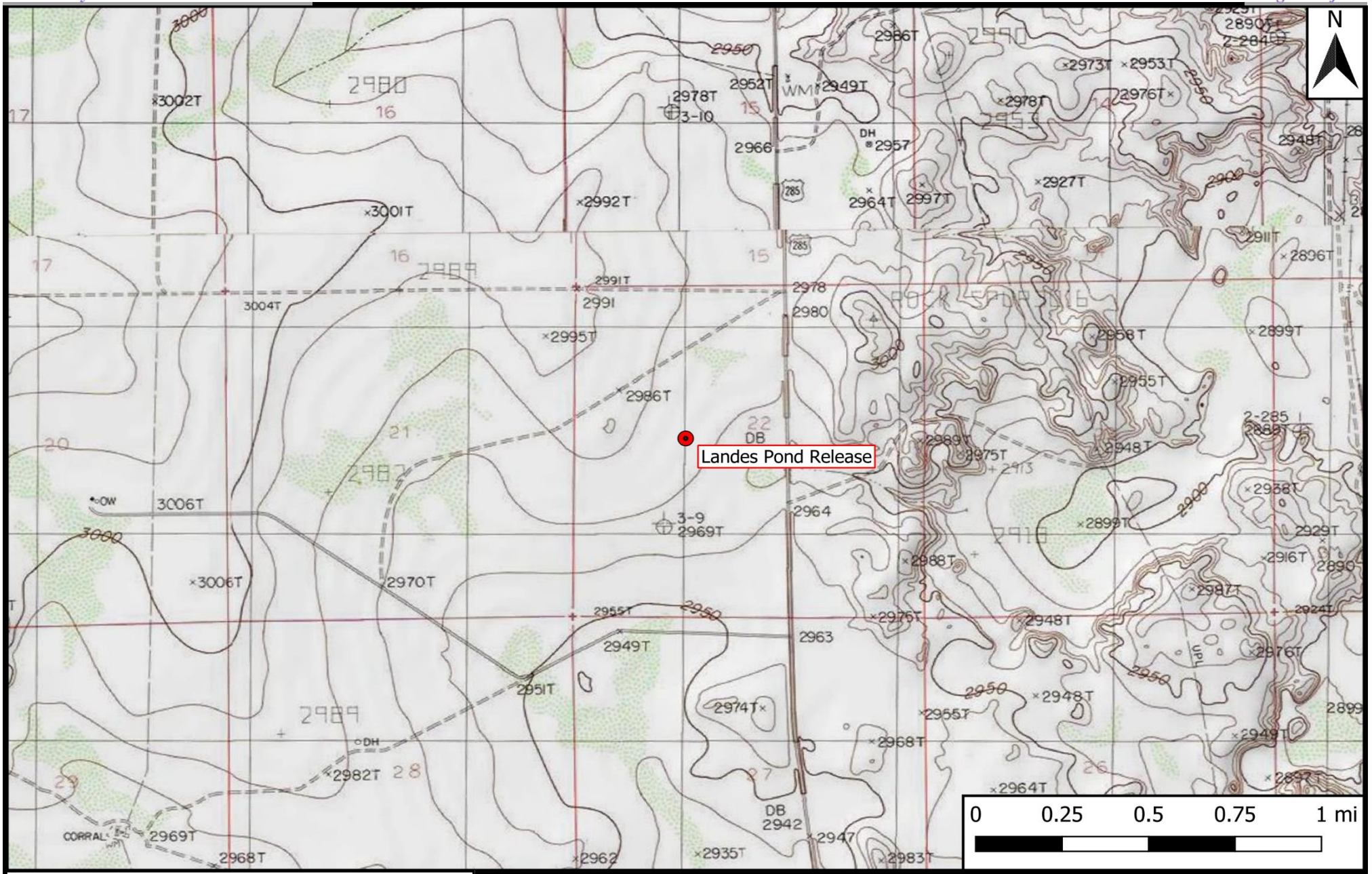
9.0 DISTRIBUTION

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

(Electronic Submission)

Figure 1
Topographic Map



Legend

- Site Location

Figure 1

Topographic Map

Solaris Water Midstream, LLC

Landes Pond Release

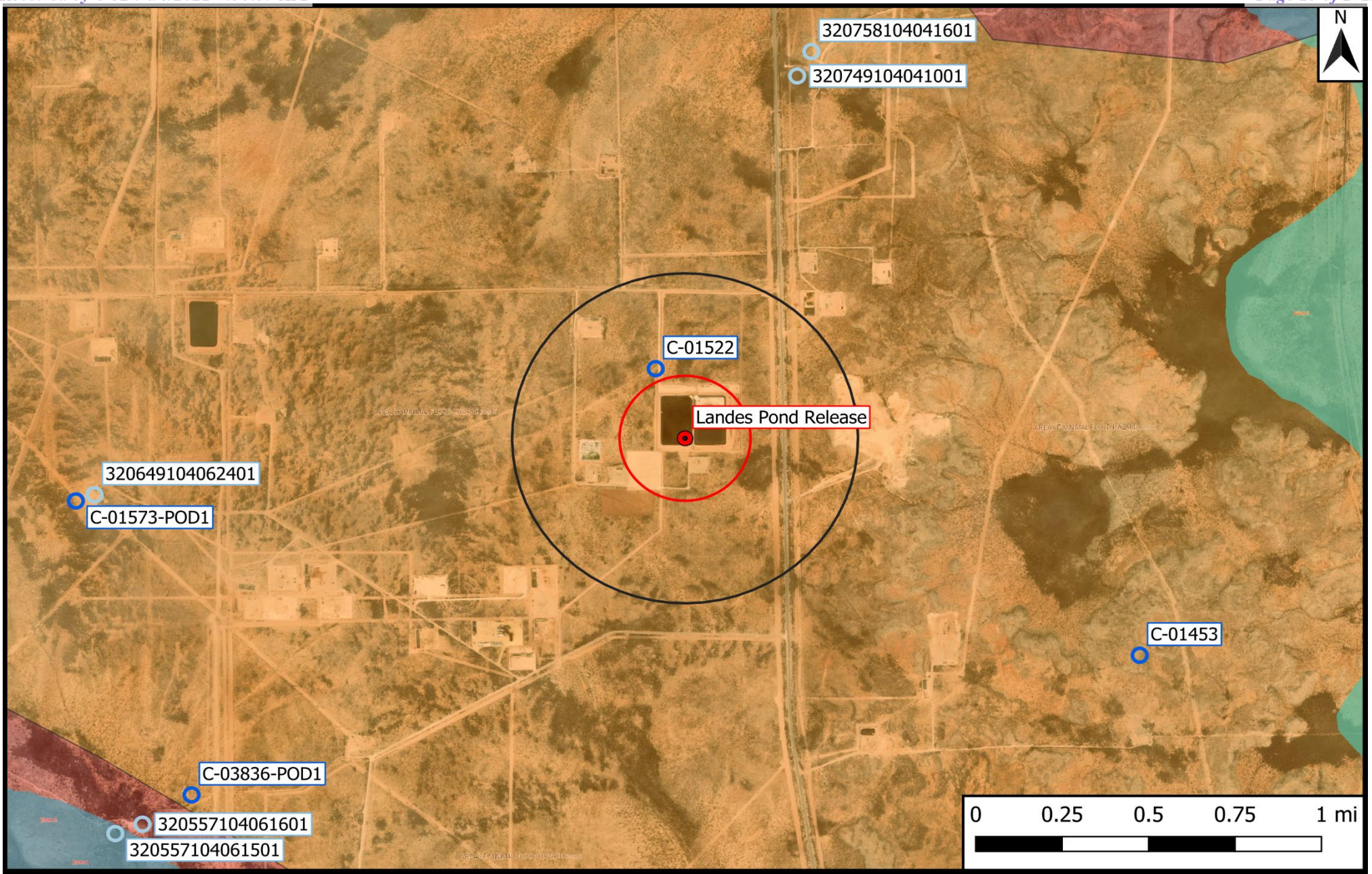
GPS: 32.11600, -104.07800

Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 3/2/21

Figure 2
Aerial Proximity Map



Legend

- Site Location
- Well - NMOSE
- Well - USGS
- Well - Investigative/Monitor
- Potash Mine Workings
- 1,000-Ft Radius
- 0.5-Mi Radius
- 1% Annual Flood Chance
- Emergent/Forested Wetlands
- Lake/Freshwater Pond
- Medium/High Karst
- Riverine

Figure 2
Aerial Proximity Map
Solaris Water Midstream, LLC
Landes Pond Release
GPS: 32.116, -104.078
Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 3/23/21

Figure 3
Site & Sample Location Map

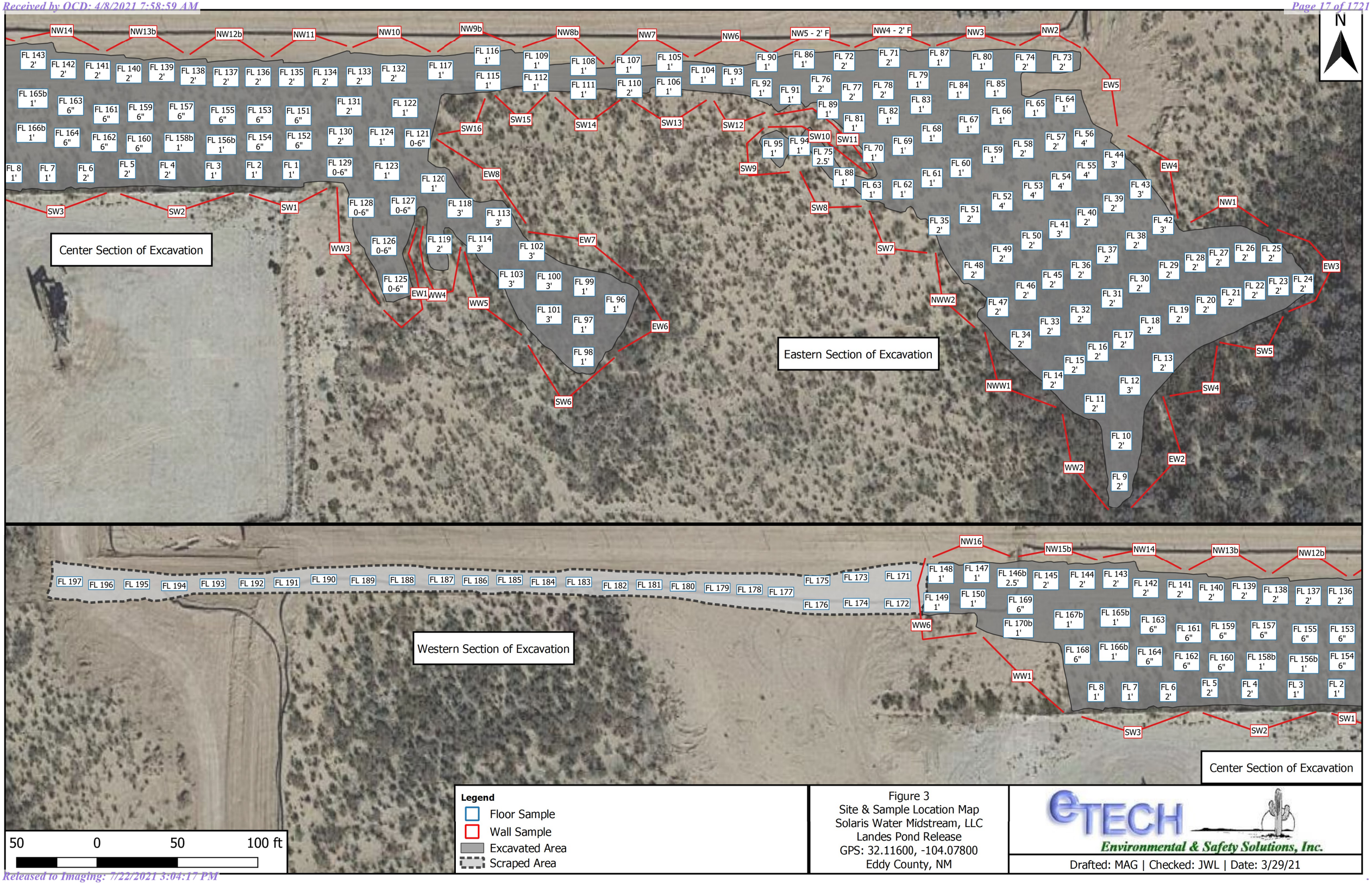


Figure 3
Site & Sample Location Map
Solaris Water Midstream, LLC
Landes Pond Release
GPS: 32.11600, -104.07800
Eddy County, NM

eTECH Environmental & Safety Solutions, Inc.

Drafted: MAG | Checked: JWL | Date: 3/29/21

Table 1
Concentrations of BTEX, TPH & Chloride in Soil

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Solaris Water Midstream, LLC
Landes Pond Release
NMOCD Ref. #: nRM2017852330

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**20,000**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
Sample ID	**Date**	**Depth**	**Soil Status**	**SW 846 8021B**		**SW 846 8015M Ext.**					**4500 Cl**
				Benzene (mg/kg)	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (mg/kg)**	**Chloride (mg/kg)**
Delineation Samples											
HA-1	8/5/2020	1'	In-Situ	<0.00200	<0.00200	<50.0	<50.2	<50.2	<50.2	<50.2	41.4
HA-2	8/5/2020	1'	In-Situ	<0.00198	<0.00198	<50.1	<50.1	<50.1	<50.1	<50.1	37.9
SP-1	8/5/2020	1'	Excavated	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	*1,150*
SP 1 @ Surface	10/22/2020	0'	Excavated	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	356
SP 1 @ 1'	10/22/2020	1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	52.9
SP 1B @ 2'	10/22/2020	2'	In-Situ	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	22.1
SP-2	8/5/2020	1'	Excavated	<0.00198	<0.00198	<50.2	<50.2	<50.2	<50.2	<50.2	*5,310*
SP 2 @ Surface	10/22/2020	0'	Excavated	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	*7,690*
SP 2 @ 1'	10/22/2020	1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	426
SP 2B @ 2'	10/22/2020	2'	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	32.5
SP-3	8/5/2020	1'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	76.1
SP 3 @ Surface	10/22/2020	0'	Excavated	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	*11,200*
SP 3 @ 1'	10/22/2020	1'	In-Situ	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	339
SP-4	8/5/2020	1'	In-Situ	<0.00201	<0.00201	<49.8	<49.8	<49.8	<49.8	<49.8	<10.0
SP 4 @ Surface	10/22/2020	0'	Excavated	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	420
SP 4 @ 1'	10/22/2020	1'	In-Situ	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	119
SP-5	8/5/2020	1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	41.0
SP 5 @ Surface	10/22/2020	0'	Excavated	<0.00202	<0.00202	<50.3	<50.3	<50.3	<50.3	<50.3	*5,370*
SP 5 @ 1'	10/22/2020	1'	In-Situ	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	<50.2	153
SP-6	8/5/2020	1'	Excavated	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	*2,210*
SP 6B @ 2'	10/22/2020	2'	In-Situ	<0.00198	<0.00198	<50.1	<50.1	<50.1	<50.1	<50.1	49.0
NH 1 @ Surface	10/22/2020	0'	In-Situ	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	<50.1	202
NH 1 @ 1'	10/22/2020	1'	In-Situ	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	<50.2	223
NH 2 @ Surface	10/22/2020	0'	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	188
NH 2 @ 1'	10/22/2020	1'	In-Situ	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	155
EH 1 @ Surface	10/22/2020	0'	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	<10.1
EH 1 @ 1'	10/22/2020	1'	In-Situ	<0.00199	<0.00199	<50.3	<50.3	<50.3	<50.3	<50.3	45.1
SH 1 @ Surface	10/22/2020	0'	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	27.1
SH 1 @ 1'	10/22/2020	1'	In-Situ	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	<50.2	<9.98
SH 2 @ Surface	10/22/2020	0'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	168
SH 2 @ 1'	10/22/2020	1'	In-Situ	<0.00201	<0.00201	<50.2	<50.2	<50.2	<50.2	<50.2	180
WH 1 @ Surface	10/22/2020	0'	Excavated	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	51.7
WH 1 @ 1'	10/22/2020	1'	Excavated	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	*7,370*
Excavation Samples											
NW1	1/18/2021	0 - 2'	In-Situ	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	36.1
NW2	1/21/2021	0 - 1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	3,310*
NW3	1/21/2021	0 - 1'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	2,480*
NW4 - 2' F	2/1/2021	0 - 2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	1,460*

NOTES:
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Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Solaris Water Midstream, LLC
Landes Pond Release
NMOCD Ref. #: nRM2017852330

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**20,000**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
				SW 846 8021B		**SW 846 8015M Ext.**					**4500 Cl**
Sample ID	**Date**	**Depth**	**Soil Status**	**Benzene (mg/kg)**	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (mg/kg)**	**Chloride (mg/kg)**
NW5 - 2' F	2/1/2021	0 - 2'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	732*
NW6	2/1/2021	0 - 1'	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	119
NW7	2/1/2021	0 - 2'	In-Situ	<0.00201	<0.00201	<49.8	<49.8	<49.8	<49.8	<49.8	418
NW8b	2/1/2021	0 - 3'	In-Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	65.6
NW9b	2/1/2021	0 - 3'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	35.9
NW10	2/1/2021	0 - 3'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	389
NW11	2/1/2021	0 - 3'	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	75.9
NW12b	2/1/2021	0 - 3'	In-Situ	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	35.3
NW13b	2/1/2021	0 - 3'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	45.8
NW14	2/1/2021	0 - 3'	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	183
NW15b	2/1/2021	0 - 3'	In-Situ	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	331
NW16	2/1/2021	0 - 3'	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	329
NWW1	1/18/2021	0 - 2'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	31.6
NWW2	1/18/2021	0 - 2'	In-Situ	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	<50.2	32.5
EW1	1/13/2021	0 - 1'	In-Situ	<0.00200	<0.00200	<50.3	<50.3	<50.3	<50.3	<50.3	562
EW2	1/14/2021	0 - 2'	In-Situ	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	<50.2	29.8
EW3	1/18/2021	0 - 2'	In-Situ	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	<50.1	53.9
EW4	1/18/2021	0 - 4'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	247
EW5	1/20/2021	0 - 2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	43.0
EW6	1/20/2021	0 - 1'	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	<10.1
EW7	1/20/2021	0 - 3'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	117
EW8	1/20/2021	0 - 3'	In-Situ	<0.00198	<0.00198	<50.2	<50.2	<50.2	<50.2	<50.2	15.3
SW1	1/13/2021	0 - 1'	In-Situ	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	4,010*
SW2	1/13/2021	0 - 2'	In-Situ	<0.00198	<0.00198	<50.1	<50.1	<50.1	<50.1	<50.1	6,220*
SW3	1/13/2021	0 - 2'	In-Situ	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	3,620*
SW4	1/14/2021	0 - 2'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	259
SW5	1/14/2021	0 - 2'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	247
SW6	1/20/2021	0 - 3'	In-Situ	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	63.5
SW7b	2/1/2021	0 - 1'	In-Situ	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	13.1
SW8	2/1/2021	0 - 1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	268
SW9b	2/1/2021	0 - 1'	In-Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	5.54
SW10b	2/1/2021	0 - 1'	In-Situ	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	5.21
SW11	2/1/2021	0 - 1'	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	137
SW12	2/1/2021	0 - 1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	216
SW13	2/1/2021	0 - 1'	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	74.5
SW14	2/1/2021	0 - 2'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	182
SW15	2/1/2021	0 - 2'	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	44.0
SW16	2/1/2021	0 - 1'	In-Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	171
WW1	1/13/2021	0 - 1'	In-Situ	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	<49.8	34.5

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Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Solaris Water Midstream, LLC
Landes Pond Release
NMOCD Ref. #: nRM2017852330

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**20,000**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
Sample ID	**Date**	**Depth**	**Soil Status**	**SW 846 8021B**		**SW 846 8015M Ext.**					**4500 Cl**
				Benzene (mg/kg)	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (mg/kg)**	**Chloride (mg/kg)**
WW2	1/14/2021	0 - 2'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	43.8
WW3	1/20/2021	0 - 3'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	22.6
WW4	1/20/2021	0 - 3'	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	18.3
WW5	1/20/2021	0 - 3'	In-Situ	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	<50.1	137
WW6	2/1/2021	0 - 3'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	119
FL 1 @ 1'	1/13/2021	1'	In-Situ	<0.00185	<0.00185	<50.3	<50.3	<50.3	<50.3	<50.3	256
FL 2 @ 1'	1/13/2021	1'	In-Situ	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	315
FL 3 @ 1'	1/13/2021	1'	In-Situ	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	<50.1	450
FL 4 @ 2'	1/13/2021	2'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	110
FL 5 @ 2'	1/13/2021	2'	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	166
FL 6 @ 2'	1/13/2021	2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	109
FL 7 @ 1'	1/13/2021	1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	227
FL 8 @ 1'	1/13/2021	1'	In-Situ	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	<50.2	253
FL 9 @ 2'	1/14/2021	2'	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	77.3
FL 10 @ 2'	1/14/2021	2'	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	76.5
FL 11 @ 2'	1/18/2021	2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	13.4
FL 12 @ 2'	1/18/2021	2'	Excavated	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	*789*
FL 12 @ 3'	3/15/2021	3'	In-Situ	-	-	-	-	-	-	-	160
FL 13 @ 2'	1/18/2021	2'	In-Situ	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	<49.8	597
FL 14 @ 2'	1/18/2021	2'	In-Situ	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	19.6
FL 15 @ 2'	1/18/2021	2'	In-Situ	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	70.4
FL 16 @ 2'	1/18/2021	2'	In-Situ	<0.00199	<0.00199	<50.2	<50.2	<50.2	<50.2	<50.2	86.0
FL 17 @ 2'	1/18/2021	2'	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	102
FL 18 @ 2'	1/18/2021	2'	In-Situ	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	104
FL 19 @ 2'	1/18/2021	2'	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	113
FL 20 @ 2'	1/18/2021	2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	139
FL 21 @ 2'	1/18/2021	2'	In-Situ	<0.00198	<0.00198	<50.3	<50.3	<50.3	<50.3	<50.3	117
FL 22 @ 2'	1/18/2021	2'	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	104
FL 23 @ 2'	1/18/2021	2'	In-Situ	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	122
FL 24 @ 2'	1/18/2021	2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	96.3
FL 25 @ 2'	1/18/2021	2'	In-Situ	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	380
FL 26 @ 2'	1/18/2021	2'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	407
FL 27 @ 2'	1/18/2021	2'	In-Situ	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	364
FL 28 @ 2'	1/18/2021	2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	387
FL 29 @ 2'	1/18/2021	2'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	203
FL 30 @ 2'	1/18/2021	2'	In-Situ	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	<50.1	159
FL 31 @ 2'	1/18/2021	2'	In-Situ	<0.00198	<0.00198	<50.3	<50.3	<50.3	<50.3	<50.3	131
FL 32 @ 2'	1/18/2021	2'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	151
FL 33 @ 2'	1/18/2021	2'	In-Situ	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	179

NOTES:
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Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Solaris Water Midstream, LLC
Landes Pond Release
NMOCD Ref. #: nRM2017852330

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**20,000**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
				SW 846 8021B		**SW 846 8015M Ext.**					**4500 Cl**
Sample ID	**Date**	**Depth**	**Soil Status**	**Benzene (mg/kg)**	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (mg/kg)**	**Chloride (mg/kg)**
FL 34 @ 2'	1/18/2021	2'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	404
FL 35 @ 2'	1/18/2021	2'	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	111
FL 36 @ 2'	1/18/2021	2'	In-Situ	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	<49.8	92.2
FL 37 @ 2'	1/18/2021	2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	265
FL 38 @ 2'	1/18/2021	2'	In-Situ	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	68.4
FL 39 @ 2'	1/19/2021	2'	In-Situ	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	106
FL 40 @ 2'	1/19/2021	2'	In-Situ	<0.00196	<0.00196	<50.1	<50.1	<50.1	<50.1	<50.1	114
FL 41 @ 3'	1/19/2021	3'	In-Situ	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	<49.8	113
FL 42 @ 3'	1/19/2021	3'	In-Situ	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	99.9
FL 43 @ 3'	1/19/2021	3'	In-Situ	<0.00201	<0.00201	<49.8	<49.8	<49.8	<49.8	<49.8	120
FL 44 @ 3'	1/19/2021	3'	In-Situ	<0.00198	<0.00198	<50.1	<50.1	<50.1	<50.1	<50.1	117
FL 45 @ 2'	1/19/2021	2'	In-Situ	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	103
FL 46 @ 2'	1/19/2021	2'	In-Situ	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	112
FL 47 @ 2'	1/19/2021	2'	In-Situ	<0.00200	<0.00200	<50.3	<50.3	<50.3	<50.3	<50.3	110
FL 48 @ 2'	1/19/2021	2'	In-Situ	<0.00201	<0.00201	<50.1	<50.1	<50.1	<50.1	<50.1	144
FL 49 @ 2'	1/19/2021	2'	In-Situ	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	123
FL 50 @ 2'	1/19/2021	2'	In-Situ	<0.00199	<0.00199	<50.2	<50.2	<50.2	<50.2	<50.2	159
FL 51 @ 2'	1/19/2021	2'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	13.4
FL 52 @ 4'	1/19/2021	4'	In-Situ	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	14.1
FL 53 @ 4'	1/19/2021	4'	In-Situ	<0.00198	<0.00198	<50.1	<50.1	<50.1	<50.1	<50.1	15.1
FL 54 @ 4'	1/19/2021	4'	In-Situ	<0.00201	<0.00201	<49.8	<49.8	<49.8	<49.8	<49.8	10.6
FL 55 @ 4'	1/19/2021	4'	In-Situ	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	15.2
FL 56 @ 4'	1/19/2021	4'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	16.2
FL 57 @ 2'	1/19/2021	2'	In-Situ	<0.00198	<0.00198	<50.3	<50.3	<50.3	<50.3	<50.3	31.5
FL 58 @ 2'	1/19/2021	2'	In-Situ	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	<50.1	17.2
FL 59 @ 1'	1/20/2021	1'	In-Situ	<0.00199	<0.00199	<50.3	<50.3	<50.3	<50.3	<50.3	266
FL 60 @ 1'	1/20/2021	1'	In-Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	15.0
FL 61 @ 1'	1/20/2021	1'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	24.1
FL 62 @ 1'	1/20/2021	1'	In-Situ	<0.00202	<0.00202	<50.1	<50.1	<50.1	<50.1	<50.1	50.4
FL 63 @ 1'	1/20/2021	1'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	111
FL 64 @ 1'	1/20/2021	1'	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	83.2
FL 65 @ 1'	1/20/2021	1'	In-Situ	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	103
FL 66 @ 1'	1/20/2021	1'	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	28.3
FL 67 @ 1'	1/20/2021	1'	In-Situ	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	<49.8	44.7
FL 68 @ 1'	1/20/2021	1'	In-Situ	<0.00198	<0.00198	<50.2	<50.2	<50.2	<50.2	<50.2	74.9
FL 69 @ 1'	1/20/2021	1'	In-Situ	<0.00196	<0.00196	<49.8	<49.8	<49.8	<49.8	<49.8	46.3
FL 70 @ 1'	1/20/2021	1'	In-Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	103
FL 71 @ 2'	1/21/2021	2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	47.4
FL 72 @ 2'	1/21/2021	2'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	19.2

NOTES:
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Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Solaris Water Midstream, LLC
Landes Pond Release
NMOCD Ref. #: nRM2017852330

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**20,000**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
				SW 846 8021B		**SW 846 8015M Ext.**					**4500 Cl**
Sample ID	**Date**	**Depth**	**Soil Status**	**Benzene (mg/kg)**	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (mg/kg)**	**Chloride (mg/kg)**
FL 73 @ 2'	1/21/2021	2'	In-Situ	<0.00199	<0.00199	<50.0	56.2	56.2	<50.0	56.2	74.0
FL 74 @ 2'	1/21/2021	2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	45.9
FL 75 @ 2'	1/21/2021	2'	Excavated	<0.00200	<0.00200	<50.0	333	333	86.8	*420*	376
FL 75 @ 2.5'	1/29/2021	2.5'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	65.2
FL 76 @ 2'	1/21/2021	2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	377
FL 77 @ 2'	1/21/2021	2'	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	411
FL 78 @ 2'	1/21/2021	2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	69.7
FL 79 @ 1'	1/21/2021	1'	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	69.6
FL 80 @ 1'	1/21/2021	1'	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	53.4
FL 81 @ 1'	1/21/2021	1'	In-Situ	<0.0000200	<0.0000200	<49.9	<49.9	<49.9	<49.9	<49.9	83.1
FL 82 @ 1'	1/21/2021	1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	51.5
FL 83 @ 1'	1/21/2021	1'	In-Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	104
FL 84 @ 1'	1/21/2021	1'	In-Situ	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	97.4
FL 85 @ 1'	1/21/2021	1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	138
FL 86 @ 1'	1/22/2021	1'	In-Situ	0.00787	0.0143	<50.0	<50.0	<50.0	<50.0	<50.0	50.4
FL 87 @ 1'	1/22/2021	1'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	341
FL 88 @ 1'	1/22/2021	1'	In-Situ	<0.00200	0.00279	<49.9	<49.9	<49.9	<49.9	<49.9	26.2
FL 89 @ 1'	1/22/2021	1'	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	18.8
FL 90 @ 1'	1/22/2021	1'	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	80.2
FL 91 @ 1'	1/22/2021	1'	In-Situ	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	84.8
FL 92 @ 1'	1/22/2021	1'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	90.5
FL 93 @ 1'	1/22/2021	1'	In-Situ	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	76.0
FL 94 @ 1'	1/22/2021	1'	In-Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	97.5
FL 95 @ 1'	1/22/2021	1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	26.8
FL 96 @ 1'	1/22/2021	1'	In-Situ	<0.00198	0.133	<49.9	<49.9	<49.9	<49.9	<49.9	168
FL 97 @ 1'	1/22/2021	1'	In-Situ	<0.00202	0.0708	<49.9	<49.9	<49.9	<49.9	<49.9	33.8
FL 98 @ 1'	1/22/2021	1'	In-Situ	<0.00199	0.0418	<50.0	<50.0	<50.0	<50.0	<50.0	14.5
FL 99 @ 1'	1/22/2021	1'	In-Situ	<0.00200	0.0399	<49.9	<49.9	<49.9	<49.9	<49.9	29.4
FL 100 @ 3'	1/25/2021	3'	In-Situ	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	23.7
FL 101 @ 3'	1/25/2021	3'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	106
FL 102 @ 3'	1/25/2021	3'	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	22.3
FL 103 @ 3'	1/25/2021	3'	In-Situ	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	19.8
FL 104 @ 1'	1/22/2021	1'	In-Situ	<0.00200	0.0180	<50.0	<50.0	<50.0	<50.0	<50.0	94.2
FL 105 @ 1'	1/22/2021	1'	In-Situ	<0.00201	0.0120	<50.0	<50.0	<50.0	<50.0	<50.0	56.3
FL 106 @ 1'	1/22/2021	1'	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	246
FL 107 @ 1'	1/22/2021	1'	In-Situ	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	<49.8	343
FL 108 @ 1'	1/25/2021	1'	In-Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	123
FL 109 @ 1'	1/25/2021	1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	470
FL 110 @ 1'	1/22/2021	1'	Excavated	<0.00200	0.00432	<50.0	<50.0	<50.0	<50.0	<50.0	*708*

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Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Solaris Water Midstream, LLC
Landes Pond Release
NMOCD Ref. #: nRM2017852330

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**20,000**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
Sample ID	**Date**	**Depth**	**Soil Status**	**SW 846 8021B**		**SW 846 8015M Ext.**					**4500 Cl**
				Benzene (mg/kg)	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (mg/kg)**	**Chloride (mg/kg)**
FL 110 @ 2'	3/15/2021	2'	In-Situ	-	-	-	-	-	-	-	80.0
FL 111 @ 1'	1/22/2021	1'	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	488
FL 112 @ 1'	1/22/2021	1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	30.0
FL 113 @ 3'	1/25/2021	3'	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	17.7
FL 114 @ 3'	1/25/2021	3'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	12.2
FL 115 @ 1'	1/25/2021	1'	In-Situ	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	47.3
FL 116 @ 1'	1/25/2021	1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	65.2
FL 117 @ 1'	1/25/2021	1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	152
FL 118 @ 2'	1/25/2021	2'	Excavated	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	*1,440*
FL 118 @ 3'	2/8/2021	3'	In-Situ	-	-	-	-	-	-	-	32.0
FL 119 @ 2'	1/25/2021	2'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	197
FL 120 @ 1'	1/25/2021	1'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	32.8
FL 121 @ 0-6"	1/25/2021	0-6"	In-Situ	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	35.1
FL 122 @ 1'	1/25/2021	1'	In-Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	80.6
FL 123 @ 1'	1/25/2021	1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	121
FL 124 @ 1'	1/25/2021	1'	In-Situ	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	50.6
FL 125 @ 0-6"	1/26/2021	0 - 6"	In-Situ	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	305
FL 126 @ 0-6"	1/26/2021	0 - 6"	In-Situ	<0.00199	0.0172	<50.0	<50.0	<50.0	<50.0	<50.0	53.3
FL 127 @ 0-6"	1/26/2021	0 - 6"	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	244
FL 128 @ 0-6"	1/26/2021	0 - 6"	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	29.8
FL 129 @ 0-6"	1/26/2021	0 - 6"	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	42.0
FL 130 @ 2'	1/26/2021	2'	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	14.5
FL 131 @ 2'	1/26/2021	2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	29.8
FL 132 @ 2'	1/26/2021	2'	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	24.3
FL 133 @ 2'	1/26/2021	2'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	31.6
FL 134 @ 2'	1/26/2021	2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	22.2
FL 135 @ 2'	1/26/2021	2'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	23.1
FL 136 @ 2'	1/27/2021	2'	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	23.4
FL 137 @ 2'	1/27/2021	2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	40.0
FL 138 @ 2'	1/27/2021	2'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	41.0
FL 139 @ 2'	1/27/2021	2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	16.9
FL 140 @ 2'	1/27/2021	2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	15.8
FL 141 @ 2'	1/27/2021	2'	In-Situ	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	28.8
FL 142 @ 2'	1/27/2021	2'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	14.6
FL 143 @ 2'	1/27/2021	2'	In-Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	14.6
FL 144 @ 2'	1/27/2021	2'	In-Situ	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	14.1
FL 145 @ 2'	1/29/2021	2'	In-Situ	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	24.0
FL 146b @ 2.5'	1/29/2021	2.5'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	15.6
FL 147 @ 1'	1/29/2021	1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	6.11

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Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Solaris Water Midstream, LLC
Landes Pond Release
NMOCD Ref. #: nRM2017852330

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**20,000**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
				SW 846 8021B		**SW 846 8015M Ext.**					**4500 Cl**
Sample ID	**Date**	**Depth**	**Soil Status**	**Benzene (mg/kg)**	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (mg/kg)**	**Chloride (mg/kg)**
FL 148 @ 1'	1/29/2021	1'	In-Situ	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	19.4
FL 149 @ 1'	1/29/2021	1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	23.9
FL 150 @ 1'	1/29/2021	1'	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	22.1
FL 151@ 6"	1/29/2021	6"	In-Situ	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	471
FL 152 @ 6"	1/29/2021	6"	In-Situ	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	100
FL 153 @ 6"	1/29/2021	6"	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	32.1
FL 154 @ 6"	1/29/2021	6"	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	348
FL 155 @ 6"	1/29/2021	6"	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	32.3
FL 156b @ 1'	1/29/2021	1'	In-Situ	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	15.0
FL 157 @ 6"	1/29/2021	6"	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	87.7
FL 158b @ 1'	1/29/2021	1'	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	15.4
FL 159 @ 6"	1/29/2021	6"	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	37.2
FL 160 @ 6"	1/29/2021	6"	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	120
FL 161 @ 6"	1/29/2021	6"	In-Situ	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	19.8
FL 162 @6"	1/29/2021	6"	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	35.2
FL 163 @ 6"	1/29/2021	6"	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	146
FL 164 @ 6"	1/29/2021	6"	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	98.8
FL 165b @ 1'	1/29/2021	1'	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	19.8
FL 166b @ 1'	1/29/2021	1'	In-Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	145
FL 167b @ 1'	1/29/2021	1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	70.0
FL 168 @ 6"	1/29/2021	6"	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	298
FL 169 @ 6"	1/29/2021	6"	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	13.1
FL 170b @ 1'	1/29/2021	1'	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	133
FL 171	2/1/2021	0-2"	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	83.9
FL 172	2/1/2021	0-2"	In-Situ	<0.00201	<0.00201	<49.8	<49.8	<49.8	<49.8	<49.8	228
FL 173	2/1/2021	0-2"	In-Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	108
FL 174	2/1/2021	0-2"	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	114
FL 175	2/1/2021	0-2"	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	80.3
FL 176	2/1/2021	0-2"	In-Situ	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	<49.8	77.5
FL 177	2/1/2021	0-2"	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	67.5
FL 178	2/1/2021	0-2"	In-Situ	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	57.1
FL 179	2/1/2021	0-2"	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	24.6
FL 180	2/1/2021	0-2"	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	53.4
FL 181	2/1/2021	0-2"	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	56.4
FL 182	2/1/2021	0-2"	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	75.5
FL 183	2/1/2021	0-2"	In-Situ	<0.00201	<0.00201	<49.8	<49.8	<49.8	<49.8	<49.8	22.8
FL 184	2/1/2021	0-2"	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	27.0
FL 185	2/1/2021	0-2"	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	32.6
FL 186	2/1/2021	0-2"	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	43.9

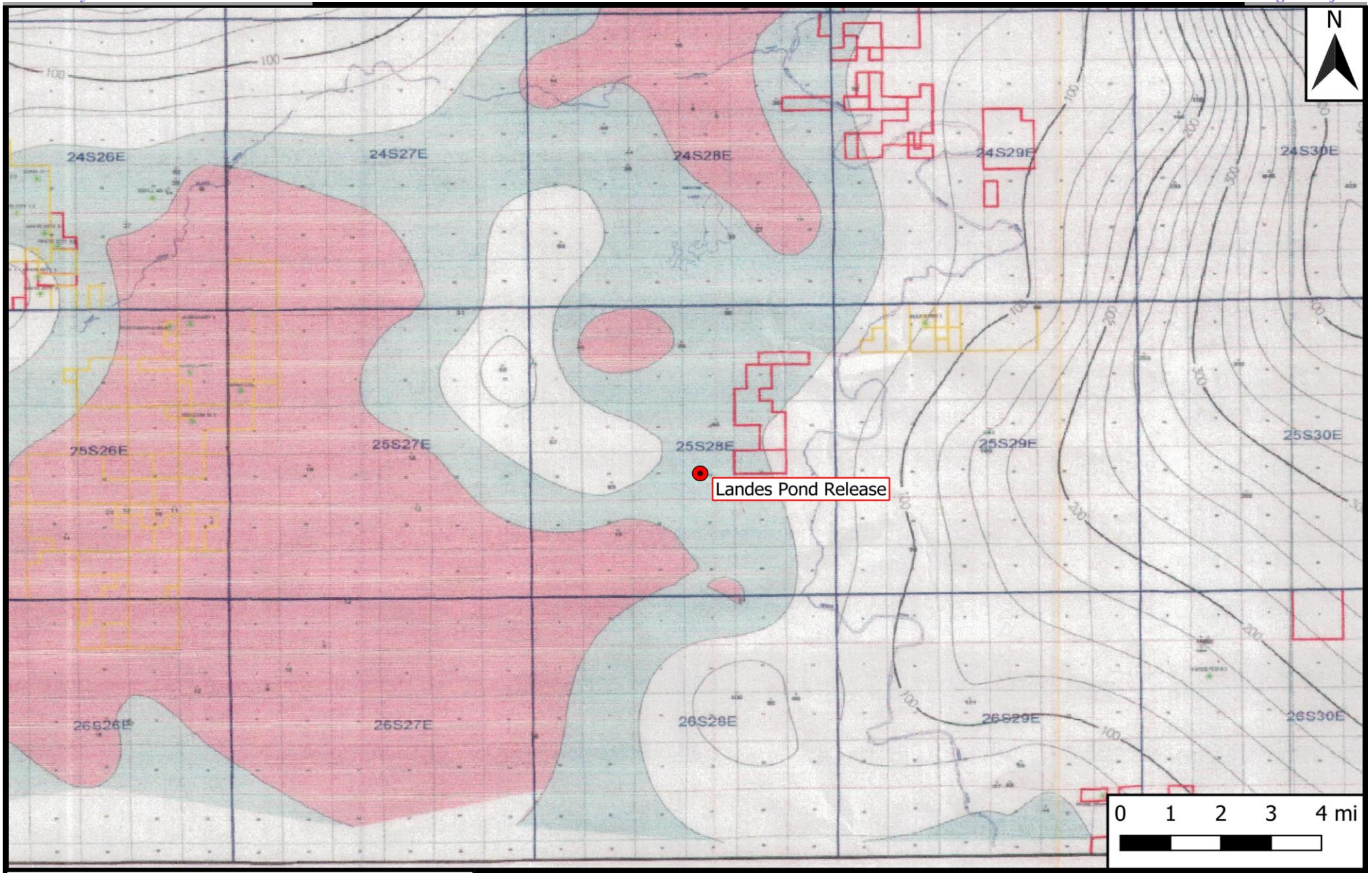
NOTES:
- = Sample not analyzed for that constituent.
Bold text denotes a concentration that exceeds the NMOCD Closure Criteria
Italicized text denotes a concentration that exceeds the NMOCD Reclamation Standard

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Solaris Water Midstream, LLC
Landes Pond Release
NMOCD Ref. #: nRM2017852330

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**20,000**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
Sample ID	**Date**	**Depth**	**Soil Status**	**SW 846 8021B**		**SW 846 8015M Ext.**					**4500 Cl**
				Benzene (mg/kg)	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (mg/kg)**	**Chloride (mg/kg)**
FL 187	2/1/2021	0-2"	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	35.6
FL 188	2/1/2021	0-2"	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	48.7
FL 189	2/1/2021	0-2"	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	6.93
FL 190	2/1/2021	0-2"	In-Situ	<0.00201	<0.00201	<49.8	<49.8	<49.8	<49.8	<49.8	21.1
FL 191	2/1/2021	0-2"	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	34.7
FL 192	2/1/2021	0-2"	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	38.1
FL 193	2/1/2021	0-2"	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	25.3
FL 194	2/1/2021	0-2"	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	5.70
FL 195	2/1/2021	0-2"	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	14.3
FL 196	2/1/2021	0-2"	In-Situ	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	<4.96
FL 197	2/1/2021	0-2"	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	8.41

NOTES:
- = Sample not analyzed for that constituent.
Bold text denotes a concentration that exceeds the NMOCD Closure Criteria
Italicized text denotes a concentration that exceeds the NMOCD Reclamation Standard

Appendix A
Depth to Groundwater Information



Legend

- Site Location

Figure 4

Inferred Depth to Groundwater Trend Map

Solaris Water Midstream, LLC

Landes Pond Release

GPS: 32.11600, -104.07800

Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 3/2/21

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 Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 01522		C	ED			1	22	25S	28E	586843	3554004*	364	150		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 586979.65 **Northing (Y):** 3553665.61 **Radius:** 804.67

***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.

10/16/20 8:06 AM

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	Y
	C 01522			1	22	25S	28E	586843	3554004*

Driller License: 30 **Driller Company:** BARRON, EMMETT

Driller Name: BARRON, EMMETT

Drill Start Date:	07/15/1974	**Drill Finish Date:**	09/10/1974	**Plug Date:**	
Log File Date:	10/03/1974	**PCW Rcv Date:**		**Source:**	
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**	150 feet	**Depth Water:**	

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

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Received by OCD: 4/8/2021 7:58:59 AM

Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

463522

FIELD ENGR. LOG

Section 1. GENERAL INFORMATION

(A) Owner of well Milton R. Wolfson Owner's Well No. _____

Street or Post Office Address 1408 Mission Lane - La Huerta

City and State Carlsbad, N.M.88220

Well was drilled under Permit No. C-1522 and is located in the:

a. ____ ¼ ____ ¼ ____ ¼ N W ¼ of Section 22 Township 25 Range 28 N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor Emmett Barron License No. W.D.30

Address 307 South Tenth St. Carlsbad, N.M. 88220

Drilling Began July 15 Completed Sept. 10 Type tools Cable Size of hole 9" in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 150' ft.

Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well NONE ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
			No water - Anhydrite formation	

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
N			N			N		
o			o			o		
n			N			N		
e			E			E		

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

Section 5. PLUGGING RECORD

Plugging Contractor _____

Address _____

Plugging Method _____

Date Well Plugged _____

Plugging approved by:

_____
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received

Quad _____ FWL _____ FSL _____

File No. C-1522 Use Dom-STK Location No. 25.28.22.1440

Released to Imaging: 7/22/2021 3:04:17 PM

Received by OCD: 4/8/2021 7:58:59 AM

Section 6. LOG OF HOLE

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color and Type of Material Encountered
0	5	5	Top soil
5	35	30	Pink sandy clay
35	120	85	Brown sandy clay
120	125	5	Slight lime & gypsum
125	150	25	Anhydrite & gypsum
			Dry hole

Section 7. REMARKS AND ADDITIONAL INFORMATION

Water showing at 125' slight, not enough to test for salt. Deeper hole did not seem promising after 150'.

1974 OCT -3 AM 8:31
STATE ENGINEER OFFICE
DISTRICT II
ROSWELL, N. MEX.

OCT -8 AM 8:14
STATE ENGINEER OFFICE
DISTRICT II
ROSWELL, N. MEX.

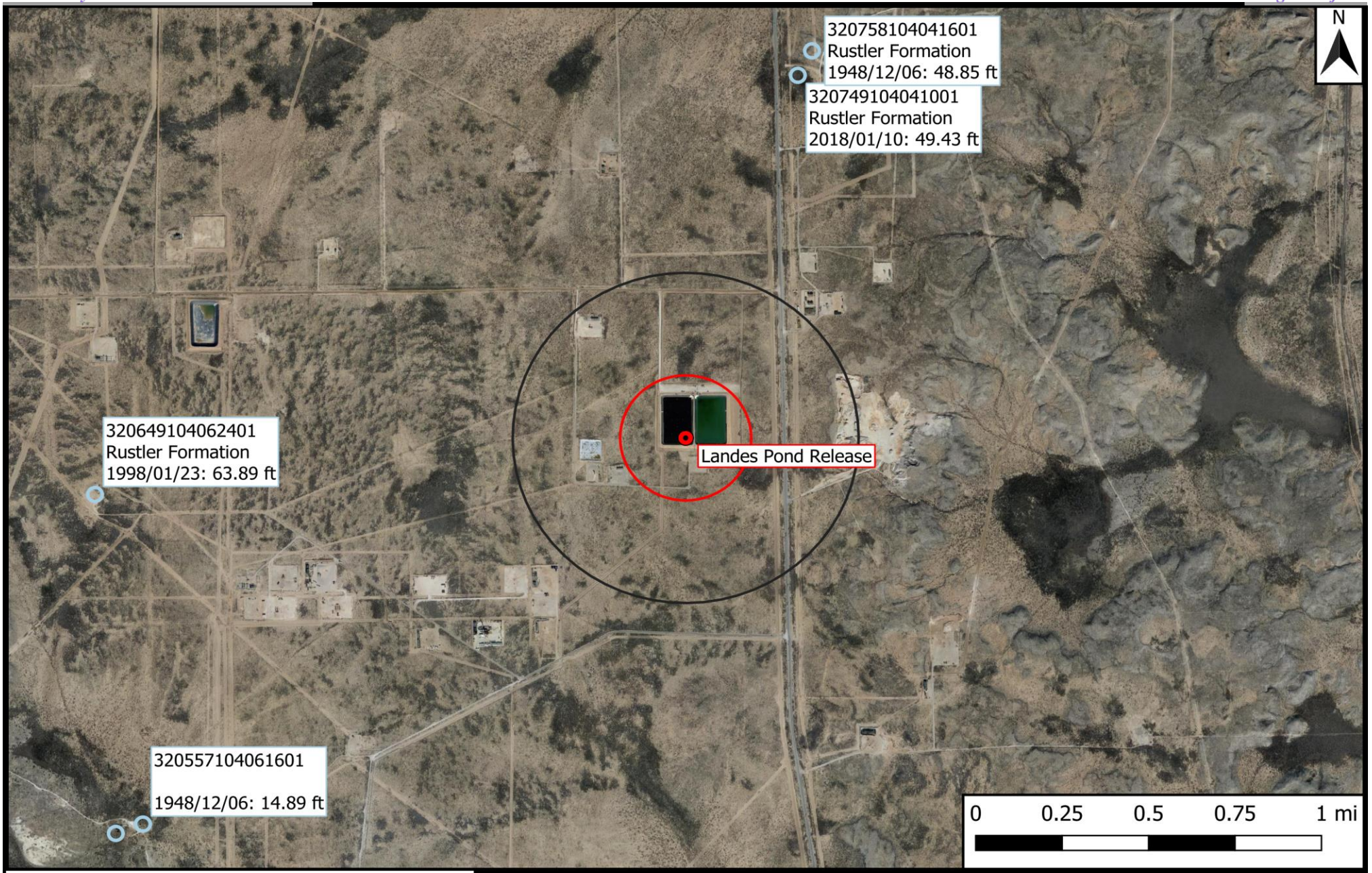
The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Emmett D. Barron

Emmett D. Barron
Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1(a) and Section 7 need be completed.

Released to Imaging: 7/22/2021 3:04:17 PM



Legend
- Site Location
- Well - USGS
- 1,000-Ft Radius
- 0.5-Mi Radius

Figure 5
USGS Well Proximity Map
Solaris Water Midstream, LLC
Landes Pond Release
GPS: 32.11600, -104.07800
Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 3/2/21

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Groundwater levels for the Nation

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Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 320649104062401

Minimum number of levels = 1
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

Table of data
Tab-separated data
Graph of data
Reselect 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
1983-10-07		D	72019	63.80			1	Z			A
1987-10-13		D	72019	63.04			1	Z			A
1992-11-03		D	72019	63.20			1	S			A
1998-01-23		D	72019	63.89			1	S			A

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	A	Approved for publication -- Processing and review completed.

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

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2021-03-26 15:23:04 EDT
0.35 0.31 nadww01

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Groundwater levels for the Nation

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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 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

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			A
1976-01-16		D	72019	48.66			1	Z			A
1977-01-14		D	72019	48.93			1	Z			A
1978-02-23		D	72019	49.79			1	Z			A
1983-02-01		D	72019	46.67			1	Z			A
1987-10-14		D	72019	45.03			1	Z			A
1992-11-04		D	72019	47.95			3	S			A

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
1998-01-23		D	72019	49.94			1	S			A
2003-01-27		D	72019	49.87			1	S	USGS	S	A
2013-01-10	18:45 UTC	m	72019	49.43			1	S	USGS	S	A

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	3	Above
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	A	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: USGS Water Data Support Team
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0.32 0.26 nadww01

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Groundwater levels for the Nation

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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

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
1948-12-06		D	72019	48.85			1	Z			A

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	A	Approved for publication -- Processing and review completed.

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

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: USGS Water Data Support Team
Page Last Modified: 2021-03-26 15:27:02 EDT
0.37 0.31 nadww02

Appendix B
Field Data & Soil Profile Logs

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TECH
Environmental & Safety Solutions, Inc.

Sample Log

Date:

Project: Landes Pond Release

Project Number: 13261 Latitude: 32.116 Longitude: -104.078

Sample ID	PID/Odor	Chloride Conc.	GPS
NH1@surface	—	184	
NH1@1'	—	184	
NH2@surface	—	268	
NH2@1'	—	268	
EH1@surface	—	120	
EH1@1'	—	120	
SH1@surface	—	120	
SH1@1'	—	120	
SH2@surface	—	268	
SH2@1'	—	184	
WH1@surface	—	120	
WH1@1'	—	120	
SP1@surface	—	5768	
SP1@1'	—	120	
SP2@surface	—	5768	
SP2@1'	—	312	
SP3@surface	—	9584	
SP3@1'	—	184	
SP4@surface	—	516	
SP4@1'	—	120	
SP5@surface	—	4092	
SP5@1'	—	184	
SP1B@2'	—	120	
SP2B@2'	—	184	
SP6B@2'	—	184	

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

Received by OCD: 4/8/2021 7:58:59 AM

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eTECH Environmental & Safety Solutions, Inc.

Sample Log

Date: 1.12.20

Project: Landes Pond Release

Project Number: 13261 Latitude: 32.116 Longitude: -104.078

Sample ID	PID/Odor	Chloride Conc.	GPS
T.A. 1	-	>112	
T.A. 2	-	>112	
T.A. 3	-	11832	
T.A. 4	-	9884	
T.A. 3 @ 1'	-	748	
T.A. 5	-	628	
T.A. 6	-	688	
FL 1 @ 1'	-	316	
FL 2 @ 1'	-	268	
SW 1	-	3668	
FL 3 @ 1'	-	364	
EW 1	-	519	
EW 2	-	>112	
FL 4 @ 1'	-	1528	
FL 5 @ 1'	-	2440	
FL 6 @ 1'	-	1752	
SW 2	-	705 E	
FL 7 @ 1'	-	316	
FL 8 @ 1'	-	268	
SW 3	-	2824	
FL 4 @ 2'	-	184	
FL 5 @ 2'	-	224	
FL 6 @ 2'	-	148	
WW 1	-	120	
FL 9 @ 1'	-	2824	
FL 10 @ 1'	-	912	
FL 11 @ 1'	-	4328	
FL 12 @ 1'	-	1252	
FL 9 @ 2'	-	112	
FL 10 @ 2'	-	>112	
WW 2	-	112	
SW 4	-	412	
SW 5	-	464	
NW NW 1	-	>112	
NW NW 2	-	360	
FL 11 @ 2'	-	184	

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

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10 South
13 North

TECH
Environmental & Safety Solutions, Inc.

Sample Log

Date: 2/1/21

Project:
Project Number: Landes Pond Latitude: 32.116 Longitude: -104.078

Sample ID	PID/Odor	Chloride Conc.	GPS
SW7		4.8 860	
SW8		3.0 368	
SW9		4.0 612	
SW10		4.4 728	
SW11		2.6 292	
SW12		2.8 328	
SW13		2.8 328	
SW14		2.8 328	
SW15		2.0 196	
SW16		2.8 328	
SW7b		1.2 <120	
SW9b		1.2 <120	
SW10b		1.2 <120	
NW4		6.6 1628	2' from fence
NW5		4.6 792	2' from fence
NW6		2.6 292	add strips
NW7		3.4 516	
NW8		6.4 1632	
NW9		6.8 1860	
NW10		3.4 516	
NW11		2.0 184	
NW12		3.8 628	
NW13		4.0 688	
NW14		2.0 184	
NW15		4.0 688	
NW16		3.0 412	
NW6		2.4 268	
NW 8b		0.6 <120	
NW 9b		1.0 <120	
NW 12b		1.4 120	
NW 13b		0.6 <120	
NW 15b		2.2 224	
FL 171		2.0 184	
FL 172		2.4 268	
FL 173		2.0 184	
FL 174		2.2 224	

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

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM

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TECH
Environmental & Safety Solutions, Inc.

Sample Log

Date: 2/1/21

Project:
Project Number: Landes Pond Latitude: 32.116 Longitude: -104.078

Sample ID	PID/Odor	Chloride Conc.	GPS
FL 175		2.0 184	
FL 176		2.2 224	
FL 177		1.6 120	
FL 178		2.0 184	
FL 179		1.6 120	
FL 180		2.0 184	

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

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM

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eTECH Environmental & Safety Solutions, Inc.

Soil Profile

Date:

Project: Landes Pond Release

Project Number: 13261 Latitude: 32.116 Longitude: -104.078

Depth (ft. bgs)	Description
0-1'	Sand, caliche
1-2'	Sand, caliche

Received by OCD: 4/8/2021 7:58:59 AM

Released to Imaging: 7/22/2021 3:04:17 PM

Appendix C
Photographic Log

Photographic Log

Photo Number: 1 **Photo Direction:** East-Northeast **Photo Description:** Point of Release	

Photo Number: 2 **Photo Direction:** East **Photo Description:** Release Area	

Photographic Log

Photo Number: 3 **Photo Direction:** Southeast **Photo Description:** Release Area	

Photo Number: 4 **Photo Direction:** East **Photo Description:** Excavation	

Photographic Log

Photo Number: 5 **Photo Direction:** Northeast **Photo Description:** Excavation	

Photo Number: 6 **Photo Direction:** North **Photo Description:** Excavation	

Photographic Log

Photo Number: 7 **Photo Direction:** West **Photo Description:** Remediated Area (After Backfilling & Regrading)	

Photo Number: 8 **Photo Direction:** East **Photo Description:** Remediated Area (After Backfilling & Regrading)	

Photographic Log

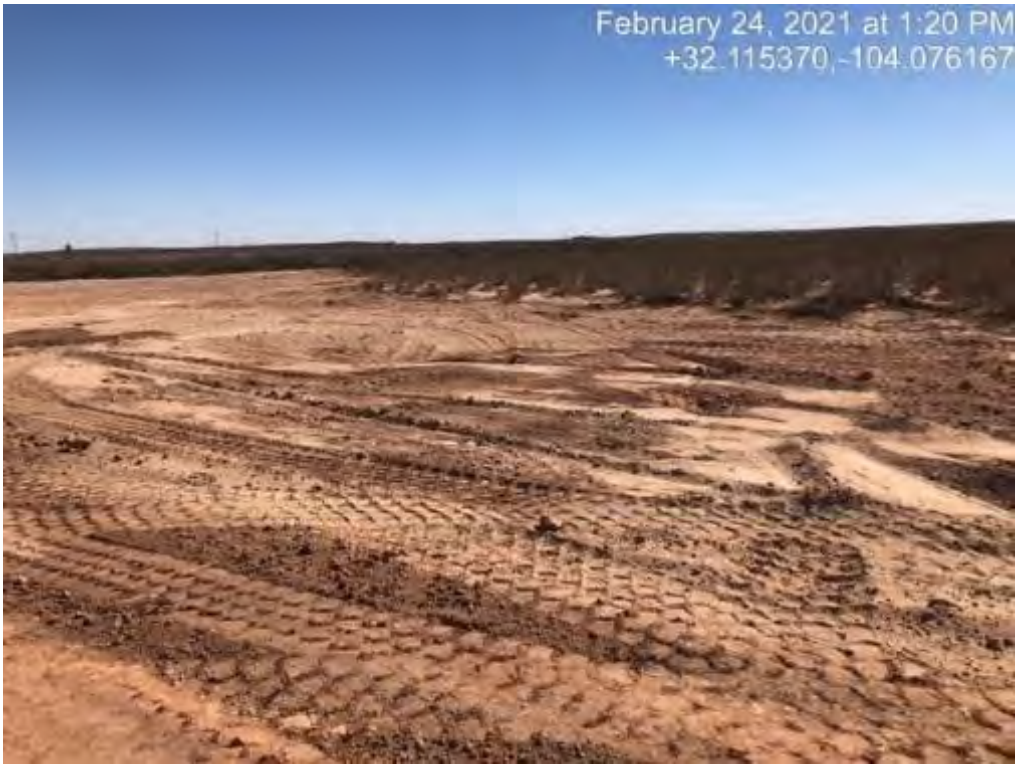
Photo Number: 9	
Photo Direction: Southeast	
Photo Description: Remediated Area (After Backfilling & Regrading)	

Photo Number: 10	
Photo Direction: South	
Photo Description: Remediated Area (After Backfilling & Regrading)	

Appendix D
Laboratory Analytical Reports

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Certificate of Analysis Summary 669270

Solaris Midstream, Midland, TX

Project Name: Landes Pond

Project Id:

Contact: Rob Kirk

Project Location:

Date Received in Lab: Wed 08.05.2020 14:10

Report Date: 08.06.2020 13:38

Project Manager: Jessica Kramer

Analysis Requested		669270-001		669270-002		669270-003		669270-004		669270-005		669270-006	
	Field Id:	SP-1		HA-1		SP-2		SP-3		SP-4		SP-5	
	Depth:	12- In		12- In		12- In		12- In		12- In		12- In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	08.05.2020 09:15		08.05.2020 09:25		08.05.2020 09:45		08.05.2020 10:00		08.05.2020 10:05		08.05.2020 10:20	
BTEX by EPA 8021B	***Extracted:***	08.05.2020 15:07		08.05.2020 17:07		08.05.2020 17:07		08.05.2020 17:07		08.05.2020 17:25		08.05.2020 17:25	
	Analyzed:	08.05.2020 18:44		08.06.2020 01:26		08.06.2020 01:47		08.06.2020 02:07		08.05.2020 23:29		08.05.2020 23:52	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
Toluene		<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
m,p-Xylenes		<0.00399	0.00399	<0.00399	0.00399	<0.00396	0.00396	<0.00399	0.00399	<0.00402	0.00402	<0.00401	0.00401
o-Xylene		<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
Total Xylenes		<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
Total BTEX		<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
Chloride by EPA 300	***Extracted:***	08.05.2020 16:05		08.05.2020 16:05		08.05.2020 16:05		08.05.2020 16:05		08.05.2020 16:05		08.05.2020 16:05	
	Analyzed:	08.05.2020 17:58		08.05.2020 18:14		08.05.2020 18:20		08.05.2020 18:26		08.05.2020 18:31		08.05.2020 18:48	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		1150	9.92	41.4	10.0	5310	50.2	76.1	10.0	<10.0	10.0	41.0	9.98
TPH By SW8015 Mod	***Extracted:***	08.05.2020 14:40		08.05.2020 14:40		08.05.2020 14:40		08.05.2020 14:40		08.05.2020 14:40		08.05.2020 14:40	
	Analyzed:	08.05.2020 17:08		08.05.2020 17:28		08.05.2020 17:48		08.05.2020 18:08		08.05.2020 18:28		08.05.2020 18:48	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.2	50.2	<50.2	50.2	<49.9	49.9	<49.8	49.8	<50.0	50.0
Diesel Range Organics (DRO)		<50.0	50.0	<50.2	50.2	<50.2	50.2	<49.9	49.9	<49.8	49.8	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.2	50.2	<50.2	50.2	<49.9	49.9	<49.8	49.8	<50.0	50.0
Total TPH		<50.0	50.0	<50.2	50.2	<50.2	50.2	<49.9	49.9	<49.8	49.8	<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 669270

Solaris Midstream, Midland, TX

Project Name: Landes Pond

Project Id:

Contact: Rob Kirk

Project Location:

Date Received in Lab: Wed 08.05.2020 14:10

Report Date: 08.06.2020 13:38

Project Manager: Jessica Kramer

Analysis Requested							
	Lab Id:	669270-007		669270-008			
	Field Id:	SP-6		HA-2			
	Depth:	12- In		12- In			
	Matrix:	SOIL		SOIL			
	Sampled:	08.05.2020 10:30		08.05.2020 10:45			
BTEX by EPA 8021B	***Extracted:***	08.05.2020 17:25		08.05.2020 17:25			
	Analyzed:	08.06.2020 00:14		08.06.2020 00:37			
	Units/RL:	mg/kg	RL	mg/kg	RL		
Benzene		<0.00202	0.00202	<0.00198	0.00198		
Toluene		<0.00202	0.00202	<0.00198	0.00198		
Ethylbenzene		<0.00202	0.00202	<0.00198	0.00198		
m,p-Xylenes		<0.00403	0.00403	<0.00396	0.00396		
o-Xylene		<0.00202	0.00202	<0.00198	0.00198		
Total Xylenes		<0.00202	0.00202	<0.00198	0.00198		
Total BTEX		<0.00202	0.00202	<0.00198	0.00198		
Chloride by EPA 300	***Extracted:***	08.05.2020 16:05		08.05.2020 16:05			
	Analyzed:	08.05.2020 18:53		08.05.2020 18:59			
	Units/RL:	mg/kg	RL	mg/kg	RL		
Chloride		2210	49.8	37.9	9.92		
TPH By SW8015 Mod	***Extracted:***	08.05.2020 14:40		08.05.2020 14:40			
	Analyzed:	08.05.2020 19:08		08.05.2020 19:28			
	Units/RL:	mg/kg	RL	mg/kg	RL		
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.1	50.1		
Diesel Range Organics (DRO)		<50.0	50.0	<50.1	50.1		
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.1	50.1		
Total TPH		<50.0	50.0	<50.1	50.1		

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Analytical Report 669270

for

Solaris Midstream

Project Manager: Rob Kirk

Landes Pond

08.06.2020

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-36), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-25), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-7)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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08.06.2020

Project Manager: **Rob Kirk**
Solaris Midstream
907 Tradewinds Blvd
Midland, TX 79706

Reference: Eurofins Xenco, LLC Report No(s): **669270**
Landes Pond
Project Address:

Rob Kirk:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 669270. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 669270 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 669270

Solaris Midstream, Midland, TX

Landes Pond

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-1	S	08.05.2020 09:15	12 In	669270-001
HA-1	S	08.05.2020 09:25	12 In	669270-002
SP-2	S	08.05.2020 09:45	12 In	669270-003
SP-3	S	08.05.2020 10:00	12 In	669270-004
SP-4	S	08.05.2020 10:05	12 In	669270-005
SP-5	S	08.05.2020 10:20	12 In	669270-006
SP-6	S	08.05.2020 10:30	12 In	669270-007
HA-2	S	08.05.2020 10:45	12 In	669270-008

CASE NARRATIVE

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Client Name: Solaris Midstream

Project Name: Landes Pond

Project ID:
Work Order Number(s): *669270*

Report Date: *08.06.2020*
Date Received: *08.05.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

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Certificate of Analytical Results 669270

Solaris Midstream, Midland, TX

Landes Pond

Sample Id:	**SP-1**	Matrix:	Soil	Date Received:	08.05.2020 14:10
Lab Sample Id:	669270-001	Date Collected:	08.05.2020 09:15	Sample Depth:	12 In

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.05.2020 16:05	Basis:	Wet Weight
Seq Number:	3133719				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1150**	9.92	mg/kg	08.05.2020 17:58		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	08.05.2020 14:40	Basis:	Wet Weight
Seq Number:	3133666				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.05.2020 17:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.05.2020 17:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.05.2020 17:08	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.05.2020 17:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	08.05.2020 17:08	
o-Terphenyl	84-15-1	111	%	70-135	08.05.2020 17:08	

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Certificate of Analytical Results 669270

Solaris Midstream, Midland, TX

Landes Pond

Sample Id:	**SP-1**	Matrix:	Soil	Date Received:	08.05.2020 14:10
Lab Sample Id:	669270-001	Date Collected:	08.05.2020 09:15	Sample Depth:	12 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.05.2020 15:07	Basis:	Wet Weight
Seq Number:	3133717				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.05.2020 18:44	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	08.05.2020 18:44	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.05.2020 18:44	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	08.05.2020 18:44	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.05.2020 18:44	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.05.2020 18:44	U	1
Total BTEX		<0.00200	0.00200	mg/kg	08.05.2020 18:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	102	%	70-130	08.05.2020 18:44	
1,4-Difluorobenzene	540-36-3	96	%	70-130	08.05.2020 18:44	

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Certificate of Analytical Results 669270

Solaris Midstream, Midland, TX

Landes Pond

Sample Id:	**HA-1**	Matrix:	Soil	Date Received:	08.05.2020 14:10
Lab Sample Id:	669270-002	Date Collected:	08.05.2020 09:25	Sample Depth:	12 In

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.05.2020 16:05	Basis:	Wet Weight
Seq Number:	3133719				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**41.4**	10.0	mg/kg	08.05.2020 18:14		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	08.05.2020 14:40	Basis:	Wet Weight
Seq Number:	3133666				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	08.05.2020 17:28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	08.05.2020 17:28	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	08.05.2020 17:28	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	08.05.2020 17:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	08.05.2020 17:28	
o-Terphenyl	84-15-1	107	%	70-135	08.05.2020 17:28	

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Solaris Midstream, Midland, TX

Landes Pond

Sample Id:	**HA-1**	Matrix:	Soil	Date Received:	08.05.2020 14:10
Lab Sample Id:	669270-002	Date Collected:	08.05.2020 09:25	Sample Depth:	12 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.05.2020 17:07	Basis:	Wet Weight
Seq Number:	3133717				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.06.2020 01:26	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	08.06.2020 01:26	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.06.2020 01:26	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	08.06.2020 01:26	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.06.2020 01:26	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.06.2020 01:26	U	1
Total BTEX		<0.00200	0.00200	mg/kg	08.06.2020 01:26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	106	%	70-130	08.06.2020 01:26	
1,4-Difluorobenzene	540-36-3	103	%	70-130	08.06.2020 01:26	

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Solaris Midstream, Midland, TX

Landes Pond

Sample Id:	**SP-2**	Matrix:	Soil	Date Received:	08.05.2020 14:10
Lab Sample Id:	669270-003	Date Collected:	08.05.2020 09:45	Sample Depth:	12 In

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.05.2020 16:05	Basis:	Wet Weight
Seq Number:	3133719				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5310**	50.2	mg/kg	08.05.2020 18:20		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	08.05.2020 14:40	Basis:	Wet Weight
Seq Number:	3133666				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	08.05.2020 17:48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	08.05.2020 17:48	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	08.05.2020 17:48	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	08.05.2020 17:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	08.05.2020 17:48	
o-Terphenyl	84-15-1	102	%	70-135	08.05.2020 17:48	

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Solaris Midstream, Midland, TX

Landes Pond

Sample Id:	**SP-2**	Matrix:	Soil	Date Received:	08.05.2020 14:10
Lab Sample Id:	669270-003	Date Collected:	08.05.2020 09:45	Sample Depth:	12 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.05.2020 17:07	Basis:	Wet Weight
Seq Number:	3133717				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	08.06.2020 01:47	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	08.06.2020 01:47	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	08.06.2020 01:47	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	08.06.2020 01:47	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	08.06.2020 01:47	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	08.06.2020 01:47	U	1
Total BTEX		<0.00198	0.00198	mg/kg	08.06.2020 01:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	107	%	70-130	08.06.2020 01:47	
4-Bromofluorobenzene	460-00-4	102	%	70-130	08.06.2020 01:47	

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Solaris Midstream, Midland, TX

Landes Pond

Sample Id:	**SP-3**	Matrix:	Soil	Date Received:	08.05.2020 14:10
Lab Sample Id:	669270-004	Date Collected:	08.05.2020 10:00	Sample Depth:	12 In

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.05.2020 16:05	Basis:	Wet Weight
Seq Number:	3133719				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**76.1**	10.0	mg/kg	08.05.2020 18:26		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	08.05.2020 14:40	Basis:	Wet Weight
Seq Number:	3133666				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	08.05.2020 18:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	08.05.2020 18:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	08.05.2020 18:08	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	08.05.2020 18:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	08.05.2020 18:08	
o-Terphenyl	84-15-1	98	%	70-135	08.05.2020 18:08	

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Solaris Midstream, Midland, TX

Landes Pond

Sample Id:	**SP-3**	Matrix:	Soil	Date Received:	08.05.2020 14:10
Lab Sample Id:	669270-004	Date Collected:	08.05.2020 10:00	Sample Depth:	12 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.05.2020 17:07	Basis:	Wet Weight
Seq Number:	3133717				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.06.2020 02:07	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	08.06.2020 02:07	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.06.2020 02:07	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	08.06.2020 02:07	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.06.2020 02:07	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.06.2020 02:07	U	1
Total BTEX		<0.00200	0.00200	mg/kg	08.06.2020 02:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	101	%	70-130	08.06.2020 02:07	
1,4-Difluorobenzene	540-36-3	99	%	70-130	08.06.2020 02:07	

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Solaris Midstream, Midland, TX

Landes Pond

Sample Id:	**SP-4**	Matrix:	Soil	Date Received:	08.05.2020 14:10
Lab Sample Id:	669270-005	Date Collected:	08.05.2020 10:05	Sample Depth:	12 In

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.05.2020 16:05	Basis:	Wet Weight
Seq Number:	3133719				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.0	10.0	mg/kg	08.05.2020 18:31	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	08.05.2020 14:40	Basis:	Wet Weight
Seq Number:	3133666				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	08.05.2020 18:28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	08.05.2020 18:28	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	08.05.2020 18:28	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	08.05.2020 18:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	08.05.2020 18:28	
o-Terphenyl	84-15-1	99	%	70-135	08.05.2020 18:28	

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Solaris Midstream, Midland, TX

Landes Pond

Sample Id:	**SP-4**	Matrix:	Soil	Date Received:	08.05.2020 14:10
Lab Sample Id:	669270-005	Date Collected:	08.05.2020 10:05	Sample Depth:	12 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.05.2020 17:25	Basis:	Wet Weight
Seq Number:	3133716				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	08.05.2020 23:29	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	08.05.2020 23:29	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	08.05.2020 23:29	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	08.05.2020 23:29	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	08.05.2020 23:29	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	08.05.2020 23:29	U	1
Total BTEX		<0.00201	0.00201	mg/kg	08.05.2020 23:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	08.05.2020 23:29	
4-Bromofluorobenzene	460-00-4	105	%	70-130	08.05.2020 23:29	

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Solaris Midstream, Midland, TX

Landes Pond

Sample Id:	**SP-5**	Matrix:	Soil	Date Received:	08.05.2020 14:10
Lab Sample Id:	669270-006	Date Collected:	08.05.2020 10:20	Sample Depth:	12 In

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.05.2020 16:05	Basis:	Wet Weight
Seq Number:	3133719				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**41.0**	9.98	mg/kg	08.05.2020 18:48		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	08.05.2020 14:40	Basis:	Wet Weight
Seq Number:	3133666				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.05.2020 18:48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.05.2020 18:48	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.05.2020 18:48	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.05.2020 18:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	08.05.2020 18:48	
o-Terphenyl	84-15-1	98	%	70-135	08.05.2020 18:48	

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Solaris Midstream, Midland, TX

Landes Pond

Sample Id:	**SP-5**	Matrix:	Soil	Date Received:	08.05.2020 14:10
Lab Sample Id:	669270-006	Date Collected:	08.05.2020 10:20	Sample Depth:	12 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.05.2020 17:25	Basis:	Wet Weight
Seq Number:	3133716				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.05.2020 23:52	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	08.05.2020 23:52	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.05.2020 23:52	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	08.05.2020 23:52	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.05.2020 23:52	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.05.2020 23:52	U	1
Total BTEX		<0.00200	0.00200	mg/kg	08.05.2020 23:52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	08.05.2020 23:52	
4-Bromofluorobenzene	460-00-4	106	%	70-130	08.05.2020 23:52	

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Solaris Midstream, Midland, TX

Landes Pond

Sample Id:	**SP-6**	Matrix:	Soil	Date Received:	08.05.2020 14:10
Lab Sample Id:	669270-007	Date Collected:	08.05.2020 10:30	Sample Depth:	12 In

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.05.2020 16:05	Basis:	Wet Weight
Seq Number:	3133719				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2210**	49.8	mg/kg	08.05.2020 18:53		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	08.05.2020 14:40	Basis:	Wet Weight
Seq Number:	3133666				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.05.2020 19:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.05.2020 19:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.05.2020 19:08	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.05.2020 19:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	08.05.2020 19:08	
o-Terphenyl	84-15-1	100	%	70-135	08.05.2020 19:08	

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Solaris Midstream, Midland, TX

Landes Pond

Sample Id:	**SP-6**	Matrix:	Soil	Date Received:	08.05.2020 14:10
Lab Sample Id:	669270-007	Date Collected:	08.05.2020 10:30	Sample Depth:	12 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.05.2020 17:25	Basis:	Wet Weight
Seq Number:	3133716				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	08.06.2020 00:14	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	08.06.2020 00:14	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	08.06.2020 00:14	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	08.06.2020 00:14	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	08.06.2020 00:14	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	08.06.2020 00:14	U	1
Total BTEX		<0.00202	0.00202	mg/kg	08.06.2020 00:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	08.06.2020 00:14	
4-Bromofluorobenzene	460-00-4	101	%	70-130	08.06.2020 00:14	

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Solaris Midstream, Midland, TX

Landes Pond

Sample Id:	**HA-2**	Matrix:	Soil	Date Received:	08.05.2020 14:10
Lab Sample Id:	669270-008	Date Collected:	08.05.2020 10:45	Sample Depth:	12 In

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.05.2020 16:05	Basis:	Wet Weight
Seq Number:	3133719				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**37.9**	9.92	mg/kg	08.05.2020 18:59		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	08.05.2020 14:40	Basis:	Wet Weight
Seq Number:	3133666				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	08.05.2020 19:28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	08.05.2020 19:28	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	08.05.2020 19:28	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	08.05.2020 19:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-135	08.05.2020 19:28	
o-Terphenyl	84-15-1	97	%	70-135	08.05.2020 19:28	

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Solaris Midstream, Midland, TX

Landes Pond

Sample Id:	**HA-2**	Matrix:	Soil	Date Received:	08.05.2020 14:10
Lab Sample Id:	669270-008	Date Collected:	08.05.2020 10:45	Sample Depth:	12 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.05.2020 17:25	Basis:	Wet Weight
Seq Number:	3133716				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	08.06.2020 00:37	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	08.06.2020 00:37	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	08.06.2020 00:37	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	08.06.2020 00:37	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	08.06.2020 00:37	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	08.06.2020 00:37	U	1
Total BTEX		<0.00198	0.00198	mg/kg	08.06.2020 00:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	100	%	70-130	08.06.2020 00:37	
1,4-Difluorobenzene	540-36-3	101	%	70-130	08.06.2020 00:37	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 669270

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Solaris Midstream

Landes Pond

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3133719 — Matrix: Solid — Date Prep: 08.05.2020
MB Sample Id: 7708822-1-BLK — LCS Sample Id: 7708822-1-BKS — LCSD Sample Id: 7708822-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	269	108	268	107	90-110	0	20	mg/kg	08.05.2020 17:46	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3133719 — Matrix: Soil — Date Prep: 08.05.2020
Parent Sample Id: 669270-001 — MS Sample Id: 669270-001 S — MSD Sample Id: 669270-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	1150	199	1340	95	1340	95	90-110	0	20	mg/kg	08.05.2020 18:03	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3133719 — Matrix: Soil — Date Prep: 08.05.2020
Parent Sample Id: 669279-003 — MS Sample Id: 669279-003 S — MSD Sample Id: 669279-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	132	200	334	101	332	100	90-110	1	20	mg/kg	08.05.2020 19:21	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3133666 — Matrix: Solid — Date Prep: 08.05.2020
MB Sample Id: 7708781-1-BLK — LCS Sample Id: 7708781-1-BKS — LCSD Sample Id: 7708781-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	993	99	1000	100	70-135	1	35	mg/kg	08.05.2020 15:25	
Diesel Range Organics (DRO)	<50.0	1000	1040	104	1040	104	70-135	0	35	mg/kg	08.05.2020 15:25	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	104		120		120		70-135	%	08.05.2020 15:25
o-Terphenyl	104		112		110		70-135	%	08.05.2020 15:25

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3133666 — Matrix: Solid — Date Prep: 08.05.2020
MB Sample Id: 7708781-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	08.05.2020 15:05	

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 669270

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Solaris Midstream

Landes Pond

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3133666 Matrix: Soil Date Prep: 08.05.2020
Parent Sample Id: 669190-001 MS Sample Id: 669190-001 S MSD Sample Id: 669190-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	939	94	915	92	70-135	3	35	mg/kg	08.05.2020 16:26	
Diesel Range Organics (DRO)	<50.0	1000	967	97	962	96	70-135	1	35	mg/kg	08.05.2020 16:26	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	118		116		70-135	%	08.05.2020 16:26
o-Terphenyl	106		107		70-135	%	08.05.2020 16:26

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3133717 Matrix: Solid Date Prep: 08.05.2020
MB Sample Id: 7708827-1-BLK LCS Sample Id: 7708827-1-BKS LCSD Sample Id: 7708827-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0987	99	0.0973	97	70-130	1	35	mg/kg	08.05.2020 16:47	
Toluene	<0.00200	0.100	0.0958	96	0.0916	92	70-130	4	35	mg/kg	08.05.2020 16:47	
Ethylbenzene	<0.00200	0.100	0.0999	100	0.0965	97	71-129	3	35	mg/kg	08.05.2020 16:47	
m,p-Xylenes	<0.00400	0.200	0.204	102	0.199	100	70-135	2	35	mg/kg	08.05.2020 16:47	
o-Xylene	<0.00200	0.100	0.103	103	0.0978	98	71-133	5	35	mg/kg	08.05.2020 16:47	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		96		96		70-130	%	08.05.2020 16:47
4-Bromofluorobenzene	104		95		97		70-130	%	08.05.2020 16:47

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3133716 Matrix: Solid Date Prep: 08.05.2020
MB Sample Id: 7708826-1-BLK LCS Sample Id: 7708826-1-BKS LCSD Sample Id: 7708826-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.107	107	0.109	109	70-130	2	35	mg/kg	08.05.2020 19:57	
Toluene	<0.00200	0.100	0.101	101	0.104	104	70-130	3	35	mg/kg	08.05.2020 19:57	
Ethylbenzene	<0.00200	0.100	0.0948	95	0.0970	97	71-129	2	35	mg/kg	08.05.2020 19:57	
m,p-Xylenes	<0.00400	0.200	0.193	97	0.197	99	70-135	2	35	mg/kg	08.05.2020 19:57	
o-Xylene	<0.00200	0.100	0.0949	95	0.0975	98	71-133	3	35	mg/kg	08.05.2020 19:57	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	100		100		99		70-130	%	08.05.2020 19:57
4-Bromofluorobenzene	96		102		103		70-130	%	08.05.2020 19:57

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 669270

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Solaris Midstream

Landes Pond

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3133717 Matrix: Soil Date Prep: 08.05.2020
Parent Sample Id: 669270-001 MS Sample Id: 669270-001 S MSD Sample Id: 669270-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.102	102	0.0957	96	70-130	6	35	mg/kg	08.05.2020 17:28	
Toluene	<0.00200	0.100	0.0980	98	0.0916	92	70-130	7	35	mg/kg	08.05.2020 17:28	
Ethylbenzene	<0.00200	0.100	0.0985	99	0.0922	92	71-129	7	35	mg/kg	08.05.2020 17:28	
m,p-Xylenes	<0.00401	0.200	0.200	100	0.189	95	70-135	6	35	mg/kg	08.05.2020 17:28	
o-Xylene	<0.00200	0.100	0.0999	100	0.0948	95	71-133	5	35	mg/kg	08.05.2020 17:28	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		98		70-130	%	08.05.2020 17:28
4-Bromofluorobenzene	103		100		70-130	%	08.05.2020 17:28

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3133716 Matrix: Soil Date Prep: 08.05.2020
Parent Sample Id: 669287-001 MS Sample Id: 669287-001 S MSD Sample Id: 669287-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.100	0.126	126	0.121	121	70-130	4	35	mg/kg	08.05.2020 20:42	
Toluene	<0.00201	0.100	0.124	124	0.113	113	70-130	9	35	mg/kg	08.05.2020 20:42	
Ethylbenzene	<0.00201	0.100	0.115	115	0.104	104	71-129	10	35	mg/kg	08.05.2020 20:42	
m,p-Xylenes	<0.00402	0.201	0.231	115	0.208	104	70-135	10	35	mg/kg	08.05.2020 20:42	
o-Xylene	<0.00201	0.100	0.113	113	0.102	102	71-133	10	35	mg/kg	08.05.2020 20:42	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		98		70-130	%	08.05.2020 20:42
4-Bromofluorobenzene	102		98		70-130	%	08.05.2020 20:42

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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Chain of Custody

XENCO LABORATORIES

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Crasbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701 www.xenco.com

Work Order No: 616270

Page 1 of 1

Project Manager:	Rob Kirk	Bill to: (if different)	
Company Name:	Solaris Water Midstream	Company Name:	
Address:	3300 Boyd Drive	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	469-978-5620	Email:	Rob.Kirk@solarismidstream.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond	Turn Around	
Project Number:		Routine	☒
Project Location		Rush:	
Sampler's Name:		Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	3.2 / 3.0	Thermometer ID	TNM007
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes (No) N/A	Total Containers:	8

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Pres. Code	Chlorides	BTEX	TPH-8015	Sample Comments
	SP-1	S	8/5/20	9:15AM	12"	1		X	X	X	
	HA-1			9:25AM	12"	1					
	SP-2			9:45AM		1					
	SP-3			10:00AM		1					
	SP-4			10:05AM		1					
	SP-5			10:20AM		1					
	SP-6			10:30AM		1					
	HA-2			10:45AM		1					

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		8/5/20 14:10	2		
			4		
			6		

Revised Date 022619 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
Page 27 of 28

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Solaris Midstream

Date/ Time Received: 08.05.2020 02.10.00 PM

Work Order #: 669270

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T-Nm-007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	3	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	Samples received in bulk containers.
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**No**	
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Elizabeth McClellan Date: 08.05.2020

Checklist reviewed by: Jessica Kramer Date: 08.06.2020

Jessica Kramer

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Certificate of Analysis Summary 675914

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id:

Contact: PM

Project Location: Rural Eddy County

Date Received in Lab: Thu 10.22.2020 15:25

Report Date: 10.26.2020 13:44

Project Manager: Jessica Kramer

Analysis Requested											
	Lab Id:	675914-001		675914-002		675914-003					
	Field Id:	SP1 B @ 2'		SP2 B @ 2'		SP6 B @ 2'					
	Depth:	2- ft		2- ft		2- ft					
	Matrix:	SOIL		SOIL		SOIL					
	Sampled:	10.22.2020 00:00		10.22.2020 00:00		10.22.2020 00:00					
BTEX by EPA 8021B	***Extracted:***	10.22.2020 16:16		10.22.2020 16:16		10.22.2020 16:16					
	Analyzed:	10.23.2020 20:29		10.23.2020 20:51		10.23.2020 22:11					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Benzene		<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198				
Toluene		<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198				
Ethylbenzene		<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198				
m,p-Xylenes		<0.00401	0.00401	<0.00396	0.00396	<0.00395	0.00395				
o-Xylene		<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198				
Total Xylenes		<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198				
Total BTEX		<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198				
Inorganic Anions by EPA 300	***Extracted:***	10.23.2020 08:00		10.23.2020 08:00		10.23.2020 08:00					
	Analyzed:	10.23.2020 09:52		10.23.2020 10:10		10.23.2020 10:16					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		22.1	9.92	32.5	10.0	49.0	9.90				
TPH by SW8015 Mod	***Extracted:***	10.22.2020 17:00		10.22.2020 17:00		10.22.2020 17:00					
	Analyzed:	10.23.2020 14:00		10.23.2020 14:20		10.23.2020 14:41					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.2	50.2	<50.0	50.0	<50.1	50.1				
Diesel Range Organics (DRO)		<50.2	50.2	<50.0	50.0	<50.1	50.1				
Motor Oil Range Hydrocarbons (MRO)		<50.2	50.2	<50.0	50.0	<50.1	50.1				
Total TPH		<50.2	50.2	<50.0	50.0	<50.1	50.1				

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Analytical Report 675914

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

Landes Pond Release

10.26.2020

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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10.26.2020

Project Manager: **PM**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **675914**
Landes Pond Release
Project Address: Rural Eddy County

PM :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 675914. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 675914 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 675914

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP1 B @ 2'	S	10.22.2020 00:00	2 ft	675914-001
SP2 B @ 2'	S	10.22.2020 00:00	2 ft	675914-002
SP6 B @ 2'	S	10.22.2020 00:00	2 ft	675914-003

CASE NARRATIVE

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Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Landes Pond Release

Project ID:
Work Order Number(s): *675914*

Report Date: *10.26.2020*
Date Received: *10.22.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

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Certificate of Analytical Results 675914

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SP1 B @ 2'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675914-001	Date Collected:	10.22.2020 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 08:00	% Moisture:	
Seq Number:	3140529			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**22.1**	9.92	mg/kg	10.23.2020 09:52		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	MAB				
Analyst:	CAC	Date Prep:	10.22.2020 17:00	% Moisture:	
Seq Number:	3140536			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	10.23.2020 14:00	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	10.23.2020 14:00	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	10.23.2020 14:00	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	10.23.2020 14:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	10.23.2020 14:00	
o-Terphenyl	84-15-1	96	%	70-135	10.23.2020 14:00	

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Certificate of Analytical Results 675914

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SP1 B @ 2'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675914-001	Date Collected:	10.22.2020 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.22.2020 16:16	% Moisture:	
Seq Number:	3140546			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	10.23.2020 20:29	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	10.23.2020 20:29	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.23.2020 20:29	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	10.23.2020 20:29	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	10.23.2020 20:29	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	10.23.2020 20:29	U	1
Total BTEX		<0.00200	0.00200	mg/kg	10.23.2020 20:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	10.23.2020 20:29	
4-Bromofluorobenzene	460-00-4	113	%	70-130	10.23.2020 20:29	

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Certificate of Analytical Results 675914

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SP2 B @ 2'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675914-002	Date Collected:	10.22.2020 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 08:00	% Moisture:	
Seq Number:	3140529			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**32.5**	10.0	mg/kg	10.23.2020 10:10		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	MAB				
Analyst:	CAC	Date Prep:	10.22.2020 17:00	% Moisture:	
Seq Number:	3140536			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.23.2020 14:20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	10.23.2020 14:20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.23.2020 14:20	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.23.2020 14:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	10.23.2020 14:20	
o-Terphenyl	84-15-1	98	%	70-135	10.23.2020 14:20	

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Certificate of Analytical Results 675914

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SP2 B @ 2'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675914-002	Date Collected:	10.22.2020 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.22.2020 16:16	% Moisture:	
Seq Number:	3140546			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	10.23.2020 20:51	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	10.23.2020 20:51	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	10.23.2020 20:51	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	10.23.2020 20:51	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	10.23.2020 20:51	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	10.23.2020 20:51	U	1
Total BTEX		<0.00198	0.00198	mg/kg	10.23.2020 20:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	10.23.2020 20:51	
4-Bromofluorobenzene	460-00-4	113	%	70-130	10.23.2020 20:51	

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Certificate of Analytical Results 675914

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SP6 B @ 2'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675914-003	Date Collected:	10.22.2020 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 08:00	% Moisture:	
Seq Number:	3140529			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**49.0**	9.90	mg/kg	10.23.2020 10:16		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	MAB				
Analyst:	CAC	Date Prep:	10.22.2020 17:00	% Moisture:	
Seq Number:	3140536			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	10.23.2020 14:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	10.23.2020 14:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	10.23.2020 14:41	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	10.23.2020 14:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	10.23.2020 14:41	
o-Terphenyl	84-15-1	108	%	70-135	10.23.2020 14:41	

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Certificate of Analytical Results 675914

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SP6 B @ 2'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675914-003	Date Collected:	10.22.2020 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.22.2020 16:16	% Moisture:	
Seq Number:	3140546			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	10.23.2020 22:11	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	10.23.2020 22:11	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	10.23.2020 22:11	U	1
m,p-Xylenes	179601-23-1	<0.00395	0.00395	mg/kg	10.23.2020 22:11	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	10.23.2020 22:11	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	10.23.2020 22:11	U	1
Total BTEX		<0.00198	0.00198	mg/kg	10.23.2020 22:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	10.23.2020 22:11	
4-Bromofluorobenzene	460-00-4	112	%	70-130	10.23.2020 22:11	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 675914

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3140529 — Matrix: Solid — Date Prep: 10.23.2020
MB Sample Id: 7713818-1-BLK — LCS Sample Id: 7713818-1-BKS — LCSD Sample Id: 7713818-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	251	100	245	98	90-110	2	20	mg/kg	10.23.2020 09:40	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3140529 — Matrix: Soil — Date Prep: 10.23.2020
Parent Sample Id: 675914-001 — MS Sample Id: 675914-001 S — MSD Sample Id: 675914-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	22.1	199	216	97	214	96	90-110	1	20	mg/kg	10.23.2020 09:58	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3140529 — Matrix: Soil — Date Prep: 10.23.2020
Parent Sample Id: 675916-008 — MS Sample Id: 675916-008 S — MSD Sample Id: 675916-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	200	210	105	209	105	90-110	0	20	mg/kg	10.23.2020 11:21	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3140536 — Matrix: Solid — Date Prep: 10.22.2020
MB Sample Id: 7713812-1-BLK — LCS Sample Id: 7713812-1-BKS — LCSD Sample Id: 7713812-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1160	116	1070	107	70-135	8	35	mg/kg	10.23.2020 11:18	
Diesel Range Organics (DRO)	<50.0	1000	1110	111	1100	110	70-135	1	35	mg/kg	10.23.2020 11:18	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	133		133		128		70-135	%	10.23.2020 11:18
o-Terphenyl	116		123		105		70-135	%	10.23.2020 11:18

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3140536 — Matrix: Solid — Date Prep: 10.22.2020
MB Sample Id: 7713812-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	10.23.2020 10:58	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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QC Summary 675914

Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3140536 Matrix: Soil Date Prep: 10.22.2020
Parent Sample Id: 675810-001 MS Sample Id: 675810-001 S MSD Sample Id: 675810-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.1	1000	800	80	849	85	70-135	6	35	mg/kg	10.23.2020 12:39	
Diesel Range Organics (DRO)	<50.1	1000	875	88	895	90	70-135	2	35	mg/kg	10.23.2020 12:39	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	127		129		70-135	%	10.23.2020 12:39
o-Terphenyl	99		101		70-135	%	10.23.2020 12:39

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3140546 Matrix: Solid Date Prep: 10.22.2020
MB Sample Id: 7713744-1-BLK LCS Sample Id: 7713744-1-BKS LCSD Sample Id: 7713744-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0926	93	0.0939	94	70-130	1	35	mg/kg	10.23.2020 14:14	
Toluene	<0.00200	0.100	0.104	104	0.101	101	70-130	3	35	mg/kg	10.23.2020 14:14	
Ethylbenzene	<0.00200	0.100	0.0875	88	0.0900	90	71-129	3	35	mg/kg	10.23.2020 14:14	
m,p-Xylenes	<0.00400	0.200	0.178	89	0.178	89	70-135	0	35	mg/kg	10.23.2020 14:14	
o-Xylene	<0.00200	0.100	0.0889	89	0.0905	91	71-133	2	35	mg/kg	10.23.2020 14:14	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	107		100		98		70-130	%	10.23.2020 14:14
4-Bromofluorobenzene	116		108		104		70-130	%	10.23.2020 14:14

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3140546 Matrix: Soil Date Prep: 10.22.2020
Parent Sample Id: 675674-016 MS Sample Id: 675674-016 S MSD Sample Id: 675674-016 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.107	107	0.0943	94	70-130	13	35	mg/kg	10.23.2020 14:59	
Toluene	0.0142	0.100	0.117	103	0.103	89	70-130	13	35	mg/kg	10.23.2020 14:59	
Ethylbenzene	<0.00200	0.100	0.101	101	0.0900	90	71-129	12	35	mg/kg	10.23.2020 14:59	
m,p-Xylenes	<0.00401	0.200	0.204	102	0.180	90	70-135	13	35	mg/kg	10.23.2020 14:59	
o-Xylene	<0.00200	0.100	0.0999	100	0.0916	92	71-133	9	35	mg/kg	10.23.2020 14:59	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	100		105		70-130	%	10.23.2020 14:59
4-Bromofluorobenzene	109		109		70-130	%	10.23.2020 14:59

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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Chain of Custody

XENCO

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 675914

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Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Solaris Water Midstream
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/US ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13761	Routine:	☑
Project Location	Rural Eddy county	Rush:	☐
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes / No	Wet Ice:	Yes / No
Temperature (°C):	5.2/5.0	Thermometer ID	TNM007
Received Intact:	Yes / No		
Cooler Custody Seals:	Yes / No / N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes / No / N/A	Total Containers:	3

ANALYSIS REQUEST

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005	Sample Comments
SP1B @2'	Soil	10.22.20		2'	1	X	X	X		
SP2B @2'	Soil	10.22.20		2'	1	X	X	X		
SP6B @2'	Soil	10.22.20		2'	1	X	X	X		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		10/22/20 15:25	2		
3			4		
5			6		

Revised Date 101419 Rev 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
Page 15 of 16

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 10.22.2020 03.25.00 PM

Work Order #: 675914

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	5	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	Samples received in bulk containers.
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**No**	
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 10.22.2020

Checklist reviewed by: Jessica Kramer Date: 10.23.2020

Jessica Kramer

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Certificate of Analysis Summary 675916

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Thu 10.22.2020 15:25
Report Date: 10.26.2020 16:28
Project Manager: Jessica Kramer

Analysis Requested		675916-001		675916-002		675916-003		675916-004		675916-005		675916-006	
	Field Id:	NH 1 @ Surface		NH 1 @ 1'		NH 2 @ Surface		NH 2 @ 1'		EH 1 @ Surface		EH 1 @ 1'	
	Depth:			1- ft				1- ft				1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	10.22.2020 00:00		10.22.2020 00:00		10.22.2020 00:00		10.22.2020 00:00		10.22.2020 00:00		10.22.2020 00:00	
BTEX by EPA 8021B	*Extracted:*	10.22.2020 16:16		10.22.2020 16:16		10.22.2020 16:16		10.22.2020 16:16		10.22.2020 16:16		10.22.2020 16:16	
	Analyzed:	10.23.2020 22:33		10.23.2020 22:55		10.23.2020 23:18		10.23.2020 23:40		10.24.2020 00:03		10.24.2020 00:25	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Toluene		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Ethylbenzene		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
m,p-Xylenes		<0.00398	0.00398	<0.00403	0.00403	<0.00399	0.00399	<0.00400	0.00400	<0.00398	0.00398	<0.00398	0.00398
o-Xylene		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Total Xylenes		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Total BTEX		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Inorganic Anions by EPA 300	*Extracted:*	10.23.2020 08:00		10.23.2020 08:00		10.23.2020 08:00		10.23.2020 08:00		10.23.2020 08:00		10.23.2020 08:00	
	Analyzed:	10.23.2020 10:22		10.23.2020 10:27		10.23.2020 10:45		10.23.2020 10:51		10.23.2020 10:57		10.23.2020 11:03	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		202	49.6	223	49.9	188	50.1	155	50.1	<10.1	10.1	45.1	10.0
TPH by SW8015 Mod	*Extracted:*	10.22.2020 17:00		10.22.2020 17:00		10.22.2020 17:00		10.22.2020 17:00		10.22.2020 17:00		10.22.2020 17:00	
	Analyzed:	10.23.2020 15:01		10.23.2020 15:21		10.23.2020 15:41		10.23.2020 16:01		10.23.2020 16:42		10.23.2020 17:01	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.1	50.1	<50.2	50.2	<49.8	49.8	<50.1	50.1	<49.9	49.9	<50.3	50.3
Diesel Range Organics (DRO)		<50.1	50.1	<50.2	50.2	<49.8	49.8	<50.1	50.1	<49.9	49.9	<50.3	50.3
Motor Oil Range Hydrocarbons (MRO)		<50.1	50.1	<50.2	50.2	<49.8	49.8	<50.1	50.1	<49.9	49.9	<50.3	50.3
Total TPH		<50.1	50.1	<50.2	50.2	<49.8	49.8	<50.1	50.1	<49.9	49.9	<50.3	50.3

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 675916

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Thu 10.22.2020 15:25
Report Date: 10.26.2020 16:28
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	675916-007		675916-008		675916-009		675916-010		675916-011		675916-012	
	Field Id:	SH 1 @ Surface		SH 1 @ 1'		SH 2 @ Surface		SH 2 @ 1'		WH 1 @ Surface		WH 1 @ 1'	
	Depth:			1- ft				1- ft				1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	10.22.2020 00:00		10.22.2020 00:00		10.22.2020 00:00		10.22.2020 00:00		10.22.2020 00:00		10.22.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	10.22.2020 16:16		10.22.2020 16:16		10.22.2020 16:16		10.23.2020 09:36		10.23.2020 09:36		10.23.2020 09:36	
	Analyzed:	10.24.2020 00:47		10.24.2020 01:10		10.24.2020 01:32		10.23.2020 13:21		10.23.2020 13:43		10.23.2020 14:28	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00202	0.00202
Toluene		<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00202	0.00202
Ethylbenzene		<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00202	0.00202
m,p-Xylenes		<0.00402	0.00402	<0.00404	0.00404	<0.00399	0.00399	<0.00402	0.00402	<0.00402	0.00402	<0.00403	0.00403
o-Xylene		<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00202	0.00202
Total Xylenes		<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00202	0.00202
Total BTEX		<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00202	0.00202
Inorganic Anions by EPA 300	***Extracted:***	10.23.2020 08:00		10.23.2020 08:00		10.23.2020 08:00		10.23.2020 08:00		10.23.2020 08:00		10.23.2020 08:00	
	Analyzed:	10.23.2020 11:09		10.23.2020 11:15		10.23.2020 11:33		10.23.2020 11:39		10.23.2020 11:45		10.23.2020 12:03	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		27.1	9.96	<9.98	9.98	168	50.1	180	50.4	51.7	10.1	7370	198
TPH by SW8015 Mod	***Extracted:***	10.22.2020 17:00		10.22.2020 17:00		10.22.2020 17:00		10.22.2020 17:00		10.22.2020 17:00		10.22.2020 17:00	
	Analyzed:	10.23.2020 17:22		10.23.2020 17:42		10.23.2020 18:02		10.23.2020 18:22		10.23.2020 18:42		10.23.2020 19:03	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.2	50.2	<50.0	50.0	<50.2	50.2	<50.0	50.0	<49.8	49.8
Diesel Range Organics (DRO)		<50.0	50.0	<50.2	50.2	<50.0	50.0	<50.2	50.2	<50.0	50.0	<49.8	49.8
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.2	50.2	<50.0	50.0	<50.2	50.2	<50.0	50.0	<49.8	49.8
Total TPH		<50.0	50.0	<50.2	50.2	<50.0	50.0	<50.2	50.2	<50.0	50.0	<49.8	49.8

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 675916

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Thu 10.22.2020 15:25
Report Date: 10.26.2020 16:28
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	675916-013		675916-014		675916-015		675916-016		675916-017		675916-018	
	Field Id:	SP 1 @ Surface		SP 1 @ 1'		SP 2 @ Surface		SP 2 @ 1'		SP 3 @ Surface		SP 3 @ 1'	
	Depth:			1- ft				1- ft				1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	10.22.2020 00:00		10.22.2020 00:00		10.22.2020 00:00		10.22.2020 00:00		10.22.2020 00:00		10.22.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	10.23.2020 09:36		10.23.2020 09:36		10.23.2020 09:36		10.23.2020 09:36		10.23.2020 09:36		10.23.2020 09:36	
	Analyzed:	10.23.2020 18:21		10.23.2020 18:44		10.23.2020 19:06		10.23.2020 19:28		10.23.2020 19:51		10.23.2020 20:13	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Toluene		<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Ethylbenzene		<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
m,p-Xylenes		<0.00398	0.00398	<0.00399	0.00399	<0.00398	0.00398	<0.00399	0.00399	<0.00401	0.00401	<0.00398	0.00398
o-Xylene		<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Total Xylenes		<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Total BTEX		<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Inorganic Anions by EPA 300	***Extracted:***	10.23.2020 08:00		10.23.2020 08:00		10.23.2020 08:00		10.23.2020 08:00		10.23.2020 08:00		10.23.2020 13:07	
	Analyzed:	10.23.2020 12:09		10.23.2020 12:15		10.23.2020 12:21		10.23.2020 12:27		10.23.2020 12:33		10.23.2020 13:09	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		356	9.96	52.9	9.90	7690	200	426	9.92	11200	200	339	9.90
TPH by SW8015 Mod	***Extracted:***	10.22.2020 17:00		10.22.2020 17:00		10.22.2020 17:00		10.22.2020 17:00		10.22.2020 17:00		10.22.2020 17:00	
	Analyzed:	10.23.2020 19:23		10.23.2020 19:43		10.23.2020 12:19		10.23.2020 13:20		10.23.2020 13:40		10.23.2020 14:00	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.2	50.2	<49.8	49.8
Diesel Range Organics (DRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.2	50.2	<49.8	49.8
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.2	50.2	<49.8	49.8
Total TPH		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.2	50.2	<49.8	49.8

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 675916

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Thu 10.22.2020 15:25
Report Date: 10.26.2020 16:28
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	675916-019		675916-020		675916-021		675916-022					
	Field Id:	SP 4 @ Surface		SP 4 @ 1'		SP 5 @ Surface		SP 5 @ 1'					
	Depth:			1- ft				1- ft					
	Matrix:	SOIL		SOIL		SOIL		SOIL					
	Sampled:	10.22.2020 00:00		10.22.2020 00:00		10.22.2020 00:00		10.22.2020 00:00					
BTEX by EPA 8021B	***Extracted:***	10.23.2020 09:36		10.23.2020 09:36		10.23.2020 09:36		10.23.2020 09:36					
	Analyzed:	10.23.2020 20:36		10.23.2020 22:18		10.23.2020 22:40		10.23.2020 23:03					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Benzene		<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202				
Toluene		<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202				
Ethylbenzene		<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202				
m,p-Xylenes		<0.00398	0.00398	<0.00399	0.00399	<0.00404	0.00404	<0.00404	0.00404				
o-Xylene		<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202				
Total Xylenes		<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202				
Total BTEX		<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202				
Inorganic Anions by EPA 300	***Extracted:***	10.23.2020 13:07		10.23.2020 13:07		10.23.2020 13:07		10.23.2020 13:07					
	Analyzed:	10.23.2020 13:27		10.23.2020 13:33		10.23.2020 13:39		10.23.2020 13:45					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		420	49.5	119	9.92	5370	49.9	153	9.90				
TPH by SW8015 Mod	***Extracted:***	10.22.2020 17:00		10.22.2020 17:00		10.22.2020 17:00		10.22.2020 17:00					
	Analyzed:	10.23.2020 14:20		10.23.2020 14:41		10.23.2020 15:01		10.23.2020 15:21					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<50.1	50.1	<50.3	50.3	<50.2	50.2				
Diesel Range Organics (DRO)		<49.9	49.9	<50.1	50.1	<50.3	50.3	<50.2	50.2				
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<50.1	50.1	<50.3	50.3	<50.2	50.2				
Total TPH		<49.9	49.9	<50.1	50.1	<50.3	50.3	<50.2	50.2				

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Analytical Report 675916

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

Landes Pond Release

13261

10.26.2020

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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10.26.2020

Project Manager: **PM**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **675916**
Landes Pond Release
Project Address: Rural Eddy County

PM :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 675916. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 675916 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 675916

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
NH 1 @ Surface	S	10.22.2020 00:00		675916-001
NH 1 @ 1'	S	10.22.2020 00:00	1 ft	675916-002
NH 2 @ Surface	S	10.22.2020 00:00		675916-003
NH 2 @ 1'	S	10.22.2020 00:00	1 ft	675916-004
EH 1 @ Surface	S	10.22.2020 00:00		675916-005
EH 1 @ 1'	S	10.22.2020 00:00	1 ft	675916-006
SH 1 @ Surface	S	10.22.2020 00:00		675916-007
SH 1 @ 1'	S	10.22.2020 00:00	1 ft	675916-008
SH 2 @ Surface	S	10.22.2020 00:00		675916-009
SH 2 @ 1'	S	10.22.2020 00:00	1 ft	675916-010
WH 1 @ Surface	S	10.22.2020 00:00		675916-011
WH 1 @ 1'	S	10.22.2020 00:00	1 ft	675916-012
SP 1 @ Surface	S	10.22.2020 00:00		675916-013
SP 1 @ 1'	S	10.22.2020 00:00	1 ft	675916-014
SP 2 @ Surface	S	10.22.2020 00:00		675916-015
SP 2 @ 1'	S	10.22.2020 00:00	1 ft	675916-016
SP 3 @ Surface	S	10.22.2020 00:00		675916-017
SP 3 @ 1'	S	10.22.2020 00:00	1 ft	675916-018
SP 4 @ Surface	S	10.22.2020 00:00		675916-019
SP 4 @ 1'	S	10.22.2020 00:00	1 ft	675916-020
SP 5 @ Surface	S	10.22.2020 00:00		675916-021
SP 5 @ 1'	S	10.22.2020 00:00	1 ft	675916-022

CASE NARRATIVE

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Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Landes Pond Release

Project ID: *13261*
Work Order Number(s): *675916*

Report Date: *10.26.2020*
Date Received: *10.22.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

eurofins | Environment Testing Xenco

Certificate of Analytical Results 675916

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id: **NH 1 @ Surface** Matrix: Soil Date Received:10.22.2020 15:25

Lab Sample Id: 675916-001 Date Collected: 10.22.2020 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 10.23.2020 08:00 % Moisture:

Seq Number: 3140529 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**202**	49.6	mg/kg	10.23.2020 10:22		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: MAB

Analyst: CAC Date Prep: 10.22.2020 17:00 % Moisture:

Seq Number: 3140536 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	10.23.2020 15:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	10.23.2020 15:01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	10.23.2020 15:01	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	10.23.2020 15:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	10.23.2020 15:01	
o-Terphenyl	84-15-1	103	%	70-135	10.23.2020 15:01	

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Certificate of Analytical Results 675916

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Landes Pond Release

Sample Id:	**NH 1 @ Surface**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-001	Date Collected:	10.22.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.22.2020 16:16	% Moisture:	
Seq Number:	3140546			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	10.23.2020 22:33	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	10.23.2020 22:33	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	10.23.2020 22:33	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	10.23.2020 22:33	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	10.23.2020 22:33	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	10.23.2020 22:33	U	1
Total BTEX		<0.00199	0.00199	mg/kg	10.23.2020 22:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	10.23.2020 22:33	
4-Bromofluorobenzene	460-00-4	115	%	70-130	10.23.2020 22:33	

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Landes Pond Release

Sample Id:	**NH 1 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-002	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: MAB
Analyst: MAB
Seq Number: 3140529

Date Prep: 10.23.2020 08:00

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**223**	49.9	mg/kg	10.23.2020 10:27		5

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: MAB
Analyst: CAC
Seq Number: 3140536

Date Prep: 10.22.2020 17:00

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	10.23.2020 15:21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	10.23.2020 15:21	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	10.23.2020 15:21	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	10.23.2020 15:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	10.23.2020 15:21	
o-Terphenyl	84-15-1	106	%	70-135	10.23.2020 15:21	

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Landes Pond Release

Sample Id:	**NH 1 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-002	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.22.2020 16:16	% Moisture:	
Seq Number:	3140546			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	10.23.2020 22:55	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	10.23.2020 22:55	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	10.23.2020 22:55	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	10.23.2020 22:55	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	10.23.2020 22:55	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	10.23.2020 22:55	U	1
Total BTEX		<0.00202	0.00202	mg/kg	10.23.2020 22:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	10.23.2020 22:55	
4-Bromofluorobenzene	460-00-4	120	%	70-130	10.23.2020 22:55	

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Landes Pond Release

Sample Id: **NH 2 @ Surface** Matrix: Soil Date Received:10.22.2020 15:25

Lab Sample Id: 675916-003 Date Collected: 10.22.2020 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 10.23.2020 08:00 % Moisture:

Seq Number: 3140529 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**188**	50.1	mg/kg	10.23.2020 10:45		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: MAB

Analyst: CAC Date Prep: 10.22.2020 17:00 % Moisture:

Seq Number: 3140536 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	10.23.2020 15:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	10.23.2020 15:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	10.23.2020 15:41	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	10.23.2020 15:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-135	10.23.2020 15:41	
o-Terphenyl	84-15-1	110	%	70-135	10.23.2020 15:41	

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Landes Pond Release

Sample Id:	**NH 2 @ Surface**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-003	Date Collected:	10.22.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.22.2020 16:16	% Moisture:	
Seq Number:	3140546			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	10.23.2020 23:18	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	10.23.2020 23:18	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.23.2020 23:18	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	10.23.2020 23:18	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	10.23.2020 23:18	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	10.23.2020 23:18	U	1
Total BTEX		<0.00200	0.00200	mg/kg	10.23.2020 23:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	115	%	70-130	10.23.2020 23:18	
1,4-Difluorobenzene	540-36-3	107	%	70-130	10.23.2020 23:18	

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Landes Pond Release

Sample Id: **NH 2 @ 1'** Matrix: Soil Date Received:10.22.2020 15:25
Lab Sample Id: 675916-004 Date Collected: 10.22.2020 00:00 Sample Depth: 1 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 10.23.2020 08:00 % Moisture:
Seq Number: 3140529 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**155**	50.1	mg/kg	10.23.2020 10:51		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: MAB
Analyst: CAC Date Prep: 10.22.2020 17:00 % Moisture:
Seq Number: 3140536 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	10.23.2020 16:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	10.23.2020 16:01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	10.23.2020 16:01	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	10.23.2020 16:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	10.23.2020 16:01	
o-Terphenyl	84-15-1	103	%	70-135	10.23.2020 16:01	

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Landes Pond Release

Sample Id:	**NH 2 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-004	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.22.2020 16:16	% Moisture:	
Seq Number:	3140546			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	10.23.2020 23:40	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	10.23.2020 23:40	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.23.2020 23:40	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	10.23.2020 23:40	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	10.23.2020 23:40	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	10.23.2020 23:40	U	1
Total BTEX		<0.00200	0.00200	mg/kg	10.23.2020 23:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	120	%	70-130	10.23.2020 23:40	
1,4-Difluorobenzene	540-36-3	111	%	70-130	10.23.2020 23:40	

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Landes Pond Release

Sample Id: **EH 1 @ Surface** Matrix: Soil Date Received:10.22.2020 15:25

Lab Sample Id: 675916-005 Date Collected: 10.22.2020 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 10.23.2020 08:00 % Moisture:

Seq Number: 3140529 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.1	10.1	mg/kg	10.23.2020 10:57	U	1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: MAB

Analyst: CAC Date Prep: 10.22.2020 17:00 % Moisture:

Seq Number: 3140536 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	10.23.2020 16:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	10.23.2020 16:42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	10.23.2020 16:42	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	10.23.2020 16:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	10.23.2020 16:42	
o-Terphenyl	84-15-1	106	%	70-135	10.23.2020 16:42	

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Landes Pond Release

Sample Id:	**EH 1 @ Surface**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-005	Date Collected:	10.22.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.22.2020 16:16	% Moisture:	
Seq Number:	3140546			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	10.24.2020 00:03	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	10.24.2020 00:03	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	10.24.2020 00:03	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	10.24.2020 00:03	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	10.24.2020 00:03	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	10.24.2020 00:03	U	1
Total BTEX		<0.00199	0.00199	mg/kg	10.24.2020 00:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	122	%	70-130	10.24.2020 00:03	
1,4-Difluorobenzene	540-36-3	108	%	70-130	10.24.2020 00:03	

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Landes Pond Release

Sample Id:	**EH 1 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-006	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 08:00	% Moisture:	
Seq Number:	3140529			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**45.1**	10.0	mg/kg	10.23.2020 11:03		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	MAB				
Analyst:	CAC	Date Prep:	10.22.2020 17:00	% Moisture:	
Seq Number:	3140536			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	10.23.2020 17:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	10.23.2020 17:01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	10.23.2020 17:01	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	10.23.2020 17:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	10.23.2020 17:01	
o-Terphenyl	84-15-1	107	%	70-135	10.23.2020 17:01	

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Landes Pond Release

Sample Id:	**EH 1 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-006	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.22.2020 16:16	% Moisture:	
Seq Number:	3140546			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	10.24.2020 00:25	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	10.24.2020 00:25	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	10.24.2020 00:25	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	10.24.2020 00:25	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	10.24.2020 00:25	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	10.24.2020 00:25	U	1
Total BTEX		<0.00199	0.00199	mg/kg	10.24.2020 00:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	70-130	10.24.2020 00:25	
1,4-Difluorobenzene	540-36-3	107	%	70-130	10.24.2020 00:25	

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Landes Pond Release

Sample Id: **SH 1 @ Surface** Matrix: Soil Date Received:10.22.2020 15:25

Lab Sample Id: 675916-007 Date Collected: 10.22.2020 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 10.23.2020 08:00 % Moisture:

Seq Number: 3140529 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**27.1**	9.96	mg/kg	10.23.2020 11:09		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: MAB

Analyst: CAC Date Prep: 10.22.2020 17:00 % Moisture:

Seq Number: 3140536 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.23.2020 17:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	10.23.2020 17:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.23.2020 17:22	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.23.2020 17:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	10.23.2020 17:22	
o-Terphenyl	84-15-1	101	%	70-135	10.23.2020 17:22	

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Landes Pond Release

Sample Id:	**SH 1 @ Surface**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-007	Date Collected:	10.22.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.22.2020 16:16	% Moisture:	
Seq Number:	3140546			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	10.24.2020 00:47	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	10.24.2020 00:47	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	10.24.2020 00:47	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	10.24.2020 00:47	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	10.24.2020 00:47	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	10.24.2020 00:47	U	1
Total BTEX		<0.00201	0.00201	mg/kg	10.24.2020 00:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	117	%	70-130	10.24.2020 00:47	
1,4-Difluorobenzene	540-36-3	106	%	70-130	10.24.2020 00:47	

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Landes Pond Release

Sample Id:	**SH 1 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-008	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 08:00	% Moisture:	
Seq Number:	3140529			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.98	9.98	mg/kg	10.23.2020 11:15	U	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	MAB				
Analyst:	CAC	Date Prep:	10.22.2020 17:00	% Moisture:	
Seq Number:	3140536			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	10.23.2020 17:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	10.23.2020 17:42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	10.23.2020 17:42	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	10.23.2020 17:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-135	10.23.2020 17:42	
o-Terphenyl	84-15-1	108	%	70-135	10.23.2020 17:42	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SH 1 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-008	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.22.2020 16:16	% Moisture:	
Seq Number:	3140546			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	10.24.2020 01:10	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	10.24.2020 01:10	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	10.24.2020 01:10	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	10.24.2020 01:10	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	10.24.2020 01:10	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	10.24.2020 01:10	U	1
Total BTEX		<0.00202	0.00202	mg/kg	10.24.2020 01:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	10.24.2020 01:10	
1,4-Difluorobenzene	540-36-3	106	%	70-130	10.24.2020 01:10	

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Landes Pond Release

Sample Id:	**SH 2 @ Surface**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-009	Date Collected:	10.22.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 08:00	% Moisture:	
Seq Number:	3140529			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**168**	50.1	mg/kg	10.23.2020 11:33		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	MAB				
Analyst:	CAC	Date Prep:	10.22.2020 17:00	% Moisture:	
Seq Number:	3140536			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.23.2020 18:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	10.23.2020 18:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.23.2020 18:02	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.23.2020 18:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-135	10.23.2020 18:02	
o-Terphenyl	84-15-1	106	%	70-135	10.23.2020 18:02	

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Landes Pond Release

Sample Id:	**SH 2 @ Surface**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-009	Date Collected:	10.22.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.22.2020 16:16	% Moisture:	
Seq Number:	3140546			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	10.24.2020 01:32	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	10.24.2020 01:32	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.24.2020 01:32	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	10.24.2020 01:32	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	10.24.2020 01:32	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	10.24.2020 01:32	U	1
Total BTEX		<0.00200	0.00200	mg/kg	10.24.2020 01:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	10.24.2020 01:32	
4-Bromofluorobenzene	460-00-4	115	%	70-130	10.24.2020 01:32	

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Landes Pond Release

Sample Id:	**SH 2 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-010	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 10.23.2020 08:00 % Moisture:

Seq Number: 3140529 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**180**	50.4	mg/kg	10.23.2020 11:39		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: MAB

Analyst: CAC Date Prep: 10.22.2020 17:00 % Moisture:

Seq Number: 3140536 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	10.23.2020 18:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	10.23.2020 18:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	10.23.2020 18:22	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	10.23.2020 18:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	114	%	70-135	10.23.2020 18:22	
o-Terphenyl	84-15-1	107	%	70-135	10.23.2020 18:22	

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Landes Pond Release

Sample Id:	**SH 2 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-010	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 09:36	% Moisture:	
Seq Number:	3140543			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	10.23.2020 13:21	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	10.23.2020 13:21	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	10.23.2020 13:21	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	10.23.2020 13:21	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	10.23.2020 13:21	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	10.23.2020 13:21	U	1
Total BTEX		<0.00201	0.00201	mg/kg	10.23.2020 13:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	10.23.2020 13:21	
4-Bromofluorobenzene	460-00-4	87	%	70-130	10.23.2020 13:21	

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Landes Pond Release

Sample Id: **WH 1 @ Surface** Matrix: Soil Date Received:10.22.2020 15:25

Lab Sample Id: 675916-011 Date Collected: 10.22.2020 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 10.23.2020 08:00 % Moisture:

Seq Number: 3140529 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**51.7**	10.1	mg/kg	10.23.2020 11:45		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: MAB

Analyst: CAC Date Prep: 10.22.2020 17:00 % Moisture:

Seq Number: 3140536 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.23.2020 18:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	10.23.2020 18:42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.23.2020 18:42	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.23.2020 18:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	10.23.2020 18:42	
o-Terphenyl	84-15-1	101	%	70-135	10.23.2020 18:42	

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Landes Pond Release

Sample Id:	**WH 1 @ Surface**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-011	Date Collected:	10.22.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 09:36	% Moisture:	
Seq Number:	3140543			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	10.23.2020 13:43	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	10.23.2020 13:43	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	10.23.2020 13:43	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	10.23.2020 13:43	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	10.23.2020 13:43	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	10.23.2020 13:43	U	1
Total BTEX		<0.00201	0.00201	mg/kg	10.23.2020 13:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	87	%	70-130	10.23.2020 13:43	
1,4-Difluorobenzene	540-36-3	100	%	70-130	10.23.2020 13:43	

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Landes Pond Release

Sample Id:	**WH 1 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-012	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 08:00	% Moisture:	
Seq Number:	3140529			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**7370**	198	mg/kg	10.23.2020 12:03		20

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	MAB				
Analyst:	CAC	Date Prep:	10.22.2020 17:00	% Moisture:	
Seq Number:	3140536			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	10.23.2020 19:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	10.23.2020 19:03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	10.23.2020 19:03	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	10.23.2020 19:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	10.23.2020 19:03	
o-Terphenyl	84-15-1	102	%	70-135	10.23.2020 19:03	

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Landes Pond Release

Sample Id:	**WH 1 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-012	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 09:36	% Moisture:	
Seq Number:	3140543			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	10.23.2020 14:28	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	10.23.2020 14:28	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	10.23.2020 14:28	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	10.23.2020 14:28	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	10.23.2020 14:28	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	10.23.2020 14:28	U	1
Total BTEX		<0.00202	0.00202	mg/kg	10.23.2020 14:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	70-130	10.23.2020 14:28	
1,4-Difluorobenzene	540-36-3	102	%	70-130	10.23.2020 14:28	

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Landes Pond Release

Sample Id: **SP 1 @ Surface** Matrix: Soil Date Received:10.22.2020 15:25

Lab Sample Id: 675916-013 Date Collected: 10.22.2020 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 10.23.2020 08:00 % Moisture:

Seq Number: 3140529 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**356**	9.96	mg/kg	10.23.2020 12:09		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: MAB

Analyst: CAC Date Prep: 10.22.2020 17:00 % Moisture:

Seq Number: 3140536 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.23.2020 19:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	10.23.2020 19:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.23.2020 19:23	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.23.2020 19:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	10.23.2020 19:23	
o-Terphenyl	84-15-1	104	%	70-135	10.23.2020 19:23	

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Landes Pond Release

Sample Id:	**SP 1 @ Surface**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-013	Date Collected:	10.22.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 09:36	% Moisture:	
Seq Number:	3140543			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	10.23.2020 18:21	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	10.23.2020 18:21	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	10.23.2020 18:21	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	10.23.2020 18:21	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	10.23.2020 18:21	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	10.23.2020 18:21	U	1
Total BTEX		<0.00199	0.00199	mg/kg	10.23.2020 18:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	87	%	70-130	10.23.2020 18:21	
1,4-Difluorobenzene	540-36-3	98	%	70-130	10.23.2020 18:21	

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Landes Pond Release

Sample Id:	**SP 1 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-014	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 08:00	% Moisture:	
Seq Number:	3140529			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**52.9**	9.90	mg/kg	10.23.2020 12:15		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	MAB				
Analyst:	CAC	Date Prep:	10.22.2020 17:00	% Moisture:	
Seq Number:	3140536			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.23.2020 19:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	10.23.2020 19:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.23.2020 19:43	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.23.2020 19:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-135	10.23.2020 19:43	
o-Terphenyl	84-15-1	108	%	70-135	10.23.2020 19:43	

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Landes Pond Release

Sample Id:	**SP 1 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-014	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 09:36	% Moisture:	
Seq Number:	3140543			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	10.23.2020 18:44	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	10.23.2020 18:44	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.23.2020 18:44	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	10.23.2020 18:44	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	10.23.2020 18:44	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	10.23.2020 18:44	U	1
Total BTEX		<0.00200	0.00200	mg/kg	10.23.2020 18:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	10.23.2020 18:44	
4-Bromofluorobenzene	460-00-4	91	%	70-130	10.23.2020 18:44	

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Landes Pond Release

Sample Id: **SP 2 @ Surface** Matrix: Soil Date Received:10.22.2020 15:25

Lab Sample Id: 675916-015 Date Collected: 10.22.2020 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 10.23.2020 08:00 % Moisture:

Seq Number: 3140529 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**7690**	200	mg/kg	10.23.2020 12:21		20

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: MAB

Analyst: CAC Date Prep: 10.22.2020 17:00 % Moisture:

Seq Number: 3140538 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	10.23.2020 12:19	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	10.23.2020 12:19	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	10.23.2020 12:19	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	10.23.2020 12:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	130	%	70-135	10.23.2020 12:19	
o-Terphenyl	84-15-1	132	%	70-135	10.23.2020 12:19	

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Landes Pond Release

Sample Id:	**SP 2 @ Surface**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-015	Date Collected:	10.22.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 09:36	% Moisture:	
Seq Number:	3140543			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	10.23.2020 19:06	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	10.23.2020 19:06	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	10.23.2020 19:06	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	10.23.2020 19:06	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	10.23.2020 19:06	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	10.23.2020 19:06	U	1
Total BTEX		<0.00199	0.00199	mg/kg	10.23.2020 19:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	70-130	10.23.2020 19:06	
1,4-Difluorobenzene	540-36-3	101	%	70-130	10.23.2020 19:06	

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Landes Pond Release

Sample Id:	**SP 2 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-016	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 08:00	% Moisture:	
Seq Number:	3140529			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**426**	9.92	mg/kg	10.23.2020 12:27		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	MAB				
Analyst:	CAC	Date Prep:	10.22.2020 17:00	% Moisture:	
Seq Number:	3140538			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.23.2020 13:20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	10.23.2020 13:20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.23.2020 13:20	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.23.2020 13:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	129	%	70-135	10.23.2020 13:20	
o-Terphenyl	84-15-1	133	%	70-135	10.23.2020 13:20	

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Landes Pond Release

Sample Id:	**SP 2 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-016	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 09:36	% Moisture:	
Seq Number:	3140543			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	10.23.2020 19:28	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	10.23.2020 19:28	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.23.2020 19:28	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	10.23.2020 19:28	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	10.23.2020 19:28	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	10.23.2020 19:28	U	1
Total BTEX		<0.00200	0.00200	mg/kg	10.23.2020 19:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	88	%	70-130	10.23.2020 19:28	
1,4-Difluorobenzene	540-36-3	101	%	70-130	10.23.2020 19:28	

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Landes Pond Release

Sample Id:	**SP 3 @ Surface**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-017	Date Collected:	10.22.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 08:00	% Moisture:	
Seq Number:	3140529			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**11200**	200	mg/kg	10.23.2020 12:33		20

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	MAB				
Analyst:	CAC	Date Prep:	10.22.2020 17:00	% Moisture:	
Seq Number:	3140538			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	10.23.2020 13:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	10.23.2020 13:40	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	10.23.2020 13:40	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	10.23.2020 13:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	130	%	70-135	10.23.2020 13:40	
o-Terphenyl	84-15-1	111	%	70-135	10.23.2020 13:40	

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Landes Pond Release

Sample Id:	**SP 3 @ Surface**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-017	Date Collected:	10.22.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 09:36	% Moisture:	
Seq Number:	3140543			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	10.23.2020 19:51	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	10.23.2020 19:51	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.23.2020 19:51	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	10.23.2020 19:51	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	10.23.2020 19:51	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	10.23.2020 19:51	U	1
Total BTEX		<0.00200	0.00200	mg/kg	10.23.2020 19:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	87	%	70-130	10.23.2020 19:51	
1,4-Difluorobenzene	540-36-3	102	%	70-130	10.23.2020 19:51	

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Landes Pond Release

Sample Id:	**SP 3 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-018	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 13:07	% Moisture:	
Seq Number:	3140556			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**339**	9.90	mg/kg	10.23.2020 13:09		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	MAB				
Analyst:	CAC	Date Prep:	10.22.2020 17:00	% Moisture:	
Seq Number:	3140538			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	10.23.2020 14:00	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	10.23.2020 14:00	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	10.23.2020 14:00	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	10.23.2020 14:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	134	%	70-135	10.23.2020 14:00	
o-Terphenyl	84-15-1	124	%	70-135	10.23.2020 14:00	

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Landes Pond Release

Sample Id:	**SP 3 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-018	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 09:36	% Moisture:	
Seq Number:	3140543			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	10.23.2020 20:13	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	10.23.2020 20:13	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	10.23.2020 20:13	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	10.23.2020 20:13	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	10.23.2020 20:13	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	10.23.2020 20:13	U	1
Total BTEX		<0.00199	0.00199	mg/kg	10.23.2020 20:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	87	%	70-130	10.23.2020 20:13	
1,4-Difluorobenzene	540-36-3	102	%	70-130	10.23.2020 20:13	

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Landes Pond Release

Sample Id:	**SP 4 @ Surface**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-019	Date Collected:	10.22.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 13:07	% Moisture:	
Seq Number:	3140556			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**420**	49.5	mg/kg	10.23.2020 13:27		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	MAB				
Analyst:	CAC	Date Prep:	10.22.2020 17:00	% Moisture:	
Seq Number:	3140538			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	10.23.2020 14:20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	10.23.2020 14:20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	10.23.2020 14:20	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	10.23.2020 14:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-135	10.23.2020 14:20	
o-Terphenyl	84-15-1	103	%	70-135	10.23.2020 14:20	

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Landes Pond Release

Sample Id:	**SP 4 @ Surface**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-019	Date Collected:	10.22.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 09:36	% Moisture:	
Seq Number:	3140543			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	10.23.2020 20:36	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	10.23.2020 20:36	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	10.23.2020 20:36	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	10.23.2020 20:36	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	10.23.2020 20:36	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	10.23.2020 20:36	U	1
Total BTEX		<0.00199	0.00199	mg/kg	10.23.2020 20:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	10.23.2020 20:36	
4-Bromofluorobenzene	460-00-4	92	%	70-130	10.23.2020 20:36	

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Landes Pond Release

Sample Id: **SP 4 @ 1'** Matrix: Soil Date Received:10.22.2020 15:25

Lab Sample Id: 675916-020 Date Collected: 10.22.2020 00:00 Sample Depth: 1 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 10.23.2020 13:07 % Moisture:

Seq Number: 3140556 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**119**	9.92	mg/kg	10.23.2020 13:33		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: MAB

Analyst: CAC Date Prep: 10.22.2020 17:00 % Moisture:

Seq Number: 3140538 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	10.23.2020 14:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	10.23.2020 14:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	10.23.2020 14:41	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	10.23.2020 14:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	10.23.2020 14:41	
o-Terphenyl	84-15-1	111	%	70-135	10.23.2020 14:41	

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Landes Pond Release

Sample Id:	**SP 4 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-020	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 09:36	% Moisture:	
Seq Number:	3140543			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	10.23.2020 22:18	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	10.23.2020 22:18	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.23.2020 22:18	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	10.23.2020 22:18	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	10.23.2020 22:18	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	10.23.2020 22:18	U	1
Total BTEX		<0.00200	0.00200	mg/kg	10.23.2020 22:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	70-130	10.23.2020 22:18	
1,4-Difluorobenzene	540-36-3	99	%	70-130	10.23.2020 22:18	

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Landes Pond Release

Sample Id: **SP 5 @ Surface** Matrix: Soil Date Received:10.22.2020 15:25

Lab Sample Id: 675916-021 Date Collected: 10.22.2020 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 10.23.2020 13:07 % Moisture:

Seq Number: 3140556 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5370**	49.9	mg/kg	10.23.2020 13:39		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: MAB

Analyst: CAC Date Prep: 10.22.2020 17:00 % Moisture:

Seq Number: 3140538 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	10.23.2020 15:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	10.23.2020 15:01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	10.23.2020 15:01	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	10.23.2020 15:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	10.23.2020 15:01	
o-Terphenyl	84-15-1	98	%	70-135	10.23.2020 15:01	

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Landes Pond Release

Sample Id:	**SP 5 @ Surface**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-021	Date Collected:	10.22.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 09:36	% Moisture:	
Seq Number:	3140543			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	10.23.2020 22:40	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	10.23.2020 22:40	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	10.23.2020 22:40	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	10.23.2020 22:40	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	10.23.2020 22:40	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	10.23.2020 22:40	U	1
Total BTEX		<0.00202	0.00202	mg/kg	10.23.2020 22:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	10.23.2020 22:40	
4-Bromofluorobenzene	460-00-4	94	%	70-130	10.23.2020 22:40	

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Landes Pond Release

Sample Id: **SP 5 @ 1'** Matrix: Soil Date Received:10.22.2020 15:25

Lab Sample Id: 675916-022 Date Collected: 10.22.2020 00:00 Sample Depth: 1 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 10.23.2020 13:07 % Moisture:

Seq Number: 3140556 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**153**	9.90	mg/kg	10.23.2020 13:45		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: MAB

Analyst: CAC Date Prep: 10.22.2020 17:00 % Moisture:

Seq Number: 3140538 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	10.23.2020 15:21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	10.23.2020 15:21	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	10.23.2020 15:21	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	10.23.2020 15:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-135	10.23.2020 15:21	
o-Terphenyl	84-15-1	97	%	70-135	10.23.2020 15:21	

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Certificate of Analytical Results 675916

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SP 5 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-022	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 09:36	% Moisture:	
Seq Number:	3140543			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	10.23.2020 23:03	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	10.23.2020 23:03	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	10.23.2020 23:03	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	10.23.2020 23:03	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	10.23.2020 23:03	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	10.23.2020 23:03	U	1
Total BTEX		<0.00202	0.00202	mg/kg	10.23.2020 23:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	87	%	70-130	10.23.2020 23:03	
1,4-Difluorobenzene	540-36-3	101	%	70-130	10.23.2020 23:03	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 675916

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3140529 — Matrix: Solid — Date Prep: 10.23.2020
MB Sample Id: 7713818-1-BLK — LCS Sample Id: 7713818-1-BKS — LCSD Sample Id: 7713818-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	251	100	245	98	90-110	2	20	mg/kg	10.23.2020 09:40	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3140556 — Matrix: Solid — Date Prep: 10.23.2020
MB Sample Id: 7713819-1-BLK — LCS Sample Id: 7713819-1-BKS — LCSD Sample Id: 7713819-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	253	101	246	98	90-110	3	20	mg/kg	10.23.2020 12:57	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3140529 — Matrix: Soil — Date Prep: 10.23.2020
Parent Sample Id: 675914-001 — MS Sample Id: 675914-001 S — MSD Sample Id: 675914-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	22.1	199	216	97	214	96	90-110	1	20	mg/kg	10.23.2020 09:58	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3140529 — Matrix: Soil — Date Prep: 10.23.2020
Parent Sample Id: 675916-008 — MS Sample Id: 675916-008 S — MSD Sample Id: 675916-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	200	210	105	209	105	90-110	0	20	mg/kg	10.23.2020 11:21	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3140556 — Matrix: Soil — Date Prep: 10.23.2020
Parent Sample Id: 675916-018 — MS Sample Id: 675916-018 S — MSD Sample Id: 675916-018 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	339	199	528	95	527	94	90-110	0	20	mg/kg	10.23.2020 13:15	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 675916

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3140536 — Matrix: Solid — Date Prep: 10.22.2020
MB Sample Id: 7713812-1-BLK — LCS Sample Id: 7713812-1-BKS — LCSD Sample Id: 7713812-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1160	116	1070	107	70-135	8	35	mg/kg	10.23.2020 11:18	
Diesel Range Organics (DRO)	<50.0	1000	1110	111	1100	110	70-135	1	35	mg/kg	10.23.2020 11:18	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	133		133		128		70-135	%	10.23.2020 11:18
o-Terphenyl	116		123		105		70-135	%	10.23.2020 11:18

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3140538 — Matrix: Solid — Date Prep: 10.22.2020
MB Sample Id: 7713814-1-BLK — LCS Sample Id: 7713814-1-BKS — LCSD Sample Id: 7713814-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	920	92	883	88	70-135	4	35	mg/kg	10.23.2020 11:18	
Diesel Range Organics (DRO)	<50.0	1000	1020	102	1010	101	70-135	1	35	mg/kg	10.23.2020 11:18	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	96		126		124		70-135	%	10.23.2020 11:18
o-Terphenyl	99		99		100		70-135	%	10.23.2020 11:18

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3140536 — Matrix: Solid — Date Prep: 10.22.2020
MB Sample Id: 7713812-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	10.23.2020 10:58	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3140538 — Matrix: Solid — Date Prep: 10.22.2020
MB Sample Id: 7713814-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	10.23.2020 10:58	

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 675916

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Landes Pond Release

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3140536 — Matrix: Soil — Date Prep: 10.22.2020
Parent Sample Id: 675810-001 — MS Sample Id: 675810-001 S — MSD Sample Id: 675810-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.1	1000	800	80	849	85	70-135	6	35	mg/kg	10.23.2020 12:39	
Diesel Range Organics (DRO)	<50.1	1000	875	88	895	90	70-135	2	35	mg/kg	10.23.2020 12:39	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	127		129		70-135	%	10.23.2020 12:39
o-Terphenyl	99		101		70-135	%	10.23.2020 12:39

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3140538 — Matrix: Soil — Date Prep: 10.22.2020
Parent Sample Id: 675916-015 — MS Sample Id: 675916-015 S — MSD Sample Id: 675916-015 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.1	1000	1130	113	1070	107	70-135	5	35	mg/kg	10.23.2020 12:39	
Diesel Range Organics (DRO)	<50.1	1000	1260	126	1100	110	70-135	14	35	mg/kg	10.23.2020 12:39	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	124		133		70-135	%	10.23.2020 12:39
o-Terphenyl	120		134		70-135	%	10.23.2020 12:39

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3140546 — Matrix: Solid — Date Prep: 10.22.2020
MB Sample Id: 7713744-1-BLK — LCS Sample Id: 7713744-1-BKS — LCSD Sample Id: 7713744-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0926	93	0.0939	94	70-130	1	35	mg/kg	10.23.2020 14:14	
Toluene	<0.00200	0.100	0.104	104	0.101	101	70-130	3	35	mg/kg	10.23.2020 14:14	
Ethylbenzene	<0.00200	0.100	0.0875	88	0.0900	90	71-129	3	35	mg/kg	10.23.2020 14:14	
m,p-Xylenes	<0.00400	0.200	0.178	89	0.178	89	70-135	0	35	mg/kg	10.23.2020 14:14	
o-Xylene	<0.00200	0.100	0.0889	89	0.0905	91	71-133	2	35	mg/kg	10.23.2020 14:14	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	107		100		98		70-130	%	10.23.2020 14:14
4-Bromofluorobenzene	116		108		104		70-130	%	10.23.2020 14:14

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 675916

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Landes Pond Release

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3140543 — Matrix: Solid — Date Prep: 10.23.2020
MB Sample Id: 7713816-1-BLK — LCS Sample Id: 7713816-1-BKS — LCSD Sample Id: 7713816-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0992	99	0.104	104	70-130	5	35	mg/kg	10.23.2020 10:33	
Toluene	<0.00200	0.100	0.113	113	0.123	123	70-130	8	35	mg/kg	10.23.2020 10:33	
Ethylbenzene	<0.00200	0.100	0.0886	89	0.0929	93	71-129	5	35	mg/kg	10.23.2020 10:33	
m,p-Xylenes	<0.00400	0.200	0.178	89	0.188	94	70-135	5	35	mg/kg	10.23.2020 10:33	
o-Xylene	<0.00200	0.100	0.0881	88	0.0924	92	71-133	5	35	mg/kg	10.23.2020 10:33	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	95		97		98		70-130	%	10.23.2020 10:33
4-Bromofluorobenzene	76		84		88		70-130	%	10.23.2020 10:33

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3140546 — Matrix: Soil — Date Prep: 10.22.2020
Parent Sample Id: 675674-016 — MS Sample Id: 675674-016 S — MSD Sample Id: 675674-016 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.107	107	0.0943	94	70-130	13	35	mg/kg	10.23.2020 14:59	
Toluene	0.0142	0.100	0.117	103	0.103	89	70-130	13	35	mg/kg	10.23.2020 14:59	
Ethylbenzene	<0.00200	0.100	0.101	101	0.0900	90	71-129	12	35	mg/kg	10.23.2020 14:59	
m,p-Xylenes	<0.00401	0.200	0.204	102	0.180	90	70-135	13	35	mg/kg	10.23.2020 14:59	
o-Xylene	<0.00200	0.100	0.0999	100	0.0916	92	71-133	9	35	mg/kg	10.23.2020 14:59	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	100		105		70-130	%	10.23.2020 14:59
4-Bromofluorobenzene	109		109		70-130	%	10.23.2020 14:59

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3140543 — Matrix: Soil — Date Prep: 10.23.2020
Parent Sample Id: 675916-010 — MS Sample Id: 675916-010 S — MSD Sample Id: 675916-010 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.101	0.0809	80	0.105	105	70-130	26	35	mg/kg	10.23.2020 11:18	
Toluene	<0.00201	0.101	0.0965	96	0.116	116	70-130	18	35	mg/kg	10.23.2020 11:18	
Ethylbenzene	<0.00201	0.101	0.0713	71	0.0934	93	71-129	27	35	mg/kg	10.23.2020 11:18	
m,p-Xylenes	<0.00402	0.201	0.143	71	0.188	94	70-135	27	35	mg/kg	10.23.2020 11:18	
o-Xylene	<0.00201	0.101	0.0771	76	0.0935	94	71-133	19	35	mg/kg	10.23.2020 11:18	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		99		70-130	%	10.23.2020 11:18
4-Bromofluorobenzene	86		86		70-130	%	10.23.2020 11:18

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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Chain of Custody

XENCO

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Midland, TX (432) 704-5440, El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 675916

www.xenco.com Page 1 of 3

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Solaris Water Midstream
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/US ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☑
Project Location	Rural Eddy county	Rush:	☐
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Temperature (°C):	5.2 / 5.0	Thermometer ID	TNM007
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes (No) N/A	Total Containers:	22

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day received by the lab, if received by 4:30pm

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005	Sample Comments
NH1 @ surface	Soil	10.22.20		-	1	X	X	X		
NH1 @ 1'	Soil	10.22.20		1'	1	X	X	X		
NH2 @ surface	Soil	10.22.20		-	1	X	X	X		
NH2 @ 1'	Soil	10.22.20		1'	1	X	X	X		
EH1 @ surface	Soil	10.22.20		-	1	X	X	X		
EH1 @ 1'	Soil	10.22.20		1'	1	X	X	X		
SH1 @ surface	Soil	10.22.20		-	1	X	X	X		
SH1 @ 1'	Soil	10.22.20		1'	1	X	X	X		
SH2 @ surface	Soil	10.22.20		-	1	X	X	X		
SH2 @ 1'	Soil	10.22.20		1'	1	X	X	X		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		10/22/20 15:25	2		
3			4		
5			6		

Revised Date 101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
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Released to Imaging: 7/22/2021 3:04:17 PM

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Chain of Custody

XENCO

Work Order No: 675916

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Midland, TX (432) 704-5440, El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Solaris Water Midstream
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378 Email:	Email Results to PM@etechenv.com + Client	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/US ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☒
Project Location	Rural Eddy County	Rush:	☐
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	22 PPA	Thermometer ID		
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day received by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005	Sample Comments
WH1 @surface	Soil	10.22.20		-	1	X	X	X		
WH1 @1'	Soil	10.22.20		1'	1	X	X	X		
SP1 @ surface	Soil	10.22.20		-	1	X	X	X		
SP1 @1'	Soil	10.22.20		1'	1	X	X	X		
SP2 @ surface	Soil	10.22.20		-	1	X	X	X		
SP2 @1'	Soil	10.22.20		1'	1	X	X	X		
SP3 @ surface	Soil	10.22.20		-	1	X	X	X		
SP3 @1'	Soil	10.22.20		1'	1	X	X	X		
SP4 @ surface	Soil	10.22.20		-	1	X	X	X		
SP4 @1'	Soil	10.22.20		1'	1	X	X	X		

ANALYSIS REQUEST

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010:** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471 : Hg**

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		10/22/20 15:22	2		
3			4		
5			6		

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
Page 59 of 61

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Chain of Custody

XENCO

Work Order No: 675916

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Solaris Water Midstream
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/US ☐ TRR ☐ Level III ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13761	Routine:	☑
Project Location	Rural Eddy county	Rush:	☐
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temperature (°C):		Temp Blank:	Yes No	Wet Ice: Yes No
Received Intact:	Yes No	Thermometer ID		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005
SPS @ surface	Soil	10.22.20		-	1	X	X	X	
SPS @ 1'	Soil	10.22.20		1'	1	X	X	X	

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day received by the lab, if received by 4:30pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		10/22/20 15:25	2		
3			4		
5			6		

Revised Date 101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
Page 60 of 61

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 10.22.2020 03.25.00 PM

Work Order #: 675916

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	5	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	Samples received in bulk containers.
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**No**	
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 10.23.2020

Cloe Clifton

Checklist reviewed by: Jessica Kramer Date: 10.23.2020

Jessica Kramer

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Certificate of Analysis Summary 684604

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County, New Mexico

Date Received in Lab: Wed 01.13.2021 15:48
Report Date: 01.15.2021 14:36
Project Manager: Jessica Kramer

Analysis Requested		684604-001		684604-002		684604-003		684604-004		684604-005		684604-006	
	Field Id:	FL 1 @ 1'		FL 2 @ 1'		FL 3 @ 1'		SW 1		SW 2		SW 3	
	Depth:	1- ft		1- ft		1- ft							
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.13.2021 00:00		01.13.2021 00:00		01.13.2021 00:00		01.13.2021 00:00		01.13.2021 00:00		01.13.2021 00:00	
BTEX by EPA 8021B	*Extracted:*	01.14.2021 13:02		01.14.2021 13:02		01.14.2021 13:02		01.14.2021 13:02		01.14.2021 13:02		01.14.2021 13:02	
	Analyzed:	01.14.2021 19:12		01.14.2021 19:35		01.14.2021 19:57		01.14.2021 20:20		01.14.2021 20:42		01.14.2021 21:04	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00185	0.00185	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Toluene		<0.00185	0.00185	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Ethylbenzene		<0.00185	0.00185	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
m,p-Xylenes		<0.00370	0.00370	<0.00399	0.00399	<0.00398	0.00398	<0.00399	0.00399	<0.00397	0.00397	<0.00399	0.00399
o-Xylene		<0.00185	0.00185	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Total Xylenes		<0.00185	0.00185	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Total BTEX		<0.00185	0.00185	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Inorganic Anions by EPA 300	*Extracted:*	01.13.2021 16:34		01.13.2021 16:34		01.13.2021 16:34		01.13.2021 16:34		01.13.2021 16:34		01.13.2021 16:34	
	Analyzed:	01.14.2021 01:30		01.14.2021 01:36		01.14.2021 01:42		01.14.2021 01:48		01.14.2021 01:54		01.14.2021 02:00	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		256	10.0	315	10.0	450	10.0	4010	50.4	6220	49.5	3620	49.9
TPH by SW8015 Mod	*Extracted:*	01.13.2021 17:46		01.13.2021 17:46		01.13.2021 17:46		01.13.2021 17:48		01.13.2021 17:48		01.13.2021 17:48	
	Analyzed:	01.14.2021 07:56		01.14.2021 08:17		01.14.2021 08:37		01.14.2021 06:16		01.14.2021 07:16		01.14.2021 07:36	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.3	50.3	<50.2	50.2	<50.1	50.1	<50.2	50.2	<50.1	50.1	<50.1	50.1
Diesel Range Organics (DRO)		<50.3	50.3	<50.2	50.2	<50.1	50.1	<50.2	50.2	<50.1	50.1	<50.1	50.1
Motor Oil Range Hydrocarbons (MRO)		<50.3	50.3	<50.2	50.2	<50.1	50.1	<50.2	50.2	<50.1	50.1	<50.1	50.1
Total TPH		<50.3	50.3	<50.2	50.2	<50.1	50.1	<50.2	50.2	<50.1	50.1	<50.1	50.1

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 684604

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County, New Mexico

Date Received in Lab: Wed 01.13.2021 15:48
Report Date: 01.15.2021 14:36
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	684604-007		684604-008		684604-009		684604-010		684604-011		684604-012	
	Field Id:	FL 7 @ 1'		FL 8 @ 1'		FL 4 @ 2'		FL 5 @ 2'		FL 6 @ 2'		WW 1	
	Depth:	1- ft		1- ft		2- ft		2- ft		2- ft			
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.13.2021 00:00		01.13.2021 00:00		01.13.2021 00:00		01.13.2021 00:00		01.13.2021 00:00		01.13.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.14.2021 13:02		01.14.2021 13:02		01.14.2021 13:02		01.14.2021 13:02		01.14.2021 13:02		01.14.2021 13:02	
	Analyzed:	01.14.2021 21:27		01.14.2021 22:45		01.14.2021 23:07		01.14.2021 23:29		01.14.2021 23:52		01.15.2021 00:14	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198
Toluene		<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198
Ethylbenzene		<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198
m,p-Xylenes		<0.00399	0.00399	<0.00403	0.00403	<0.00401	0.00401	<0.00402	0.00402	<0.00401	0.00401	<0.00397	0.00397
o-Xylene		<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198
Total Xylenes		<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198
Total BTEX		<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198
Inorganic Anions by EPA 300	***Extracted:***	01.13.2021 16:34		01.13.2021 16:34		01.13.2021 16:34		01.13.2021 16:34		01.13.2021 16:34		01.13.2021 16:34	
	Analyzed:	01.14.2021 02:17		01.14.2021 02:35		01.14.2021 02:41		01.14.2021 02:47		01.14.2021 02:53		01.14.2021 02:59	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		227	9.94	253	9.94	110	10.0	166	10.1	109	10.1	34.5	10.1
TPH by SW8015 Mod	***Extracted:***	01.13.2021 17:48		01.13.2021 17:48		01.13.2021 17:42		01.13.2021 17:42		01.13.2021 17:42		01.13.2021 17:42	
	Analyzed:	01.14.2021 07:56		01.14.2021 08:17		01.14.2021 03:15		01.14.2021 03:36		01.14.2021 03:56		01.14.2021 04:16	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.2	50.2	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8
Diesel Range Organics (DRO)		<50.0	50.0	<50.2	50.2	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.2	50.2	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8
Total TPH		<50.0	50.0	<50.2	50.2	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 684604

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County, New Mexico

Date Received in Lab: Wed 01.13.2021 15:48
Report Date: 01.15.2021 14:36
Project Manager: Jessica Kramer

Analysis Requested							
	Lab Id:	684604-013					
	Field Id:	EW 1					
	Depth:						
	Matrix:	SOIL					
	Sampled:	01.13.2021 00:00					
BTEX by EPA 8021B	***Extracted:***	01.14.2021 13:02					
	Analyzed:	01.15.2021 00:36					
	Units/RL:	mg/kg	RL				
Benzene		<0.00200	0.00200				
Toluene		<0.00200	0.00200				
Ethylbenzene		<0.00200	0.00200				
m,p-Xylenes		<0.00399	0.00399				
o-Xylene		<0.00200	0.00200				
Total Xylenes		<0.00200	0.00200				
Total BTEX		<0.00200	0.00200				
Inorganic Anions by EPA 300	***Extracted:***	01.13.2021 16:34					
	Analyzed:	01.14.2021 03:05					
	Units/RL:	mg/kg	RL				
Chloride		562	10.0				
TPH by SW8015 Mod	***Extracted:***	01.13.2021 17:42					
	Analyzed:	01.14.2021 04:36					
	Units/RL:	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.3	50.3				
Diesel Range Organics (DRO)		<50.3	50.3				
Motor Oil Range Hydrocarbons (MRO)		<50.3	50.3				
Total TPH		<50.3	50.3				

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Analytical Report 684604

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

Landes Pond Release

13261

01.15.2021

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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01.15.2021

Project Manager: **PM**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **684604**
Landes Pond Release
Project Address: Rural Eddy County, New Mexico

PM :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 684604. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 684604 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 684604

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
FL 1 @ 1'	S	01.13.2021 00:00	1 ft	684604-001
FL 2 @ 1'	S	01.13.2021 00:00	1 ft	684604-002
FL 3 @ 1'	S	01.13.2021 00:00	1 ft	684604-003
SW 1	S	01.13.2021 00:00		684604-004
SW 2	S	01.13.2021 00:00		684604-005
SW 3	S	01.13.2021 00:00		684604-006
FL 7 @ 1'	S	01.13.2021 00:00	1 ft	684604-007
FL 8 @ 1'	S	01.13.2021 00:00	1 ft	684604-008
FL 4 @ 2'	S	01.13.2021 00:00	2 ft	684604-009
FL 5 @ 2'	S	01.13.2021 00:00	2 ft	684604-010
FL 6 @ 2'	S	01.13.2021 00:00	2 ft	684604-011
WW 1	S	01.13.2021 00:00		684604-012
EW 1	S	01.13.2021 00:00		684604-013

CASE NARRATIVE

eurofins | Environment Testing Xenco

Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Landes Pond Release

Project ID: *13261*
Work Order Number(s): *684604*

Report Date: *01.15.2021*
Date Received: *01.13.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

eurofins | Environment Testing Xenco

Certificate of Analytical Results 684604

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 1 @ 1'**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-001	Date Collected:	01.13.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.13.2021 16:34	% Moisture:	
Seq Number:	3147754			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**256**	10.0	mg/kg	01.14.2021 01:30		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.13.2021 17:46	% Moisture:	
Seq Number:	3147805			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	01.14.2021 07:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	01.14.2021 07:56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	01.14.2021 07:56	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	01.14.2021 07:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	01.14.2021 07:56	
o-Terphenyl	84-15-1	106	%	70-135	01.14.2021 07:56	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 1 @ 1'**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-001	Date Collected:	01.13.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.14.2021 13:02	% Moisture:	
Seq Number:	3147919			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00185	0.00185	mg/kg	01.14.2021 19:12	U	1
Toluene	108-88-3	<0.00185	0.00185	mg/kg	01.14.2021 19:12	U	1
Ethylbenzene	100-41-4	<0.00185	0.00185	mg/kg	01.14.2021 19:12	U	1
m,p-Xylenes	179601-23-1	<0.00370	0.00370	mg/kg	01.14.2021 19:12	U	1
o-Xylene	95-47-6	<0.00185	0.00185	mg/kg	01.14.2021 19:12	U	1
Total Xylenes	1330-20-7	<0.00185	0.00185	mg/kg	01.14.2021 19:12	U	1
Total BTEX		<0.00185	0.00185	mg/kg	01.14.2021 19:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	01.14.2021 19:12	
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.14.2021 19:12	

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Landes Pond Release

Sample Id:	**FL 2 @ 1'**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-002	Date Collected:	01.13.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.13.2021 16:34	% Moisture:	
Seq Number:	3147754			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**315**	10.0	mg/kg	01.14.2021 01:36		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.13.2021 17:46	% Moisture:	
Seq Number:	3147805			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.14.2021 08:17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.14.2021 08:17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.14.2021 08:17	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	01.14.2021 08:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	01.14.2021 08:17	
o-Terphenyl	84-15-1	114	%	70-135	01.14.2021 08:17	

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Landes Pond Release

Sample Id:	**FL 2 @ 1'**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-002	Date Collected:	01.13.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.14.2021 13:02	% Moisture:	
Seq Number:	3147919			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.14.2021 19:35	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.14.2021 19:35	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.14.2021 19:35	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.14.2021 19:35	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.14.2021 19:35	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.14.2021 19:35	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.14.2021 19:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	01.14.2021 19:35	
1,4-Difluorobenzene	540-36-3	102	%	70-130	01.14.2021 19:35	

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Landes Pond Release

Sample Id:	**FL 3 @ 1'**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-003	Date Collected:	01.13.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.13.2021 16:34	% Moisture:	
Seq Number:	3147754			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**450**	10.0	mg/kg	01.14.2021 01:42		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.13.2021 17:46	% Moisture:	
Seq Number:	3147805			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.14.2021 08:37	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.14.2021 08:37	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.14.2021 08:37	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.14.2021 08:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	119	%	70-135	01.14.2021 08:37	
o-Terphenyl	84-15-1	106	%	70-135	01.14.2021 08:37	

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Landes Pond Release

Sample Id:	**FL 3 @ 1'**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-003	Date Collected:	01.13.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.14.2021 13:02	% Moisture:	
Seq Number:	3147919			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.14.2021 19:57	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.14.2021 19:57	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.14.2021 19:57	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.14.2021 19:57	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.14.2021 19:57	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.14.2021 19:57	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.14.2021 19:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.14.2021 19:57	
4-Bromofluorobenzene	460-00-4	92	%	70-130	01.14.2021 19:57	

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Landes Pond Release

Sample Id:	**SW 1**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-004	Date Collected:	01.13.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.13.2021 16:34	% Moisture:	
Seq Number:	3147754			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4010**	50.4	mg/kg	01.14.2021 01:48		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.13.2021 17:48	% Moisture:	
Seq Number:	3147807			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.14.2021 06:16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.14.2021 06:16	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.14.2021 06:16	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	01.14.2021 06:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	01.14.2021 06:16	
o-Terphenyl	84-15-1	106	%	70-135	01.14.2021 06:16	

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Landes Pond Release

Sample Id:	**SW 1**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-004	Date Collected:	01.13.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.14.2021 13:02	% Moisture:	
Seq Number:	3147919			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.14.2021 20:20	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.14.2021 20:20	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.14.2021 20:20	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.14.2021 20:20	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.14.2021 20:20	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.14.2021 20:20	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.14.2021 20:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	01.14.2021 20:20	
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.14.2021 20:20	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SW 2**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-005	Date Collected:	01.13.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.13.2021 16:34	% Moisture:	
Seq Number:	3147754			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**6220**	49.5	mg/kg	01.14.2021 01:54		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.13.2021 17:48	% Moisture:	
Seq Number:	3147807			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.14.2021 07:16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.14.2021 07:16	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.14.2021 07:16	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.14.2021 07:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-135	01.14.2021 07:16	
o-Terphenyl	84-15-1	102	%	70-135	01.14.2021 07:16	

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Landes Pond Release

Sample Id:	**SW 2**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-005	Date Collected:	01.13.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.14.2021 13:02	% Moisture:	
Seq Number:	3147919			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.14.2021 20:42	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.14.2021 20:42	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.14.2021 20:42	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.14.2021 20:42	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.14.2021 20:42	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.14.2021 20:42	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.14.2021 20:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.14.2021 20:42	
4-Bromofluorobenzene	460-00-4	89	%	70-130	01.14.2021 20:42	

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Landes Pond Release

Sample Id:	**SW 3**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-006	Date Collected:	01.13.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.13.2021 16:34	% Moisture:	
Seq Number:	3147754			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3620**	49.9	mg/kg	01.14.2021 02:00		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.13.2021 17:48	% Moisture:	
Seq Number:	3147807			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.14.2021 07:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.14.2021 07:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.14.2021 07:36	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.14.2021 07:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	01.14.2021 07:36	
o-Terphenyl	84-15-1	122	%	70-135	01.14.2021 07:36	

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Landes Pond Release

Sample Id:	**SW 3**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-006	Date Collected:	01.13.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.14.2021 13:02	% Moisture:	
Seq Number:	3147919			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.14.2021 21:04	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.14.2021 21:04	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.14.2021 21:04	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.14.2021 21:04	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.14.2021 21:04	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.14.2021 21:04	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.14.2021 21:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.14.2021 21:04	
4-Bromofluorobenzene	460-00-4	94	%	70-130	01.14.2021 21:04	

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Landes Pond Release

Sample Id:	**FL 7 @ 1'**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-007	Date Collected:	01.13.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.13.2021 16:34	% Moisture:	
Seq Number:	3147754			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**227**	9.94	mg/kg	01.14.2021 02:17		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.13.2021 17:48	% Moisture:	
Seq Number:	3147807			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.14.2021 07:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.14.2021 07:56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.14.2021 07:56	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.14.2021 07:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	119	%	70-135	01.14.2021 07:56	
o-Terphenyl	84-15-1	108	%	70-135	01.14.2021 07:56	

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Landes Pond Release

Sample Id:	**FL 7 @ 1'**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-007	Date Collected:	01.13.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.14.2021 13:02	% Moisture:	
Seq Number:	3147919			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.14.2021 21:27	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.14.2021 21:27	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.14.2021 21:27	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.14.2021 21:27	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.14.2021 21:27	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.14.2021 21:27	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.14.2021 21:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	01.14.2021 21:27	
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.14.2021 21:27	

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Landes Pond Release

Sample Id:	**FL 8 @ 1'**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-008	Date Collected:	01.13.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.13.2021 16:34	% Moisture:	
Seq Number:	3147754			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**253**	9.94	mg/kg	01.14.2021 02:35		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.13.2021 17:48	% Moisture:	
Seq Number:	3147807			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.14.2021 08:17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.14.2021 08:17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.14.2021 08:17	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	01.14.2021 08:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	01.14.2021 08:17	
o-Terphenyl	84-15-1	120	%	70-135	01.14.2021 08:17	

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Certificate of Analytical Results 684604

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 8 @ 1'**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-008	Date Collected:	01.13.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.14.2021 13:02	% Moisture:	
Seq Number:	3147919			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.14.2021 22:45	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.14.2021 22:45	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.14.2021 22:45	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.14.2021 22:45	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.14.2021 22:45	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.14.2021 22:45	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.14.2021 22:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	01.14.2021 22:45	
4-Bromofluorobenzene	460-00-4	86	%	70-130	01.14.2021 22:45	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 4 @ 2'**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-009	Date Collected:	01.13.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.13.2021 16:34	% Moisture:	
Seq Number:	3147754			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**110**	10.0	mg/kg	01.14.2021 02:41		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.13.2021 17:42	% Moisture:	
Seq Number:	3147803			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.14.2021 03:15	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.14.2021 03:15	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.14.2021 03:15	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.14.2021 03:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	01.14.2021 03:15	
o-Terphenyl	84-15-1	120	%	70-135	01.14.2021 03:15	

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Landes Pond Release

Sample Id:	**FL 4 @ 2'**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-009	Date Collected:	01.13.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.14.2021 13:02	% Moisture:	
Seq Number:	3147919			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.14.2021 23:07	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.14.2021 23:07	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.14.2021 23:07	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.14.2021 23:07	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.14.2021 23:07	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.14.2021 23:07	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.14.2021 23:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.14.2021 23:07	
4-Bromofluorobenzene	460-00-4	91	%	70-130	01.14.2021 23:07	

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Certificate of Analytical Results 684604

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 5 @ 2'**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-010	Date Collected:	01.13.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.13.2021 16:34	% Moisture:	
Seq Number:	3147754			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**166**	10.1	mg/kg	01.14.2021 02:47		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.13.2021 17:42	% Moisture:	
Seq Number:	3147803			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.14.2021 03:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.14.2021 03:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.14.2021 03:36	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.14.2021 03:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	124	%	70-135	01.14.2021 03:36	
o-Terphenyl	84-15-1	126	%	70-135	01.14.2021 03:36	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 5 @ 2'**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-010	Date Collected:	01.13.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.14.2021 13:02	% Moisture:	
Seq Number:	3147919			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.14.2021 23:29	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.14.2021 23:29	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.14.2021 23:29	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.14.2021 23:29	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.14.2021 23:29	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.14.2021 23:29	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.14.2021 23:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	01.14.2021 23:29	
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.14.2021 23:29	

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Certificate of Analytical Results 684604

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 6 @ 2'**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-011	Date Collected:	01.13.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.13.2021 16:34	% Moisture:	
Seq Number:	3147754			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**109**	10.1	mg/kg	01.14.2021 02:53		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.13.2021 17:42	% Moisture:	
Seq Number:	3147803			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.14.2021 03:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.14.2021 03:56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.14.2021 03:56	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.14.2021 03:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	01.14.2021 03:56	
o-Terphenyl	84-15-1	98	%	70-135	01.14.2021 03:56	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 6 @ 2'**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-011	Date Collected:	01.13.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.14.2021 13:02	% Moisture:	
Seq Number:	3147919			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.14.2021 23:52	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.14.2021 23:52	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.14.2021 23:52	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.14.2021 23:52	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.14.2021 23:52	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.14.2021 23:52	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.14.2021 23:52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	01.14.2021 23:52	
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.14.2021 23:52	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id: **WW 1** Matrix: Soil Date Received:01.13.2021 15:48

Lab Sample Id: 684604-012 Date Collected: 01.13.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 01.13.2021 16:34 % Moisture:

Seq Number: 3147754 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**34.5**	10.1	mg/kg	01.14.2021 02:59		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: CAC

Analyst: CAC Date Prep: 01.13.2021 17:42 % Moisture:

Seq Number: 3147803 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.14.2021 04:16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.14.2021 04:16	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.14.2021 04:16	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.14.2021 04:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	126	%	70-135	01.14.2021 04:16	
o-Terphenyl	84-15-1	106	%	70-135	01.14.2021 04:16	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**WW 1**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-012	Date Collected:	01.13.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.14.2021 13:02	% Moisture:	
Seq Number:	3147919			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.15.2021 00:14	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.15.2021 00:14	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.15.2021 00:14	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.15.2021 00:14	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.15.2021 00:14	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.15.2021 00:14	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.15.2021 00:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	01.15.2021 00:14	
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.15.2021 00:14	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**EW 1**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-013	Date Collected:	01.13.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.13.2021 16:34	% Moisture:	
Seq Number:	3147754			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**562**	10.0	mg/kg	01.14.2021 03:05		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.13.2021 17:42	% Moisture:	
Seq Number:	3147803			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	01.14.2021 04:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	01.14.2021 04:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	01.14.2021 04:36	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	01.14.2021 04:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-135	01.14.2021 04:36	
o-Terphenyl	84-15-1	104	%	70-135	01.14.2021 04:36	

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Certificate of Analytical Results 684604

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**EW 1**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-013	Date Collected:	01.13.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.14.2021 13:02	% Moisture:	
Seq Number:	3147919			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.15.2021 00:36	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.15.2021 00:36	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.15.2021 00:36	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.15.2021 00:36	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.15.2021 00:36	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.15.2021 00:36	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.15.2021 00:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.15.2021 00:36	
4-Bromofluorobenzene	460-00-4	93	%	70-130	01.15.2021 00:36	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 684604

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3147754 — Matrix: Solid — Date Prep: 01.13.2021
MB Sample Id: 7719121-1-BLK — LCS Sample Id: 7719121-1-BKS — LCSD Sample Id: 7719121-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	250	100	251	100	90-110	0	20	mg/kg	01.14.2021 00:24	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3147754 — Matrix: Soil — Date Prep: 01.13.2021
Parent Sample Id: 684487-009 — MS Sample Id: 684487-009 S — MSD Sample Id: 684487-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	23.9	198	220	99	224	99	90-110	2	20	mg/kg	01.14.2021 00:42	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3147754 — Matrix: Soil — Date Prep: 01.13.2021
Parent Sample Id: 684604-006 — MS Sample Id: 684604-006 S — MSD Sample Id: 684604-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	3620	202	3820	99	3840	109	90-110	1	20	mg/kg	01.14.2021 02:06	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3147803 — Matrix: Solid — Date Prep: 01.13.2021
MB Sample Id: 7719124-1-BLK — LCS Sample Id: 7719124-1-BKS — LCSD Sample Id: 7719124-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1010	101	1110	111	70-135	9	35	mg/kg	01.13.2021 20:31	
Diesel Range Organics (DRO)	<50.0	1000	1030	103	1180	118	70-135	14	35	mg/kg	01.13.2021 20:31	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	125		105		106		70-135	%	01.13.2021 20:31
o-Terphenyl	112		101		102		70-135	%	01.13.2021 20:31

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3147805 — Matrix: Solid — Date Prep: 01.13.2021
MB Sample Id: 7719125-1-BLK — LCS Sample Id: 7719125-1-BKS — LCSD Sample Id: 7719125-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1010	101	1070	107	70-135	6	35	mg/kg	01.14.2021 05:36	
Diesel Range Organics (DRO)	<50.0	1000	1080	108	1090	109	70-135	1	35	mg/kg	01.14.2021 05:36	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	105		104		105		70-135	%	01.14.2021 05:36
o-Terphenyl	109		109		119		70-135	%	01.14.2021 05:36

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Final 1.000

QC Summary 684604

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3147807 — Matrix: Solid — Date Prep: 01.13.2021
MB Sample Id: 7719126-1-BLK — LCS Sample Id: 7719126-1-BKS — LCSD Sample Id: 7719126-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1000	100	1010	101	70-135	1	35	mg/kg	01.14.2021 05:36	
Diesel Range Organics (DRO)	<50.0	1000	1020	102	1090	109	70-135	7	35	mg/kg	01.14.2021 05:36	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	101		91		121		70-135	%	01.14.2021 05:36
o-Terphenyl	95		89		94		70-135	%	01.14.2021 05:36

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3147803 — Matrix: Solid — Date Prep: 01.13.2021
MB Sample Id: 7719124-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.13.2021 20:11	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3147805 — Matrix: Solid — Date Prep: 01.13.2021
MB Sample Id: 7719125-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.14.2021 05:16	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3147807 — Matrix: Solid — Date Prep: 01.13.2021
MB Sample Id: 7719126-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.14.2021 05:16	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3147803 — Matrix: Soil — Date Prep: 01.13.2021
Parent Sample Id: 684466-009 — MS Sample Id: 684466-009 S — MSD Sample Id: 684466-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.3	1010	1210	120	1130	113	70-135	7	35	mg/kg	01.13.2021 21:32	
Diesel Range Organics (DRO)	<50.3	1010	1220	121	1110	111	70-135	9	35	mg/kg	01.13.2021 21:32	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	114		112		70-135	%	01.13.2021 21:32
o-Terphenyl	98		107		70-135	%	01.13.2021 21:32

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 684604

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Landes Pond Release

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3147805 — Matrix: Soil — Date Prep: 01.13.2021
Parent Sample Id: 684594-001 — MS Sample Id: 684594-001 S — MSD Sample Id: 684594-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.1	1000	1210	121	1200	120	70-135	1	35	mg/kg	01.14.2021 06:36	
Diesel Range Organics (DRO)	<50.1	1000	1230	123	1130	113	70-135	8	35	mg/kg	01.14.2021 06:36	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	110		113		70-135	%	01.14.2021 06:36
o-Terphenyl	94		108		70-135	%	01.14.2021 06:36

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3147807 — Matrix: Soil — Date Prep: 01.13.2021
Parent Sample Id: 684604-004 — MS Sample Id: 684604-004 S — MSD Sample Id: 684604-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1140	114	1130	113	70-135	1	35	mg/kg	01.14.2021 06:36	
Diesel Range Organics (DRO)	<50.0	1000	1170	117	1100	110	70-135	6	35	mg/kg	01.14.2021 06:36	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	115		104		70-135	%	01.14.2021 06:36
o-Terphenyl	108		122		70-135	%	01.14.2021 06:36

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3147919 — Matrix: Solid — Date Prep: 01.14.2021
MB Sample Id: 7719206-1-BLK — LCS Sample Id: 7719206-1-BKS — LCSD Sample Id: 7719206-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.103	103	0.102	102	70-130	1	35	mg/kg	01.14.2021 16:03	
Toluene	<0.00200	0.100	0.0980	98	0.0989	99	70-130	1	35	mg/kg	01.14.2021 16:03	
Ethylbenzene	<0.00200	0.100	0.0911	91	0.0920	92	71-129	1	35	mg/kg	01.14.2021 16:03	
m,p-Xylenes	<0.00400	0.200	0.185	93	0.187	94	70-135	1	35	mg/kg	01.14.2021 16:03	
o-Xylene	<0.00200	0.100	0.0919	92	0.0918	92	71-133	0	35	mg/kg	01.14.2021 16:03	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		95		96		70-130	%	01.14.2021 16:03
4-Bromofluorobenzene	89		87		88		70-130	%	01.14.2021 16:03

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 684604

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Landes Pond Release

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A

Seq Number: 3147919 Matrix: Soil Date Prep: 01.14.2021

Parent Sample Id: 684594-001 MS Sample Id: 684594-001 S MSD Sample Id: 684594-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.117	117	0.0964	96	70-130	19	35	mg/kg	01.14.2021 16:48	
Toluene	<0.00200	0.100	0.113	113	0.0919	92	70-130	21	35	mg/kg	01.14.2021 16:48	
Ethylbenzene	<0.00200	0.100	0.104	104	0.0841	84	71-129	21	35	mg/kg	01.14.2021 16:48	
m,p-Xylenes	<0.00401	0.200	0.211	106	0.171	86	70-135	21	35	mg/kg	01.14.2021 16:48	
o-Xylene	<0.00200	0.100	0.103	103	0.0825	83	71-133	22	35	mg/kg	01.14.2021 16:48	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	95		96		70-130	%	01.14.2021 16:48
4-Bromofluorobenzene	90		89		70-130	%	01.14.2021 16:48

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, El. Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Work Order No: 6846604

Page 1 of 2

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Solaris
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/US ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☑
Project Location	Rural Eddy County, NM	Rush:	☐
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Temperature (°C):	1.2/1.0	Thermometer ID		
Received Intact:	(Yes) No	T-NM-007		
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes (No) N/A	Total Containers:	13	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005
FL1@1'	S	1-13-21		1'	1	X	X	X	
FL2@1'	S	1-13-21		1'	1	X	X	X	
FL3@1'	S	1-13-21		1'	1	X	X	X	
SW1	S	1-12-21		-	1	X	X	X	
SW2	S	1-13-21		-	1	X	X	X	
SW3	S	1-13-21		-	1	X	X	X	
FL7@1'	S	1-13-21		1'	1	X	X	X	
FL8@1'	S	1-13-21		1'	1	X	X	X	
FL4@2'	S	1-13-21		2'	1	X	X	X	
FL5@2'	S	1-13-21		2'	1	X	X	X	

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Cloe Cuffo	1-13-21 1545	2		
3			4		
5			6		

Revised Date 101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
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Chain of Custody

XENCO

Work Order No: 6846O4

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Solaris
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☑
Project Location	Rural Eddy county, NM	Rush:	☐
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Temperature (°C):	1.2/1.0	Thermometer ID	T-WM-007
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Total Containers:	13

ANALYSIS REQUEST

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day received by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005	Sample Comments
FL6@2'	S	1.13.21		2'	1	X	X	X		
WW1	S	1.13.21		-	1	X	X	X		
EW1	S	1.13.21		-	1	X	X	X		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			1.13.21 1543			
3				4		
5				6		

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
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Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 01.13.2021 03.48.00 PM

Work Order #: 684604

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	1	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	Samples received in bulk containers.
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**No**	
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 01.13.2021

Checklist reviewed by: Jessica Kramer Date: 01.14.2021

Jessica Kramer

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Certificate of Analysis Summary 684805

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landos Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County, New Mexico

Date Received in Lab: Thu 01.14.2021 16:00
Report Date: 01.18.2021 14:21
Project Manager: Jessica Kramer

Analysis Requested		684805-001		684805-002		684805-003		684805-004		684805-005		684805-006	
	Field Id:	FL 9 @ 2'		FL 10 @ 2'		WW2		EW2		SW4		SW5	
	Depth:	2- ft		2- ft									
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.14.2021 00:00		01.14.2021 00:00		01.14.2021 00:00		01.14.2021 00:00		01.14.2021 00:00		01.14.2021 00:00	
BTEX by EPA 8021B	*Extracted:*	01.15.2021 13:00		01.15.2021 13:00		01.15.2021 13:00		01.15.2021 13:00		01.15.2021 13:00		01.15.2021 13:00	
	Analyzed:	01.15.2021 16:15		01.15.2021 16:37		01.15.2021 17:00		01.15.2021 17:22		01.15.2021 17:44		01.15.2021 18:07	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
Toluene		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
Ethylbenzene		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
m,p-Xylenes		<0.00396	0.00396	<0.00399	0.00399	<0.00401	0.00401	<0.00403	0.00403	<0.00398	0.00398	<0.00399	0.00399
o-Xylene		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
Total Xylenes		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
Total BTEX		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
Inorganic Anions by EPA 300	*Extracted:*	01.15.2021 15:00		01.15.2021 15:00		01.15.2021 15:00		01.15.2021 15:00		01.15.2021 15:00		01.15.2021 15:00	
	Analyzed:	01.15.2021 15:32		01.15.2021 15:49		01.15.2021 15:55		01.15.2021 16:00		01.15.2021 16:06		01.15.2021 16:23	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		77.3	9.98	76.5	9.94	43.8	9.90	29.8	9.90	259	49.5	247	50.3
TPH by SW8015 Mod	*Extracted:*	01.15.2021 12:10		01.15.2021 12:10		01.15.2021 12:10		01.15.2021 12:10		01.15.2021 12:10		01.15.2021 12:10	
	Analyzed:	01.15.2021 14:19		01.15.2021 15:19		01.15.2021 15:39		01.15.2021 15:59		01.15.2021 16:22		01.15.2021 16:42	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.2	50.2	<50.0	50.0	<50.0	50.0
Diesel Range Organics (DRO)		<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.2	50.2	<50.0	50.0	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.2	50.2	<50.0	50.0	<50.0	50.0
Total TPH		<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.2	50.2	<50.0	50.0	<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Analytical Report 684805

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

Landos Pond Release

13261

01.18.2021

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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01.18.2021

Project Manager: **PM**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **684805**
Landos Pond Release
Project Address: Rural Eddy County, New Mexico

PM :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 684805. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 684805 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 684805

Etech Environmental & Safety Solution, Inc, Midland, TX

Landos Pond Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
FL 9 @ 2'	S	01.14.2021 00:00	2 ft	684805-001
FL 10 @ 2'	S	01.14.2021 00:00	2 ft	684805-002
WW2	S	01.14.2021 00:00		684805-003
EW2	S	01.14.2021 00:00		684805-004
SW4	S	01.14.2021 00:00		684805-005
SW5	S	01.14.2021 00:00		684805-006

CASE NARRATIVE

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Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Landos Pond Release

Project ID: *13261*
Work Order Number(s): *684805*

Report Date: *01.18.2021*
Date Received: *01.14.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

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Certificate of Analytical Results 684805

Etech Environmental & Safety Solution, Inc, Midland, TX

Landos Pond Release

Sample Id:	**FL 9 @ 2'**	Matrix:	Soil	Date Received:	01.14.2021 16:00
Lab Sample Id:	684805-001	Date Collected:	01.14.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.15.2021 15:00	% Moisture:	
Seq Number:	3148035			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**77.3**	9.98	mg/kg	01.15.2021 15:32		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.15.2021 12:10	% Moisture:	
Seq Number:	3148052			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.15.2021 14:19	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.15.2021 14:19	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.15.2021 14:19	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.15.2021 14:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-135	01.15.2021 14:19	
o-Terphenyl	84-15-1	112	%	70-135	01.15.2021 14:19	

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Certificate of Analytical Results 684805

Etech Environmental & Safety Solution, Inc, Midland, TX

Landos Pond Release

Sample Id:	**FL 9 @ 2'**	Matrix:	Soil	Date Received:	01.14.2021 16:00
Lab Sample Id:	684805-001	Date Collected:	01.14.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.15.2021 13:00	% Moisture:	
Seq Number:	3148043			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.15.2021 16:15	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.15.2021 16:15	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.15.2021 16:15	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	01.15.2021 16:15	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.15.2021 16:15	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.15.2021 16:15	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.15.2021 16:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.15.2021 16:15	
4-Bromofluorobenzene	460-00-4	125	%	70-130	01.15.2021 16:15	

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Certificate of Analytical Results 684805

Etech Environmental & Safety Solution, Inc, Midland, TX

Landos Pond Release

Sample Id:	**FL 10 @ 2'**	Matrix:	Soil	Date Received:	01.14.2021 16:00
Lab Sample Id:	684805-002	Date Collected:	01.14.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.15.2021 15:00	% Moisture:	
Seq Number:	3148035			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**76.5**	9.94	mg/kg	01.15.2021 15:49		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.15.2021 12:10	% Moisture:	
Seq Number:	3148052			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.15.2021 15:19	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.15.2021 15:19	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.15.2021 15:19	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.15.2021 15:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	01.15.2021 15:19	
o-Terphenyl	84-15-1	116	%	70-135	01.15.2021 15:19	

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Certificate of Analytical Results 684805

Etech Environmental & Safety Solution, Inc, Midland, TX

Landos Pond Release

Sample Id:	**FL 10 @ 2'**	Matrix:	Soil	Date Received:	01.14.2021 16:00
Lab Sample Id:	684805-002	Date Collected:	01.14.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.15.2021 13:00	% Moisture:	
Seq Number:	3148043			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.15.2021 16:37	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.15.2021 16:37	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.15.2021 16:37	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.15.2021 16:37	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.15.2021 16:37	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.15.2021 16:37	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.15.2021 16:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	122	%	70-130	01.15.2021 16:37	
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.15.2021 16:37	

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Certificate of Analytical Results 684805

Etech Environmental & Safety Solution, Inc, Midland, TX

Landos Pond Release

Sample Id:	**WW2**	Matrix:	Soil	Date Received:	01.14.2021 16:00
Lab Sample Id:	684805-003	Date Collected:	01.14.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.15.2021 15:00	% Moisture:	
Seq Number:	3148035			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**43.8**	9.90	mg/kg	01.15.2021 15:55		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.15.2021 12:10	% Moisture:	
Seq Number:	3148052			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.15.2021 15:39	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.15.2021 15:39	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.15.2021 15:39	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.15.2021 15:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-135	01.15.2021 15:39	
o-Terphenyl	84-15-1	102	%	70-135	01.15.2021 15:39	

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Certificate of Analytical Results 684805

Etech Environmental & Safety Solution, Inc, Midland, TX

Landos Pond Release

Sample Id:	**WW2**	Matrix:	Soil	Date Received:	01.14.2021 16:00
Lab Sample Id:	684805-003	Date Collected:	01.14.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.15.2021 13:00	% Moisture:	
Seq Number:	3148043			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.15.2021 17:00	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.15.2021 17:00	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.15.2021 17:00	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.15.2021 17:00	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.15.2021 17:00	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.15.2021 17:00	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.15.2021 17:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	119	%	70-130	01.15.2021 17:00	
1,4-Difluorobenzene	540-36-3	106	%	70-130	01.15.2021 17:00	

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Certificate of Analytical Results 684805

Etech Environmental & Safety Solution, Inc, Midland, TX

Landos Pond Release

Sample Id:	**EW2**	Matrix:	Soil	Date Received:	01.14.2021 16:00
Lab Sample Id:	684805-004	Date Collected:	01.14.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.15.2021 15:00	% Moisture:	
Seq Number:	3148035			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**29.8**	9.90	mg/kg	01.15.2021 16:00		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.15.2021 12:10	% Moisture:	
Seq Number:	3148052			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.15.2021 15:59	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.15.2021 15:59	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.15.2021 15:59	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	01.15.2021 15:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	01.15.2021 15:59	
o-Terphenyl	84-15-1	118	%	70-135	01.15.2021 15:59	

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Certificate of Analytical Results 684805

Etech Environmental & Safety Solution, Inc, Midland, TX

Landos Pond Release

Sample Id:	**EW2**	Matrix:	Soil	Date Received:	01.14.2021 16:00
Lab Sample Id:	684805-004	Date Collected:	01.14.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.15.2021 13:00	% Moisture:	
Seq Number:	3148043			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.15.2021 17:22	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.15.2021 17:22	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.15.2021 17:22	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.15.2021 17:22	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.15.2021 17:22	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.15.2021 17:22	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.15.2021 17:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.15.2021 17:22	
4-Bromofluorobenzene	460-00-4	119	%	70-130	01.15.2021 17:22	

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Certificate of Analytical Results 684805

Etech Environmental & Safety Solution, Inc, Midland, TX

Landos Pond Release

Sample Id: **SW4** Matrix: Soil Date Received:01.14.2021 16:00

Lab Sample Id: 684805-005 Date Collected: 01.14.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 01.15.2021 15:00 % Moisture:

Seq Number: 3148035 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**259**	49.5	mg/kg	01.15.2021 16:06		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: CAC

Analyst: CAC Date Prep: 01.15.2021 12:10 % Moisture:

Seq Number: 3148052 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.15.2021 16:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.15.2021 16:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.15.2021 16:22	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.15.2021 16:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	01.15.2021 16:22	
o-Terphenyl	84-15-1	122	%	70-135	01.15.2021 16:22	

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Certificate of Analytical Results 684805

Etech Environmental & Safety Solution, Inc, Midland, TX

Landos Pond Release

Sample Id:	**SW4**	Matrix:	Soil	Date Received:	01.14.2021 16:00
Lab Sample Id:	684805-005	Date Collected:	01.14.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.15.2021 13:00	% Moisture:	
Seq Number:	3148043			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.15.2021 17:44	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.15.2021 17:44	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.15.2021 17:44	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.15.2021 17:44	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.15.2021 17:44	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.15.2021 17:44	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.15.2021 17:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	123	%	70-130	01.15.2021 17:44	
1,4-Difluorobenzene	540-36-3	114	%	70-130	01.15.2021 17:44	

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Certificate of Analytical Results 684805

Etech Environmental & Safety Solution, Inc, Midland, TX

Landos Pond Release

Sample Id:	**SW5**	Matrix:	Soil	Date Received:	01.14.2021 16:00
Lab Sample Id:	684805-006	Date Collected:	01.14.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.15.2021 15:00	% Moisture:	
Seq Number:	3148035			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**247**	50.3	mg/kg	01.15.2021 16:23		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.15.2021 12:10	% Moisture:	
Seq Number:	3148052			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.15.2021 16:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.15.2021 16:42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.15.2021 16:42	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.15.2021 16:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	01.15.2021 16:42	
o-Terphenyl	84-15-1	114	%	70-135	01.15.2021 16:42	

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Certificate of Analytical Results 684805

Etech Environmental & Safety Solution, Inc, Midland, TX

Landos Pond Release

Sample Id:	**SW5**	Matrix:	Soil	Date Received:	01.14.2021 16:00
Lab Sample Id:	684805-006	Date Collected:	01.14.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.15.2021 13:00	% Moisture:	
Seq Number:	3148043			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.15.2021 18:07	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.15.2021 18:07	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.15.2021 18:07	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.15.2021 18:07	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.15.2021 18:07	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.15.2021 18:07	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.15.2021 18:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.15.2021 18:07	
4-Bromofluorobenzene	460-00-4	122	%	70-130	01.15.2021 18:07	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 684805

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Etech Environmental & Safety Solution, Inc

Landos Pond Release

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148035 — Matrix: Solid — Date Prep: 01.15.2021
MB Sample Id: 7719345-1-BLK — LCS Sample Id: 7719345-1-BKS — LCSD Sample Id: 7719345-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	200	212	106	206	103	90-110	3	20	mg/kg	01.15.2021 15:09	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148035 — Matrix: Soil — Date Prep: 01.15.2021
Parent Sample Id: 684805-001 — MS Sample Id: 684805-001 S — MSD Sample Id: 684805-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	77.3	199	291	107	290	107	90-110	0	20	mg/kg	01.15.2021 15:38	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148035 — Matrix: Soil — Date Prep: 01.15.2021
Parent Sample Id: 684808-005 — MS Sample Id: 684808-005 S — MSD Sample Id: 684808-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	2530	201	2730	100	2720	94	90-110	0	20	mg/kg	01.15.2021 16:57	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148052 — Matrix: Solid — Date Prep: 01.15.2021
MB Sample Id: 7719264-1-BLK — LCS Sample Id: 7719264-1-BKS — LCSD Sample Id: 7719264-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	957	96	1010	101	70-135	5	35	mg/kg	01.15.2021 13:39	
Diesel Range Organics (DRO)	<50.0	1000	945	95	923	92	70-135	2	35	mg/kg	01.15.2021 13:39	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	101		114		102		70-135	%	01.15.2021 13:39
o-Terphenyl	96		104		116		70-135	%	01.15.2021 13:39

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148052 — Matrix: Solid — Date Prep: 01.15.2021
MB Sample Id: 7719264-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.15.2021 13:18	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 684805

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Etech Environmental & Safety Solution, Inc

Landos Pond Release

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148052 — Matrix: Soil — Date Prep: 01.15.2021
Parent Sample Id: 684805-001 — MS Sample Id: 684805-001 S — MSD Sample Id: 684805-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.1	1000	1020	102	962	96	70-135	6	35	mg/kg	01.15.2021 14:39	
Diesel Range Organics (DRO)	<50.1	1000	968	97	968	97	70-135	0	35	mg/kg	01.15.2021 14:39	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	105		101		70-135	%	01.15.2021 14:39
o-Terphenyl	106		122		70-135	%	01.15.2021 14:39

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3148043 — Matrix: Solid — Date Prep: 01.15.2021
MB Sample Id: 7719355-1-BLK — LCS Sample Id: 7719355-1-BKS — LCSD Sample Id: 7719355-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.103	103	0.0991	99	70-130	4	35	mg/kg	01.15.2021 14:10	
Toluene	<0.00200	0.100	0.0937	94	0.0900	90	70-130	4	35	mg/kg	01.15.2021 14:10	
Ethylbenzene	<0.00200	0.100	0.0974	97	0.0959	96	71-129	2	35	mg/kg	01.15.2021 14:10	
m,p-Xylenes	<0.00400	0.200	0.201	101	0.191	96	70-135	5	35	mg/kg	01.15.2021 14:10	
o-Xylene	<0.00200	0.100	0.0980	98	0.0949	95	71-133	3	35	mg/kg	01.15.2021 14:10	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		99		99		70-130	%	01.15.2021 14:10
4-Bromofluorobenzene	113		109		110		70-130	%	01.15.2021 14:10

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3148043 — Matrix: Soil — Date Prep: 01.15.2021
Parent Sample Id: 684805-001 — MS Sample Id: 684805-001 S — MSD Sample Id: 684805-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.0739	74	0.0957	96	70-130	26	35	mg/kg	01.15.2021 14:55	
Toluene	<0.00199	0.0996	0.0698	70	0.0893	90	70-130	25	35	mg/kg	01.15.2021 14:55	
Ethylbenzene	<0.00199	0.0996	0.0714	72	0.0942	95	71-129	28	35	mg/kg	01.15.2021 14:55	
m,p-Xylenes	<0.00398	0.199	0.148	74	0.195	98	70-135	27	35	mg/kg	01.15.2021 14:55	
o-Xylene	<0.00199	0.0996	0.0746	75	0.0971	98	71-133	26	35	mg/kg	01.15.2021 14:55	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		101		70-130	%	01.15.2021 14:55
4-Bromofluorobenzene	113		113		70-130	%	01.15.2021 14:55

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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Chain of Custody

XENCO

Work Order No: 684805

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 558-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Page 1 of 1

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Solaris
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechenv.com + Client

Work Order Comments

Program: UST/PST [ ] PRP [ ] Brownfields [ ] RRC [ ] Superfund [ ]
State of Project:
Reporting: Level I [ ] Level II [ ] PST/UST [ ] TRRP [ ] Level IV [ ]
Deliverables: EDD [ ] ADaPT [ ] Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	[redacted] 13261	Routine:	☑
Project Location	1620 Rural Eddy county	Rush:	[ ]
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No	
Temperature (°C):	2.2/2.0	Thermometer ID	TNM007	
Received Intact:	(Yes) No			
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes (No) N/A	Total Containers:	6	

ANALYSIS REQUEST

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day received by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005	Sample Comments
FL9@2'	S	1.14.21		2'	1	X	X	X		
FL10@2'	S	1.14.21		2'	1	X	X	X		
WW2	S	1.14.21		-	1	X	X	X		
EW2	S	1.14.21		-	1	X	X	X		
SW4	S	1.14.21		-	1	X	X	X		
SW5	S	1.14.21		-	1	X	X	X		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		1/14/21 16:00	2		
3			4		
5			6		

Revised Date 081419 Rev 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
Page 21 of 22

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 01.14.2021 04.00.00 PM

Work Order #: 684805

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	2	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	Samples received in bulk containers.
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**No**	
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 01.15.2021

Cloe Clifton

Checklist reviewed by: Jessica Kramer Date: 01.18.2021

Jessica Kramer

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Certificate of Analysis Summary 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Mon 01.18.2021 15:56
Report Date: 01.20.2021 16:23
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685118-001		685118-002		685118-003		685118-004		685118-005		685118-006	
	Field Id:	NW1		NWW1		NWW2		FL 11 @ 2'		FL 14 @ 2'		FL 15 @ 2'	
	Depth:							2- ft		2- ft		2- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00	
BTEX by EPA 8021B	*Extracted:*	01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00	
	Analyzed:	01.18.2021 20:40		01.18.2021 21:03		01.18.2021 21:25		01.18.2021 21:47		01.18.2021 22:10		01.18.2021 22:32	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Toluene		<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Ethylbenzene		<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
m,p-Xylenes		<0.00403	0.00403	<0.00401	0.00401	<0.00404	0.00404	<0.00399	0.00399	<0.00397	0.00397	<0.00399	0.00399
o-Xylene		<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Total Xylenes		<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Total BTEX		<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Inorganic Anions by EPA 300	*Extracted:*	01.19.2021 15:00		01.19.2021 15:00		01.19.2021 15:00		01.19.2021 15:00		01.19.2021 15:00		01.19.2021 15:00	
	Analyzed:	01.19.2021 15:50		01.19.2021 16:07		01.19.2021 16:13		01.19.2021 16:19		01.19.2021 16:24		01.19.2021 17:34	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		36.1	10.0	31.6	9.92	32.5	10.0	13.4	9.96	19.6	9.96	70.4	10.0
TPH by SW8015 Mod	*Extracted:*	01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30	
	Analyzed:	01.18.2021 19:33		01.18.2021 20:33		01.18.2021 20:53		01.18.2021 21:13		01.18.2021 21:34		01.18.2021 21:54	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<50.0	50.0	<50.2	50.2	<49.9	49.9	<49.9	49.9	<50.2	50.2
Diesel Range Organics (DRO)		<49.9	49.9	<50.0	50.0	<50.2	50.2	<49.9	49.9	<49.9	49.9	<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<50.0	50.0	<50.2	50.2	<49.9	49.9	<49.9	49.9	<50.2	50.2
Total TPH		<49.9	49.9	<50.0	50.0	<50.2	50.2	<49.9	49.9	<49.9	49.9	<50.2	50.2

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Mon 01.18.2021 15:56
Report Date: 01.20.2021 16:23
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685118-007		685118-008		685118-009		685118-010		685118-011		685118-012	
	Field Id:	FL 16 @ 2'		FL 17 @ 2'		FL 18 @ 2'		EW3		FL 12 @ 2'		FL 13 @ 2'	
	Depth:	2- ft		2- ft		2- ft				2- ft		2- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00	
	Analyzed:	01.18.2021 22:54		01.18.2021 23:17		01.18.2021 23:39		01.19.2021 00:02		01.19.2021 01:21		01.19.2021 01:44	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198
Toluene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198
Ethylbenzene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198
m,p-Xylenes		<0.00398	0.00398	<0.00401	0.00401	<0.00399	0.00399	<0.00398	0.00398	<0.00401	0.00401	<0.00397	0.00397
o-Xylene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198
Total Xylenes		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198
Total BTEX		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198
Inorganic Anions by EPA 300	***Extracted:***	01.19.2021 15:00		01.19.2021 15:00		01.19.2021 15:00		01.19.2021 15:00		01.19.2021 15:00		01.19.2021 15:00	
	Analyzed:	01.19.2021 17:40		01.19.2021 17:46		01.19.2021 17:51		01.19.2021 17:57		01.19.2021 18:03		01.19.2021 18:20	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		86.0	9.92	102	10.1	104	9.90	53.9	9.98	789	10.0	597	10.1
TPH by SW8015 Mod	***Extracted:***	01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30	
	Analyzed:	01.18.2021 22:14		01.18.2021 22:34		01.18.2021 22:54		01.18.2021 23:15		01.18.2021 23:55		01.19.2021 00:16	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.2	50.2	<49.8	49.8	<50.1	50.1	<50.1	50.1	<49.8	49.8	<49.8	49.8
Diesel Range Organics (DRO)		<50.2	50.2	<49.8	49.8	<50.1	50.1	<50.1	50.1	<49.8	49.8	<49.8	49.8
Motor Oil Range Hydrocarbons (MRO)		<50.2	50.2	<49.8	49.8	<50.1	50.1	<50.1	50.1	<49.8	49.8	<49.8	49.8
Total TPH		<50.2	50.2	<49.8	49.8	<50.1	50.1	<50.1	50.1	<49.8	49.8	<49.8	49.8

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Mon 01.18.2021 15:56
Report Date: 01.20.2021 16:23
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685118-013		685118-014		685118-015		685118-016		685118-017		685118-018	
	Field Id:	FL 19 @ 2'		FL 20 @ 2'		FL 21 @ 2'		FL 22 @ 2'		FL 23 @ 2'		FL 24 @ 2'	
	Depth:	2- ft		2- ft		2- ft		2- ft		2- ft		2- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00	
	Analyzed:	01.19.2021 02:06		01.19.2021 02:29		01.19.2021 02:51		01.19.2021 03:14		01.19.2021 03:36		01.19.2021 03:59	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Toluene		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Ethylbenzene		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
m,p-Xylenes		<0.00398	0.00398	<0.00399	0.00399	<0.00397	0.00397	<0.00399	0.00399	<0.00397	0.00397	<0.00399	0.00399
o-Xylene		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Total Xylenes		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Total BTEX		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Inorganic Anions by EPA 300	***Extracted:***	01.19.2021 15:00		01.19.2021 15:00		01.19.2021 15:00		01.19.2021 15:00		01.19.2021 15:00		01.19.2021 15:00	
	Analyzed:	01.19.2021 18:25		01.19.2021 18:42		01.19.2021 18:48		01.19.2021 18:54		01.19.2021 18:59		01.19.2021 19:05	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		113	9.90	139	9.98	117	9.96	104	10.0	122	10.0	96.3	10.0
TPH by SW8015 Mod	***Extracted:***	01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30	
	Analyzed:	01.19.2021 00:36		01.19.2021 00:56		01.19.2021 01:16		01.19.2021 01:36		01.19.2021 01:56		01.19.2021 02:16	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<49.9	49.9	<50.3	50.3	<49.8	49.8	<49.9	49.9	<49.9	49.9
Diesel Range Organics (DRO)		<49.9	49.9	<49.9	49.9	<50.3	50.3	<49.8	49.8	<49.9	49.9	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<49.9	49.9	<50.3	50.3	<49.8	49.8	<49.9	49.9	<49.9	49.9
Total TPH		<49.9	49.9	<49.9	49.9	<50.3	50.3	<49.8	49.8	<49.9	49.9	<49.9	49.9

BRL - Below Reporting Limit

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Certificate of Analysis Summary 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Mon 01.18.2021 15:56
Report Date: 01.20.2021 16:23
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685118-019		685118-020		685118-021		685118-022		685118-023		685118-024	
	Field Id:	FL 25 @ 2'		FL 26 @ 2'		FL 27 @ 2'		FL 28 @ 2'		EW 4		FL 29 @ 2'	
	Depth:	2- ft		2- ft		2- ft		2- ft				2- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30	
	Analyzed:	01.19.2021 04:21		01.19.2021 04:44		01.19.2021 01:33		01.19.2021 01:55		01.19.2021 02:18		01.19.2021 02:40	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Toluene		<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Ethylbenzene		<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
m,p-Xylenes		<0.00403	0.00403	<0.00401	0.00401	<0.00401	0.00401	<0.00399	0.00399	<0.00398	0.00398	<0.00399	0.00399
o-Xylene		<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Total Xylenes		<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Total BTEX		<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Inorganic Anions by EPA 300	***Extracted:***	01.19.2021 15:00		01.19.2021 15:00		01.19.2021 12:08		01.19.2021 12:08		01.19.2021 12:08		01.19.2021 12:08	
	Analyzed:	01.19.2021 19:11		01.19.2021 19:16		01.19.2021 19:50		01.19.2021 20:07		01.19.2021 20:13		01.19.2021 20:19	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		380	9.94	407	10.1	364	9.90	387	10.0	247	10.0	203	10.0
TPH by SW8015 Mod	***Extracted:***	01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00	
	Analyzed:	01.19.2021 02:36		01.19.2021 02:56		01.18.2021 21:34		01.18.2021 21:54		01.18.2021 22:14		01.18.2021 22:34	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<50.0	50.0	<50.1	50.1	<49.9	49.9	<50.0	50.0	<50.0	50.0
Diesel Range Organics (DRO)		<49.8	49.8	<50.0	50.0	<50.1	50.1	<49.9	49.9	<50.0	50.0	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<50.0	50.0	<50.1	50.1	<49.9	49.9	<50.0	50.0	<50.0	50.0
Total TPH		<49.8	49.8	<50.0	50.0	<50.1	50.1	<49.9	49.9	<50.0	50.0	<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Mon 01.18.2021 15:56
Report Date: 01.20.2021 16:23
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685118-025		685118-026		685118-027		685118-028		685118-029		685118-030	
	Field Id:	FL30 @ 2'		FL 31 @ 2'		FL 32 @ 2'		FL 33 @ 2'		FL 34 @ 2'		FL 35 @ 2'	
	Depth:	2- ft		2- ft		2- ft		2- ft		2- ft		2- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30	
	Analyzed:	01.19.2021 03:02		01.19.2021 03:25		01.19.2021 03:47		01.19.2021 04:10		01.19.2021 04:32		01.19.2021 04:54	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200
Toluene		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200
Ethylbenzene		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200
m,p-Xylenes		<0.00398	0.00398	<0.00397	0.00397	<0.00399	0.00399	<0.00398	0.00398	<0.00398	0.00398	<0.00401	0.00401
o-Xylene		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200
Total Xylenes		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200
Total BTEX		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200
Inorganic Anions by EPA 300	***Extracted:***	01.19.2021 12:08		01.19.2021 12:08		01.19.2021 12:08		01.19.2021 12:08		01.19.2021 12:08		01.19.2021 12:08	
	Analyzed:	01.19.2021 20:24		01.19.2021 20:42		01.19.2021 20:47		01.19.2021 20:53		01.19.2021 20:58		01.19.2021 21:04	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		159	10.0	131	9.90	151	9.98	179	9.90	404	9.98	111	10.0
TPH by SW8015 Mod	***Extracted:***	01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00	
	Analyzed:	01.18.2021 22:54		01.18.2021 23:15		01.18.2021 23:55		01.19.2021 00:16		01.19.2021 00:36		01.19.2021 00:56	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.1	50.1	<50.3	50.3	<50.0	50.0	<49.8	49.8	<50.0	50.0	<49.8	49.8
Diesel Range Organics (DRO)		<50.1	50.1	<50.3	50.3	<50.0	50.0	<49.8	49.8	<50.0	50.0	<49.8	49.8
Motor Oil Range Hydrocarbons (MRO)		<50.1	50.1	<50.3	50.3	<50.0	50.0	<49.8	49.8	<50.0	50.0	<49.8	49.8
Total TPH		<50.1	50.1	<50.3	50.3	<50.0	50.0	<49.8	49.8	<50.0	50.0	<49.8	49.8

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Mon 01.18.2021 15:56
Report Date: 01.20.2021 16:23
Project Manager: Jessica Kramer

Analysis Requested											
	Lab Id:	685118-031		685118-032		685118-033					
	Field Id:	FL 36 @ 2'		FL 37 @ 2'		FL 38 @ 2'					
	Depth:	2- ft		2- ft		2- ft					
	Matrix:	SOIL		SOIL		SOIL					
	Sampled:	01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00					
BTEX by EPA 8021B	***Extracted:***	01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30					
	Analyzed:	01.19.2021 06:12		01.19.2021 06:34		01.19.2021 06:57					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Benzene		<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199				
Toluene		<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199				
Ethylbenzene		<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199				
m,p-Xylenes		<0.00397	0.00397	<0.00399	0.00399	<0.00398	0.00398				
o-Xylene		<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199				
Total Xylenes		<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199				
Total BTEX		<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199				
Inorganic Anions by EPA 300	***Extracted:***	01.19.2021 12:08		01.19.2021 12:08		01.19.2021 12:08					
	Analyzed:	01.19.2021 21:10		01.19.2021 21:27		01.19.2021 21:33					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		92.2	9.98	265	10.1	68.4	9.98				
TPH by SW8015 Mod	***Extracted:***	01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00					
	Analyzed:	01.19.2021 01:16		01.19.2021 01:36		01.19.2021 01:56					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<49.9	49.9	<49.8	49.8				
Diesel Range Organics (DRO)		<49.8	49.8	<49.9	49.9	<49.8	49.8				
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<49.9	49.9	<49.8	49.8				
Total TPH		<49.8	49.8	<49.9	49.9	<49.8	49.8				

BRL - Below Reporting Limit

Jessica Kramer

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Analytical Report 685118

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

Landes Pond Release

13261

01.20.2021

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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01.20.2021

Project Manager: **PM**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **685118**
Landes Pond Release
Project Address: Rural Eddy County

PM :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 685118. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 685118 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
NW1	S	01.18.2021 00:00		685118-001
NWW1	S	01.18.2021 00:00		685118-002
NWW2	S	01.18.2021 00:00		685118-003
FL 11 @ 2'	S	01.18.2021 00:00	2 ft	685118-004
FL 14 @ 2'	S	01.18.2021 00:00	2 ft	685118-005
FL 15 @ 2'	S	01.18.2021 00:00	2 ft	685118-006
FL 16 @ 2'	S	01.18.2021 00:00	2 ft	685118-007
FL 17 @ 2'	S	01.18.2021 00:00	2 ft	685118-008
FL 18 @ 2'	S	01.18.2021 00:00	2 ft	685118-009
EW3	S	01.18.2021 00:00		685118-010
FL 12 @ 2'	S	01.18.2021 00:00	2 ft	685118-011
FL 13 @ 2'	S	01.18.2021 00:00	2 ft	685118-012
FL 19 @ 2'	S	01.18.2021 00:00	2 ft	685118-013
FL 20 @ 2'	S	01.18.2021 00:00	2 ft	685118-014
FL 21 @ 2'	S	01.18.2021 00:00	2 ft	685118-015
FL 22 @ 2'	S	01.18.2021 00:00	2 ft	685118-016
FL 23 @ 2'	S	01.18.2021 00:00	2 ft	685118-017
FL 24 @ 2'	S	01.18.2021 00:00	2 ft	685118-018
FL 25 @ 2'	S	01.18.2021 00:00	2 ft	685118-019
FL 26 @ 2'	S	01.18.2021 00:00	2 ft	685118-020
FL 27 @ 2'	S	01.18.2021 00:00	2 ft	685118-021
FL 28 @ 2'	S	01.18.2021 00:00	2 ft	685118-022
EW 4	S	01.18.2021 00:00		685118-023
FL 29 @ 2'	S	01.18.2021 00:00	2 ft	685118-024
FL30 @ 2'	S	01.18.2021 00:00	2 ft	685118-025
FL 31 @ 2'	S	01.18.2021 00:00	2 ft	685118-026
FL 32 @ 2'	S	01.18.2021 00:00	2 ft	685118-027
FL 33 @ 2'	S	01.18.2021 00:00	2 ft	685118-028
FL 34 @ 2'	S	01.18.2021 00:00	2 ft	685118-029
FL 35 @ 2'	S	01.18.2021 00:00	2 ft	685118-030
FL 36 @ 2'	S	01.18.2021 00:00	2 ft	685118-031
FL 37 @ 2'	S	01.18.2021 00:00	2 ft	685118-032
FL 38 @ 2'	S	01.18.2021 00:00	2 ft	685118-033

CASE NARRATIVE

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Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Landes Pond Release

Project ID: *13261*
Work Order Number(s): *685118*

Report Date: *01.20.2021*
Date Received: *01.18.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

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Certificate of Analytical Results 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id: **NW1** Matrix: Soil Date Received:01.18.2021 15:56

Lab Sample Id: 685118-001 Date Collected: 01.18.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 01.19.2021 15:00 % Moisture:

Seq Number: 3148336 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**36.1**	10.0	mg/kg	01.19.2021 15:50		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: CAC

Analyst: CAC Date Prep: 01.18.2021 17:30 % Moisture:

Seq Number: 3148175 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.18.2021 19:33	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.18.2021 19:33	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.18.2021 19:33	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.18.2021 19:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	01.18.2021 19:33	
o-Terphenyl	84-15-1	105	%	70-135	01.18.2021 19:33	

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Certificate of Analytical Results 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NW1**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-001	Date Collected:	01.18.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.18.2021 20:40	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.18.2021 20:40	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.18.2021 20:40	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.18.2021 20:40	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.18.2021 20:40	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.18.2021 20:40	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.18.2021 20:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	01.18.2021 20:40	
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.18.2021 20:40	

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Certificate of Analytical Results 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id: **NWW1** Matrix: Soil Date Received:01.18.2021 15:56
Lab Sample Id: 685118-002 Date Collected: 01.18.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 01.19.2021 15:00 % Moisture:
Seq Number: 3148336 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**31.6**	9.92	mg/kg	01.19.2021 16:07		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: CAC
Analyst: CAC Date Prep: 01.18.2021 17:30 % Moisture:
Seq Number: 3148175 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.18.2021 20:33	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.18.2021 20:33	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.18.2021 20:33	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.18.2021 20:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	01.18.2021 20:33	

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Certificate of Analytical Results 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NWW1**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-002	Date Collected:	01.18.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.18.2021 21:03	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.18.2021 21:03	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.18.2021 21:03	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.18.2021 21:03	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.18.2021 21:03	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.18.2021 21:03	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.18.2021 21:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	120	%	70-130	01.18.2021 21:03	
1,4-Difluorobenzene	540-36-3	102	%	70-130	01.18.2021 21:03	

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Certificate of Analytical Results 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NWW2**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-003	Date Collected:	01.18.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**32.5**	10.0	mg/kg	01.19.2021 16:13		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.18.2021 20:53	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.18.2021 20:53	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.18.2021 20:53	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	01.18.2021 20:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	122	%	70-135	01.18.2021 20:53	
o-Terphenyl	84-15-1	113	%	70-135	01.18.2021 20:53	

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Certificate of Analytical Results 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NWW2**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-003	Date Collected:	01.18.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.18.2021 21:25	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.18.2021 21:25	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.18.2021 21:25	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	01.18.2021 21:25	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.18.2021 21:25	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.18.2021 21:25	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.18.2021 21:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	106	%	70-130	01.18.2021 21:25	
4-Bromofluorobenzene	460-00-4	125	%	70-130	01.18.2021 21:25	

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Certificate of Analytical Results 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 11 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-004	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**13.4**	9.96	mg/kg	01.19.2021 16:19		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.18.2021 21:13	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.18.2021 21:13	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.18.2021 21:13	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.18.2021 21:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	114	%	70-135	01.18.2021 21:13	
o-Terphenyl	84-15-1	106	%	70-135	01.18.2021 21:13	

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Certificate of Analytical Results 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 11 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-004	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.18.2021 21:47	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.18.2021 21:47	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.18.2021 21:47	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.18.2021 21:47	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.18.2021 21:47	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.18.2021 21:47	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.18.2021 21:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	01.18.2021 21:47	
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.18.2021 21:47	

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Certificate of Analytical Results 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 14 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-005	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**19.6**	9.96	mg/kg	01.19.2021 16:24		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.18.2021 21:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.18.2021 21:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.18.2021 21:34	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.18.2021 21:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	01.18.2021 21:34	
o-Terphenyl	84-15-1	98	%	70-135	01.18.2021 21:34	

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Certificate of Analytical Results 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 14 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-005	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.18.2021 22:10	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.18.2021 22:10	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.18.2021 22:10	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.18.2021 22:10	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.18.2021 22:10	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.18.2021 22:10	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.18.2021 22:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	106	%	70-130	01.18.2021 22:10	
4-Bromofluorobenzene	460-00-4	126	%	70-130	01.18.2021 22:10	

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Certificate of Analytical Results 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 15 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-006	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**70.4**	10.0	mg/kg	01.19.2021 17:34		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.18.2021 21:54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.18.2021 21:54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.18.2021 21:54	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	01.18.2021 21:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-135	01.18.2021 21:54	
o-Terphenyl	84-15-1	108	%	70-135	01.18.2021 21:54	

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Certificate of Analytical Results 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 15 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-006	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.18.2021 22:32	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.18.2021 22:32	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.18.2021 22:32	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.18.2021 22:32	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.18.2021 22:32	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.18.2021 22:32	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.18.2021 22:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	117	%	70-130	01.18.2021 22:32	
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.18.2021 22:32	

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Certificate of Analytical Results 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 16 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-007	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**86.0**	9.92	mg/kg	01.19.2021 17:40		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.18.2021 22:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.18.2021 22:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.18.2021 22:14	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	01.18.2021 22:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	01.18.2021 22:14	
o-Terphenyl	84-15-1	116	%	70-135	01.18.2021 22:14	

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Certificate of Analytical Results 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 16 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-007	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.18.2021 22:54	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.18.2021 22:54	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.18.2021 22:54	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.18.2021 22:54	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.18.2021 22:54	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.18.2021 22:54	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.18.2021 22:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.18.2021 22:54	
1,4-Difluorobenzene	540-36-3	108	%	70-130	01.18.2021 22:54	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 17 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-008	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**102**	10.1	mg/kg	01.20.2021 12:44		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.18.2021 22:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.18.2021 22:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.18.2021 22:34	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.18.2021 22:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	123	%	70-135	01.18.2021 22:34	
o-Terphenyl	84-15-1	112	%	70-135	01.18.2021 22:34	

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Landes Pond Release

Sample Id:	**FL 17 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-008	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.18.2021 23:17	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.18.2021 23:17	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.18.2021 23:17	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.18.2021 23:17	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.18.2021 23:17	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.18.2021 23:17	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.18.2021 23:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	107	%	70-130	01.18.2021 23:17	
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.18.2021 23:17	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id: **FL 18 @ 2'** Matrix: Soil Date Received:01.18.2021 15:56
Lab Sample Id: 685118-009 Date Collected: 01.18.2021 00:00 Sample Depth: 2 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 01.19.2021 15:00 % Moisture:
Seq Number: 3148336 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**104**	9.90	mg/kg	01.20.2021 12:49		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: CAC
Analyst: CAC Date Prep: 01.18.2021 17:30 % Moisture:
Seq Number: 3148175 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.18.2021 22:54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.18.2021 22:54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.18.2021 22:54	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.18.2021 22:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-135	01.18.2021 22:54	
o-Terphenyl	84-15-1	122	%	70-135	01.18.2021 22:54	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 18 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-009	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.18.2021 23:39	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.18.2021 23:39	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.18.2021 23:39	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.18.2021 23:39	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.18.2021 23:39	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.18.2021 23:39	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.18.2021 23:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	125	%	70-130	01.18.2021 23:39	
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.18.2021 23:39	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**EW3**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-010	Date Collected:	01.18.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**53.9**	9.98	mg/kg	01.19.2021 17:57		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.18.2021 23:15	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.18.2021 23:15	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.18.2021 23:15	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.18.2021 23:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	121	%	70-135	01.18.2021 23:15	
o-Terphenyl	84-15-1	98	%	70-135	01.18.2021 23:15	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**EW3**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-010	Date Collected:	01.18.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.19.2021 00:02	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.19.2021 00:02	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.19.2021 00:02	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.19.2021 00:02	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.19.2021 00:02	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.19.2021 00:02	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.19.2021 00:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	70-130	01.19.2021 00:02	
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.19.2021 00:02	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 12 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-011	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**789**	10.0	mg/kg	01.19.2021 18:03		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.18.2021 23:55	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.18.2021 23:55	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.18.2021 23:55	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.18.2021 23:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-135	01.18.2021 23:55	
o-Terphenyl	84-15-1	122	%	70-135	01.18.2021 23:55	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 12 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-011	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.19.2021 01:21	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.19.2021 01:21	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.19.2021 01:21	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.19.2021 01:21	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.19.2021 01:21	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.19.2021 01:21	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.19.2021 01:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	70-130	01.19.2021 01:21	
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.19.2021 01:21	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 13 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-012	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**597**	10.1	mg/kg	01.19.2021 18:20		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.19.2021 00:16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.19.2021 00:16	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.19.2021 00:16	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.19.2021 00:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	114	%	70-135	01.19.2021 00:16	
o-Terphenyl	84-15-1	107	%	70-135	01.19.2021 00:16	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 13 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-012	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.19.2021 01:44	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.19.2021 01:44	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.19.2021 01:44	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.19.2021 01:44	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.19.2021 01:44	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.19.2021 01:44	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.19.2021 01:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	70-130	01.19.2021 01:44	
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.19.2021 01:44	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 19 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-013	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**113**	9.90	mg/kg	01.19.2021 18:25		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.19.2021 00:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.19.2021 00:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.19.2021 00:36	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.19.2021 00:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	01.19.2021 00:36	
o-Terphenyl	84-15-1	101	%	70-135	01.19.2021 00:36	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 19 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-013	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.19.2021 02:06	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.19.2021 02:06	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.19.2021 02:06	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.19.2021 02:06	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.19.2021 02:06	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.19.2021 02:06	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.19.2021 02:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	125	%	70-130	01.19.2021 02:06	
1,4-Difluorobenzene	540-36-3	106	%	70-130	01.19.2021 02:06	

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Landes Pond Release

Sample Id:	**FL 20 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-014	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**139**	9.98	mg/kg	01.19.2021 18:42		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.19.2021 00:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.19.2021 00:56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.19.2021 00:56	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.19.2021 00:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	123	%	70-135	01.19.2021 00:56	
o-Terphenyl	84-15-1	113	%	70-135	01.19.2021 00:56	

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Landes Pond Release

Sample Id:	**FL 20 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-014	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.19.2021 02:29	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.19.2021 02:29	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.19.2021 02:29	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.19.2021 02:29	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.19.2021 02:29	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.19.2021 02:29	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.19.2021 02:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	93	%	70-130	01.19.2021 02:29	
4-Bromofluorobenzene	460-00-4	104	%	70-130	01.19.2021 02:29	

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Landes Pond Release

Sample Id:	**FL 21 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-015	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**117**	9.96	mg/kg	01.19.2021 18:48		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	01.19.2021 01:16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	01.19.2021 01:16	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	01.19.2021 01:16	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	01.19.2021 01:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-135	01.19.2021 01:16	
o-Terphenyl	84-15-1	98	%	70-135	01.19.2021 01:16	

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Landes Pond Release

Sample Id:	**FL 21 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-015	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.19.2021 02:51	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.19.2021 02:51	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.19.2021 02:51	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.19.2021 02:51	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.19.2021 02:51	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.19.2021 02:51	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.19.2021 02:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	01.19.2021 02:51	
4-Bromofluorobenzene	460-00-4	117	%	70-130	01.19.2021 02:51	

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Landes Pond Release

Sample Id:	**FL 22 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-016	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**104**	10.0	mg/kg	01.19.2021 18:54		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.19.2021 01:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.19.2021 01:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.19.2021 01:36	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.19.2021 01:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	01.19.2021 01:36	
o-Terphenyl	84-15-1	99	%	70-135	01.19.2021 01:36	

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Landes Pond Release

Sample Id:	**FL 22 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-016	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.19.2021 03:14	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.19.2021 03:14	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.19.2021 03:14	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.19.2021 03:14	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.19.2021 03:14	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.19.2021 03:14	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.19.2021 03:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	122	%	70-130	01.19.2021 03:14	
1,4-Difluorobenzene	540-36-3	107	%	70-130	01.19.2021 03:14	

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Landes Pond Release

Sample Id:	**FL 23 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-017	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**122**	10.0	mg/kg	01.19.2021 18:59		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.19.2021 01:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.19.2021 01:56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.19.2021 01:56	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.19.2021 01:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	01.19.2021 01:56	
o-Terphenyl	84-15-1	94	%	70-135	01.19.2021 01:56	

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Landes Pond Release

Sample Id:	**FL 23 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-017	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.19.2021 03:36	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.19.2021 03:36	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.19.2021 03:36	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.19.2021 03:36	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.19.2021 03:36	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.19.2021 03:36	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.19.2021 03:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.19.2021 03:36	
1,4-Difluorobenzene	540-36-3	106	%	70-130	01.19.2021 03:36	

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Landes Pond Release

Sample Id:	**FL 24 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-018	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**96.3**	10.0	mg/kg	01.19.2021 19:05		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.19.2021 02:16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.19.2021 02:16	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.19.2021 02:16	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.19.2021 02:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	126	%	70-135	01.19.2021 02:16	
o-Terphenyl	84-15-1	120	%	70-135	01.19.2021 02:16	

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Landes Pond Release

Sample Id:	**FL 24 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-018	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.19.2021 03:59	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.19.2021 03:59	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.19.2021 03:59	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.19.2021 03:59	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.19.2021 03:59	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.19.2021 03:59	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.19.2021 03:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	127	%	70-130	01.19.2021 03:59	
1,4-Difluorobenzene	540-36-3	103	%	70-130	01.19.2021 03:59	

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Landes Pond Release

Sample Id:	**FL 25 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-019	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**380**	9.94	mg/kg	01.19.2021 19:11		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.19.2021 02:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.19.2021 02:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.19.2021 02:36	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.19.2021 02:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	01.19.2021 02:36	
o-Terphenyl	84-15-1	114	%	70-135	01.19.2021 02:36	

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Landes Pond Release

Sample Id:	**FL 25 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-019	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.19.2021 04:21	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.19.2021 04:21	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.19.2021 04:21	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.19.2021 04:21	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.19.2021 04:21	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.19.2021 04:21	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.19.2021 04:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	115	%	70-130	01.19.2021 04:21	
1,4-Difluorobenzene	540-36-3	102	%	70-130	01.19.2021 04:21	

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Landes Pond Release

Sample Id:	**FL 26 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-020	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**407**	10.1	mg/kg	01.19.2021 19:16		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.19.2021 02:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.19.2021 02:56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.19.2021 02:56	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.19.2021 02:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-135	01.19.2021 02:56	
o-Terphenyl	84-15-1	105	%	70-135	01.19.2021 02:56	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 26 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-020	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.19.2021 04:44	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.19.2021 04:44	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.19.2021 04:44	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.19.2021 04:44	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.19.2021 04:44	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.19.2021 04:44	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.19.2021 04:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.19.2021 04:44	
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.19.2021 04:44	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 27 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-021	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 12:08	% Moisture:	
Seq Number:	3148342			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**364**	9.90	mg/kg	01.19.2021 19:50		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148174			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.18.2021 21:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.18.2021 21:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.18.2021 21:34	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.18.2021 21:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-135	01.18.2021 21:34	
o-Terphenyl	84-15-1	105	%	70-135	01.18.2021 21:34	

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Landes Pond Release

Sample Id:	**FL 27 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-021	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148183			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.19.2021 01:33	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.19.2021 01:33	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.19.2021 01:33	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.19.2021 01:33	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.19.2021 01:33	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.19.2021 01:33	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.19.2021 01:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	97	%	70-130	01.19.2021 01:33	
4-Bromofluorobenzene	460-00-4	87	%	70-130	01.19.2021 01:33	

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Landes Pond Release

Sample Id:	**FL 28 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-022	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 12:08	% Moisture:	
Seq Number:	3148342			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**387**	10.0	mg/kg	01.19.2021 20:07		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148174			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.18.2021 21:54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.18.2021 21:54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.18.2021 21:54	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.18.2021 21:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	01.18.2021 21:54	
o-Terphenyl	84-15-1	113	%	70-135	01.18.2021 21:54	

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Landes Pond Release

Sample Id:	**FL 28 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-022	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148183			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.19.2021 01:55	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.19.2021 01:55	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.19.2021 01:55	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.19.2021 01:55	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.19.2021 01:55	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.19.2021 01:55	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.19.2021 01:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.19.2021 01:55	
4-Bromofluorobenzene	460-00-4	93	%	70-130	01.19.2021 01:55	

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Landes Pond Release

Sample Id: **EW 4** Matrix: Soil Date Received:01.18.2021 15:56

Lab Sample Id: 685118-023 Date Collected: 01.18.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 01.19.2021 12:08 % Moisture:

Seq Number: 3148342 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**247**	10.0	mg/kg	01.19.2021 20:13		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: CAC

Analyst: CAC Date Prep: 01.18.2021 17:00 % Moisture:

Seq Number: 3148174 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.18.2021 22:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.18.2021 22:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.18.2021 22:14	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.18.2021 22:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	01.18.2021 22:14	
o-Terphenyl	84-15-1	117	%	70-135	01.18.2021 22:14	

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Landes Pond Release

Sample Id:	**EW 4**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-023	Date Collected:	01.18.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148183			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.19.2021 02:18	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.19.2021 02:18	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.19.2021 02:18	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.19.2021 02:18	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.19.2021 02:18	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.19.2021 02:18	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.19.2021 02:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	01.19.2021 02:18	
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.19.2021 02:18	

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Landes Pond Release

Sample Id:	**FL 29 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-024	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 12:08	% Moisture:	
Seq Number:	3148342			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**203**	10.0	mg/kg	01.19.2021 20:19		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148174			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.18.2021 22:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.18.2021 22:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.18.2021 22:34	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.18.2021 22:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	121	%	70-135	01.18.2021 22:34	
o-Terphenyl	84-15-1	99	%	70-135	01.18.2021 22:34	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 29 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-024	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148183			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.19.2021 02:40	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.19.2021 02:40	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.19.2021 02:40	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.19.2021 02:40	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.19.2021 02:40	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.19.2021 02:40	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.19.2021 02:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	91	%	70-130	01.19.2021 02:40	
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.19.2021 02:40	

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Landes Pond Release

Sample Id:	**FL30 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-025	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 12:08	% Moisture:	
Seq Number:	3148342			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**159**	10.0	mg/kg	01.19.2021 20:24		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148174			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.18.2021 22:54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.18.2021 22:54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.18.2021 22:54	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.18.2021 22:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-135	01.18.2021 22:54	
o-Terphenyl	84-15-1	120	%	70-135	01.18.2021 22:54	

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Landes Pond Release

Sample Id:	**FL30 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-025	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148183			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.19.2021 03:02	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.19.2021 03:02	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.19.2021 03:02	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.19.2021 03:02	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.19.2021 03:02	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.19.2021 03:02	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.19.2021 03:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	01.19.2021 03:02	
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.19.2021 03:02	

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Landes Pond Release

Sample Id:	**FL 31 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-026	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 12:08	% Moisture:	
Seq Number:	3148342			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**131**	9.90	mg/kg	01.19.2021 20:42		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148174			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	01.18.2021 23:15	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	01.18.2021 23:15	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	01.18.2021 23:15	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	01.18.2021 23:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	01.18.2021 23:15	
o-Terphenyl	84-15-1	109	%	70-135	01.18.2021 23:15	

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Landes Pond Release

Sample Id:	**FL 31 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-026	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148183			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.19.2021 03:25	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.19.2021 03:25	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.19.2021 03:25	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.19.2021 03:25	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.19.2021 03:25	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.19.2021 03:25	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.19.2021 03:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	01.19.2021 03:25	
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.19.2021 03:25	

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Landes Pond Release

Sample Id:	**FL 32 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-027	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 12:08	% Moisture:	
Seq Number:	3148342			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**151**	9.98	mg/kg	01.19.2021 20:47		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148174			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.18.2021 23:55	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.18.2021 23:55	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.18.2021 23:55	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.18.2021 23:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	123	%	70-135	01.18.2021 23:55	
o-Terphenyl	84-15-1	115	%	70-135	01.18.2021 23:55	

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Certificate of Analytical Results 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 32 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-027	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148183			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.19.2021 03:47	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.19.2021 03:47	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.19.2021 03:47	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.19.2021 03:47	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.19.2021 03:47	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.19.2021 03:47	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.19.2021 03:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	01.19.2021 03:47	
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.19.2021 03:47	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 33 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-028	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 12:08	% Moisture:	
Seq Number:	3148342			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**179**	9.90	mg/kg	01.19.2021 20:53		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148174			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.19.2021 00:16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.19.2021 00:16	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.19.2021 00:16	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.19.2021 00:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	01.19.2021 00:16	
o-Terphenyl	84-15-1	105	%	70-135	01.19.2021 00:16	

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Landes Pond Release

Sample Id:	**FL 33 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-028	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148183			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.19.2021 04:10	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.19.2021 04:10	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.19.2021 04:10	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.19.2021 04:10	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.19.2021 04:10	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.19.2021 04:10	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.19.2021 04:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	91	%	70-130	01.19.2021 04:10	
1,4-Difluorobenzene	540-36-3	99	%	70-130	01.19.2021 04:10	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 34 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-029	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 12:08	% Moisture:	
Seq Number:	3148342			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**404**	9.98	mg/kg	01.19.2021 20:58		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148174			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.19.2021 00:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.19.2021 00:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.19.2021 00:36	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.19.2021 00:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-135	01.19.2021 00:36	
o-Terphenyl	84-15-1	107	%	70-135	01.19.2021 00:36	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 34 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-029	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148183			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.19.2021 04:32	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.19.2021 04:32	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.19.2021 04:32	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.19.2021 04:32	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.19.2021 04:32	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.19.2021 04:32	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.19.2021 04:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	91	%	70-130	01.19.2021 04:32	
1,4-Difluorobenzene	540-36-3	99	%	70-130	01.19.2021 04:32	

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Landes Pond Release

Sample Id:	**FL 35 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-030	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 12:08	% Moisture:	
Seq Number:	3148342			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**111**	10.0	mg/kg	01.19.2021 21:04		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148174			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.19.2021 00:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.19.2021 00:56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.19.2021 00:56	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.19.2021 00:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	118	%	70-135	01.19.2021 00:56	
o-Terphenyl	84-15-1	115	%	70-135	01.19.2021 00:56	

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Landes Pond Release

Sample Id:	**FL 35 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-030	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148183			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.19.2021 04:54	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.19.2021 04:54	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.19.2021 04:54	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.19.2021 04:54	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.19.2021 04:54	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.19.2021 04:54	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.19.2021 04:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	01.19.2021 04:54	
4-Bromofluorobenzene	460-00-4	94	%	70-130	01.19.2021 04:54	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 36 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-031	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 12:08	% Moisture:	
Seq Number:	3148342			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**92.2**	9.98	mg/kg	01.19.2021 21:10		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148174			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.19.2021 01:16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.19.2021 01:16	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.19.2021 01:16	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.19.2021 01:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
o-Terphenyl	84-15-1	120	%	70-135	01.19.2021 01:16	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 36 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-031	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148183			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.19.2021 06:12	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.19.2021 06:12	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.19.2021 06:12	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.19.2021 06:12	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.19.2021 06:12	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.19.2021 06:12	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.19.2021 06:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	87	%	70-130	01.19.2021 06:12	
1,4-Difluorobenzene	540-36-3	97	%	70-130	01.19.2021 06:12	

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Landes Pond Release

Sample Id:	**FL 37 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-032	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 12:08	% Moisture:	
Seq Number:	3148342			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**265**	10.1	mg/kg	01.19.2021 21:27		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148174			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.19.2021 01:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.19.2021 01:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.19.2021 01:36	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.19.2021 01:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	01.19.2021 01:36	
o-Terphenyl	84-15-1	112	%	70-135	01.19.2021 01:36	

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Landes Pond Release

Sample Id:	**FL 37 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-032	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148183			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.19.2021 06:34	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.19.2021 06:34	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.19.2021 06:34	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.19.2021 06:34	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.19.2021 06:34	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.19.2021 06:34	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.19.2021 06:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	88	%	70-130	01.19.2021 06:34	
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.19.2021 06:34	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id: **FL 38 @ 2'** Matrix: Soil Date Received:01.18.2021 15:56
Lab Sample Id: 685118-033 Date Collected: 01.18.2021 00:00 Sample Depth: 2 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 01.19.2021 12:08 % Moisture:
Seq Number: 3148342 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**68.4**	9.98	mg/kg	01.19.2021 21:33		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: CAC
Analyst: CAC Date Prep: 01.18.2021 17:00 % Moisture:
Seq Number: 3148174 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.19.2021 01:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.19.2021 01:56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.19.2021 01:56	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.19.2021 01:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	01.19.2021 01:56	
o-Terphenyl	84-15-1	122	%	70-135	01.19.2021 01:56	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 38 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-033	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148183			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.19.2021 06:57	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.19.2021 06:57	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.19.2021 06:57	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.19.2021 06:57	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.19.2021 06:57	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.19.2021 06:57	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.19.2021 06:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	01.19.2021 06:57	
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.19.2021 06:57	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 685118

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Landes Pond Release

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148342 — Matrix: Solid — Date Prep: 01.19.2021
MB Sample Id: 7719558-1-BLK — LCS Sample Id: 7719558-1-BKS — LCSD Sample Id: 7719558-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	200	211	106	207	104	90-110	2	20	mg/kg	01.19.2021 19:39	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148336 — Matrix: Solid — Date Prep: 01.19.2021
MB Sample Id: 7719557-1-BLK — LCS Sample Id: 7719557-1-BKS — LCSD Sample Id: 7719557-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	200	212	106	208	104	90-110	2	20	mg/kg	01.19.2021 15:39	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148342 — Matrix: Soil — Date Prep: 01.19.2021
Parent Sample Id: 685118-021 — MS Sample Id: 685118-021 S — MSD Sample Id: 685118-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	364	198	574	106	584	109	90-110	2	20	mg/kg	01.19.2021 19:56	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148342 — Matrix: Soil — Date Prep: 01.19.2021
Parent Sample Id: 685118-031 — MS Sample Id: 685118-031 S — MSD Sample Id: 685118-031 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	92.2	202	309	107	303	105	90-110	2	20	mg/kg	01.19.2021 21:15	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148336 — Matrix: Soil — Date Prep: 01.19.2021
Parent Sample Id: 685118-001 — MS Sample Id: 685118-001 S — MSD Sample Id: 685118-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	36.1	201	247	105	244	105	90-110	1	20	mg/kg	01.19.2021 15:56	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148336 — Matrix: Soil — Date Prep: 01.19.2021
Parent Sample Id: 685118-011 — MS Sample Id: 685118-011 S — MSD Sample Id: 685118-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	789	202	998	103	993	102	90-110	1	20	mg/kg	01.19.2021 18:08	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 685118

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Landes Pond Release

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148174 — Matrix: Solid — Date Prep: 01.18.2021
MB Sample Id: 7719459-1-BLK — LCS Sample Id: 7719459-1-BKS — LCSD Sample Id: 7719459-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1030	103	1170	117	70-135	13	35	mg/kg	01.18.2021 18:52	
Diesel Range Organics (DRO)	<50.0	1000	1150	115	1030	103	70-135	11	35	mg/kg	01.18.2021 18:52	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	99		95		108		70-135	%	01.18.2021 18:52
o-Terphenyl	95		99		115		70-135	%	01.18.2021 18:52

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148175 — Matrix: Solid — Date Prep: 01.18.2021
MB Sample Id: 7719462-1-BLK — LCS Sample Id: 7719462-1-BKS — LCSD Sample Id: 7719462-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	997	100	1030	103	70-135	3	35	mg/kg	01.18.2021 18:52	
Diesel Range Organics (DRO)	<50.0	1000	976	98	912	91	70-135	7	35	mg/kg	01.18.2021 18:52	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	96		93		118		70-135	%	01.18.2021 18:52
o-Terphenyl	102		92		118		70-135	%	01.18.2021 18:52

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148174 — Matrix: Solid — Date Prep: 01.18.2021
MB Sample Id: 7719459-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.18.2021 18:32	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148175 — Matrix: Solid — Date Prep: 01.18.2021
MB Sample Id: 7719462-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.18.2021 18:32	

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 685118

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Landes Pond Release

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148174 — Matrix: Soil — Date Prep: 01.18.2021
Parent Sample Id: 684907-041 — MS Sample Id: 684907-041 S — MSD Sample Id: 684907-041 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	942	94	954	96	70-135	1	35	mg/kg	01.18.2021 19:53	
Diesel Range Organics (DRO)	<49.9	997	924	93	922	93	70-135	0	35	mg/kg	01.18.2021 19:53	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	98		108		70-135	%	01.18.2021 19:53
o-Terphenyl	93		119		70-135	%	01.18.2021 19:53

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148175 — Matrix: Soil — Date Prep: 01.18.2021
Parent Sample Id: 685118-001 — MS Sample Id: 685118-001 S — MSD Sample Id: 685118-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	1220	122	1230	123	70-135	1	35	mg/kg	01.18.2021 19:53	
Diesel Range Organics (DRO)	<49.9	997	1140	114	1040	104	70-135	9	35	mg/kg	01.18.2021 19:53	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	108		112		70-135	%	01.18.2021 19:53
o-Terphenyl	103		109		70-135	%	01.18.2021 19:53

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3148182 — Matrix: Solid — Date Prep: 01.18.2021
MB Sample Id: 7719433-1-BLK — LCS Sample Id: 7719433-1-BKS — LCSD Sample Id: 7719433-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.100	100	0.0939	94	70-130	6	35	mg/kg	01.18.2021 18:36	
Toluene	<0.00200	0.100	0.0941	94	0.0899	90	70-130	5	35	mg/kg	01.18.2021 18:36	
Ethylbenzene	<0.00200	0.100	0.100	100	0.0950	95	71-129	5	35	mg/kg	01.18.2021 18:36	
m,p-Xylenes	<0.00400	0.200	0.207	104	0.197	99	70-135	5	35	mg/kg	01.18.2021 18:36	
o-Xylene	<0.00200	0.100	0.100	100	0.0979	98	71-133	2	35	mg/kg	01.18.2021 18:36	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		97		98		70-130	%	01.18.2021 18:36
4-Bromofluorobenzene	113		105		107		70-130	%	01.18.2021 18:36

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Final 1.000

QC Summary 685118

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Landes Pond Release

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3148183 — Matrix: Solid — Date Prep: 01.18.2021
MB Sample Id: 7719434-1-BLK — LCS Sample Id: 7719434-1-BKS — LCSD Sample Id: 7719434-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.108	108	0.104	104	70-130	4	35	mg/kg	01.18.2021 23:30	
Toluene	<0.00200	0.100	0.103	103	0.0992	99	70-130	4	35	mg/kg	01.18.2021 23:30	
Ethylbenzene	<0.00200	0.100	0.0939	94	0.0921	92	71-129	2	35	mg/kg	01.18.2021 23:30	
m,p-Xylenes	<0.00400	0.200	0.190	95	0.188	94	70-135	1	35	mg/kg	01.18.2021 23:30	
o-Xylene	<0.00200	0.100	0.0948	95	0.0923	92	71-133	3	35	mg/kg	01.18.2021 23:30	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	97		96		94		70-130	%	01.18.2021 23:30
4-Bromofluorobenzene	87		85		85		70-130	%	01.18.2021 23:30

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3148182 — Matrix: Soil — Date Prep: 01.18.2021
Parent Sample Id: 685118-001 — MS Sample Id: 685118-001 S — MSD Sample Id: 685118-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0943	94	0.0949	95	70-130	1	35	mg/kg	01.18.2021 19:21	
Toluene	<0.00200	0.100	0.0831	83	0.0895	90	70-130	7	35	mg/kg	01.18.2021 19:21	
Ethylbenzene	<0.00200	0.100	0.0831	83	0.0952	95	71-129	14	35	mg/kg	01.18.2021 19:21	
m,p-Xylenes	<0.00401	0.200	0.169	85	0.193	97	70-135	13	35	mg/kg	01.18.2021 19:21	
o-Xylene	<0.00200	0.100	0.0876	88	0.0979	98	71-133	11	35	mg/kg	01.18.2021 19:21	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104		100		70-130	%	01.18.2021 19:21
4-Bromofluorobenzene	113		114		70-130	%	01.18.2021 19:21

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3148183 — Matrix: Soil — Date Prep: 01.18.2021
Parent Sample Id: 685118-021 — MS Sample Id: 685118-021 S — MSD Sample Id: 685118-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.102	102	0.0961	96	70-130	6	35	mg/kg	01.19.2021 00:15	
Toluene	<0.00200	0.0998	0.0981	98	0.0910	91	70-130	8	35	mg/kg	01.19.2021 00:15	
Ethylbenzene	<0.00200	0.0998	0.0913	91	0.0816	82	71-129	11	35	mg/kg	01.19.2021 00:15	
m,p-Xylenes	<0.00399	0.200	0.184	92	0.164	82	70-135	11	35	mg/kg	01.19.2021 00:15	
o-Xylene	<0.00200	0.0998	0.0919	92	0.0812	81	71-133	12	35	mg/kg	01.19.2021 00:15	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	94		94		70-130	%	01.19.2021 00:15
4-Bromofluorobenzene	89		89		70-130	%	01.19.2021 00:15

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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Chain of Custody

XENCO

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 685118

www.xenco.com Page 1 of 4

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Solaris
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechenv.com + Client

Work Order Comments

Program: UST/PST [ ] PRP [ ] Brownfields [ ] RRC [ ] Superfund [ ]
State of Project:
Reporting: Level II [ ] Level III [ ] PST/US [ ] TRRP [ ] Level IV [ ]
Deliverables: EDD [ ] ADaPT [ ] Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☑
Project Location	Rural Eddy county	Rush:	☐
Sampler's Name:	Miguel Ramirez	Due Date:	1.18.21
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):	2.8/2.6	Thermometer ID	T_NM-007
Received Intact:	Yes No		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Total Containers:	33

ANALYSIS REQUEST

Preservative Codes

HNO3: HN
H2SO4: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day received by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005	Sample Comments
NW1	S	1.18.21		-	1	X	X	X		
NWW1	S	1.18.21		-	1	X	X	X		
NWW2	S	1.18.21		-	1	X	X	X		
FL 11@2'	S	1.18.21		2'	1	X	X	X		
FL 14@2'	S	1.18.21		2'	1	X	X	X		
FL 15@2'	S	1.18.21		2'	1	X	X	X		
FL 16@2'	S	1.18.21		2'	1	X	X	X		
FL 17@2'	S	1.18.21		2'	1	X	X	X		
FL 18@2'	S	1.18.21		2'	1	X	X	X		
EW 3	S	1.18.21		-	1	X	X	X		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Ice Cuffe	1.18.21 1556	2		
3			4		
5			6		

Revised Date 081419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
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Chain of Custody

XENCO

Work Order No: 685118

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Solaris
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/US ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☑
Project Location	Rural Eddy county	Rush:	☐
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temperature (°C):	Temp Blank: Yes No	Wet Ice: Yes No	Thermometer ID	
Received Intact:	Yes No		See Page 1	
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day received by the lab, if received by 4:30pm

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005	Sample Comments
FL12@2'	S	1-18-21		2'	1	X	X	X		
FL13@2'	S	1-18-21		2'	1	X	X	X		
FL19@2'	S	1-18-21		2'	1	X	X	X		
FL20@2'	S	1-18-21		2'	1	X	X	X		
FL21@2'	S	1-18-21		2'	1	X	X	X		
FL22@2'	S	1-18-21		2'	1	X	X	X		
FL23@2'	S	1-18-21		2'	1	X	X	X		
FL24@2'	S	1-18-21		2'	1	X	X	X		
FL25@2'	S	1-18-21		2'	1	X	X	X		
FL26@2'	S	1-18-21		2'	1	X	X	X		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Cue Cuptos	1-18-21 1656	2		
3			4		
5			6		

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
Page 83 of 86

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Chain of Custody

XENCO

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 685118

www.xenco.com Page 3 of 4

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Solaris
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Cardes Pond Release	Turn Around	
Project Number:	13261	Routine:	☑
Project Location	Rural Eddy County	Rush:	☐
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):		Thermometer ID		
Received Intact:	Yes No	See Page 4		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

ANALYSIS REQUEST

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day received by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005	Sample Comments
FL27@2'	S	1.18.21		2'	S	X	X	X		
FL28@2'	S	1.18.21		2'	S	X	X	X		
EW 4	S	1.18.21		–	S	X	X	X		
FL29@2'	S	1.18.21		2'	S	X	X	X		
FL30@2'	S	1.18.21		2'	S	X	X	X		
FL31@2'	S	1.18.21		2'	S	X	X	X		
FL32@2'	S	1.18.21		2'	S	X	X	X		
FL33@2'	S	1.18.21		2'	S	X	X	X		
FL34@2'	S	1.18.21		2'	S	X	X	X		
FL35@2'	S	1.18.21		2'	S	X	X	X		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Cloe Clifton	1.18.21 1556	2		
3			4		
5			6		

Revised Date 08.14.19 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
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Page 84 of 86

Page 305 of 1721

Chain of Custody

XENCO

Work Order No: 685118

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Solaris
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechenv.com + Client

Work Order Comments

Program: UST/PST [ ] PRP [ ] Brownfields [ ] RRC [ ] Superfund [ ]
State of Project:
Reporting: Level II [ ] Level III [ ] PST/UST [ ] TRRP [ ] Level IV [ ]
Deliverables: EDD [ ] ADaPT [ ] Other:

Project Name:	Landa Pond Release	Turn Around	
Project Number:	13261	Routine:	☑
Project Location	Rural Eddy county	Rush:	[ ]
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):		Thermometer ID		
Received Intact:	Yes No	See Page1		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	0	
Sample Custody Seals:	Yes No N/A	Total Containers:		

ANALYSIS REQUEST

Preservative Codes

HNO3: HN
H2SO4: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day received by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005	Sample Comments
FC36@2'	S	1-18-21		2'	1	X	X	X		
FC37@2'	S	1-18-21		2'	1	X	X	X		
FC38@2'	S	1-18-21		2'	1	X	X	X		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Cec Clifton	1-18-21 1556	2		
3			4		
5			6		

Revised Date 08 14 19 Rev 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
Page 85 of 86

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 01.18.2021 03.56.00 PM

Work Order #: 685118

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	2.6	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	Samples received in bulk containers.
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**No**	
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 01.18.2021

Checklist reviewed by: Jessica Kramer Date: 01.19.2021

Jessica Kramer

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Certificate of Analysis Summary 685263

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Tue 01.19.2021 15:23
Report Date: 01.21.2021 13:20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685263-001		685263-002		685263-003		685263-004		685263-005		685263-006	
	Field Id:	FL 39 @ 2'		FL 40 @ 2'		FL 41 @ 3'		FL 42 @ 3'		FL 43 @ 3'		FL 44 @ 3'	
	Depth:	2- ft		2- ft		3- ft		3- ft		3- ft		3- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.19.2021 00:00		01.19.2021 00:00		01.19.2021 00:00		01.19.2021 00:00		01.19.2021 00:00		01.19.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.19.2021 17:03		01.19.2021 17:03		01.19.2021 17:03		01.19.2021 17:03		01.19.2021 17:03		01.19.2021 17:03	
	Analyzed:	01.19.2021 19:54		01.19.2021 20:17		01.19.2021 20:39		01.19.2021 21:02		01.19.2021 21:24		01.19.2021 21:47	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00196	0.00196	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198
Toluene		<0.00200	0.00200	<0.00196	0.00196	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198
Ethylbenzene		<0.00200	0.00200	<0.00196	0.00196	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198
m,p-Xylenes		<0.00401	0.00401	<0.00392	0.00392	<0.00397	0.00397	<0.00401	0.00401	<0.00402	0.00402	<0.00397	0.00397
o-Xylene		<0.00200	0.00200	<0.00196	0.00196	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198
Total Xylenes		<0.00200	0.00200	<0.00196	0.00196	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198
Total BTEX		<0.00200	0.00200	<0.00196	0.00196	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198
Inorganic Anions by EPA 300	***Extracted:***	01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00	
	Analyzed:	01.20.2021 00:46		01.20.2021 01:03		01.20.2021 01:08		01.20.2021 01:14		01.20.2021 01:20		01.20.2021 01:37	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		106	49.6	114	10.0	113	99.4	99.9	10.1	120	99.2	117	10.1
TPH by SW8015 Mod	***Extracted:***	01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00	
	Analyzed:	01.19.2021 19:42		01.19.2021 20:43		01.19.2021 21:03		01.19.2021 21:23		01.19.2021 21:43		01.19.2021 22:03	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.2	50.2	<50.1	50.1	<49.8	49.8	<50.2	50.2	<49.8	49.8	<50.1	50.1
Diesel Range Organics (DRO)		<50.2	50.2	<50.1	50.1	<49.8	49.8	<50.2	50.2	<49.8	49.8	<50.1	50.1
Motor Oil Range Hydrocarbons (MRO)		<50.2	50.2	<50.1	50.1	<49.8	49.8	<50.2	50.2	<49.8	49.8	<50.1	50.1
Total TPH		<50.2	50.2	<50.1	50.1	<49.8	49.8	<50.2	50.2	<49.8	49.8	<50.1	50.1

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 685263

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Tue 01.19.2021 15:23
Report Date: 01.21.2021 13:20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685263-007		685263-008		685263-009		685263-010		685263-011		685263-012	
	Field Id:	FL 45 @ 2'		FL 46 @ 2'		FL 47@ 2'		FL 48@ 2'		FL 49@ 2'		FL 50@ 2'	
	Depth:	2- ft		2- ft		2- ft		2- ft		2- ft		2- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.19.2021 00:00		01.19.2021 00:00		01.19.2021 00:00		01.19.2021 00:00		01.19.2021 00:00		01.19.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.19.2021 17:03		01.19.2021 17:03		01.19.2021 17:03		01.19.2021 17:03		01.19.2021 17:03		01.19.2021 17:03	
	Analyzed:	01.19.2021 22:09		01.19.2021 22:31		01.19.2021 22:54		01.19.2021 23:16		01.20.2021 00:36		01.20.2021 00:58	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199
Toluene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199
m,p-Xylenes		<0.00399	0.00399	<0.00399	0.00399	<0.00401	0.00401	<0.00402	0.00402	<0.00403	0.00403	<0.00398	0.00398
o-Xylene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199
Total Xylenes		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199
Total BTEX		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199
Inorganic Anions by EPA 300	***Extracted:***	01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00	
	Analyzed:	01.20.2021 01:42		01.20.2021 01:48		01.20.2021 01:54		01.20.2021 01:59		01.20.2021 02:05		01.20.2021 02:22	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		103	99.4	112	10.1	110	100	144	100	123	49.9	159	99.6
TPH by SW8015 Mod	***Extracted:***	01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00		01.20.2021 17:00		01.20.2021 17:00	
	Analyzed:	01.19.2021 22:23		01.19.2021 22:43		01.19.2021 23:03		01.19.2021 23:23		** ** ** **		** ** ** **	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.2	50.2	<50.2	50.2	<50.3	50.3	<50.1	50.1	<49.9	49.9	<50.2	50.2
Diesel Range Organics (DRO)		<50.2	50.2	<50.2	50.2	<50.3	50.3	<50.1	50.1	<49.9	49.9	<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)		<50.2	50.2	<50.2	50.2	<50.3	50.3	<50.1	50.1	<49.9	49.9	<50.2	50.2
Total TPH		<50.2	50.2	<50.2	50.2	<50.3	50.3	<50.1	50.1	<49.9	49.9	<50.2	50.2

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 685263

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Tue 01.19.2021 15:23
Report Date: 01.21.2021 13:20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685263-013		685263-014		685263-015		685263-016		685263-017		685263-018	
	Field Id:	FL 51@ 2'		FL 52@ 4'		FL 53@ 4'		FL 54@ 4'		FL 55@ 4'		FL 56@ 4'	
	Depth:	2- ft		4- ft		4- ft		4- ft		4- ft		4- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.19.2021 00:00		01.19.2021 00:00		01.19.2021 00:00		01.19.2021 00:00		01.19.2021 00:00		01.19.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.19.2021 17:03		01.19.2021 17:03		01.19.2021 17:03		01.19.2021 17:03		01.19.2021 17:03		01.19.2021 17:03	
	Analyzed:	01.20.2021 01:21		01.20.2021 01:43		01.20.2021 02:05		01.20.2021 02:28		01.20.2021 02:50		01.20.2021 03:13	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200
Toluene		<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200
Ethylbenzene		<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200
m,p-Xylenes		<0.00398	0.00398	<0.00397	0.00397	<0.00396	0.00396	<0.00402	0.00402	<0.00403	0.00403	<0.00399	0.00399
o-Xylene		<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200
Total Xylenes		<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200
Total BTEX		<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200
Inorganic Anions by EPA 300	***Extracted:***	01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00	
	Analyzed:	01.20.2021 02:28		01.20.2021 02:45		01.20.2021 02:50		01.20.2021 02:56		01.20.2021 03:02		01.20.2021 03:07	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		13.4	10.0	14.1	9.96	15.1	9.90	10.6	9.94	15.2	10.0	16.2	9.94
TPH by SW8015 Mod	***Extracted:***	01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00	
	Analyzed:	** ** ** **		** ** ** **		** ** ** **		** ** ** **		** ** ** **		** ** ** **	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<50.1	50.1	<49.8	49.8	<49.9	49.9	<50.0	50.0
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9	<50.1	50.1	<49.8	49.8	<49.9	49.9	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<50.1	50.1	<49.8	49.8	<49.9	49.9	<50.0	50.0
Total TPH		<50.0	50.0	<49.9	49.9	<50.1	50.1	<49.8	49.8	<49.9	49.9	<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 685263

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Tue 01.19.2021 15:23
Report Date: 01.21.2021 13:20
Project Manager: Jessica Kramer

Analysis Requested							
	Lab Id:	685263-019		685263-020			
	Field Id:	FL 57@ 2'		FL 58@ 2'			
	Depth:	2- ft		2- ft			
	Matrix:	SOIL		SOIL			
	Sampled:	01.19.2021 00:00		01.19.2021 00:00			
BTEX by EPA 8021B	***Extracted:***	01.19.2021 17:03		01.19.2021 17:03			
	Analyzed:	01.20.2021 03:35		01.20.2021 03:58			
	Units/RL:	mg/kg	RL	mg/kg	RL		
Benzene		<0.00198	0.00198	<0.00199	0.00199		
Toluene		<0.00198	0.00198	<0.00199	0.00199		
Ethylbenzene		<0.00198	0.00198	<0.00199	0.00199		
m,p-Xylenes		<0.00396	0.00396	<0.00398	0.00398		
o-Xylene		<0.00198	0.00198	<0.00199	0.00199		
Total Xylenes		<0.00198	0.00198	<0.00199	0.00199		
Total BTEX		<0.00198	0.00198	<0.00199	0.00199		
Inorganic Anions by EPA 300	***Extracted:***	01.19.2021 17:00		01.19.2021 17:00			
	Analyzed:	01.20.2021 03:13		01.20.2021 03:19			
	Units/RL:	mg/kg	RL	mg/kg	RL		
Chloride		31.5	10.0	17.2	9.96		
TPH by SW8015 Mod	***Extracted:***	01.20.2021 17:00		01.20.2021 17:00			
	Analyzed:	** ** ** **		** ** ** **			
	Units/RL:	mg/kg	RL	mg/kg	RL		
Gasoline Range Hydrocarbons (GRO)		<50.3	50.3	<50.1	50.1		
Diesel Range Organics (DRO)		<50.3	50.3	<50.1	50.1		
Motor Oil Range Hydrocarbons (MRO)		<50.3	50.3	<50.1	50.1		
Total TPH		<50.3	50.3	<50.1	50.1		

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer

eurofins | Environment Testing Xenco

Analytical Report 685263

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

Landes Pond Release

13261

01.21.2021

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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01.21.2021

Project Manager: **PM**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **685263**
Landes Pond Release
Project Address: Rural Eddy County

PM :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 685263. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 685263 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 685263

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
FL 39 @ 2'	S	01.19.2021 00:00	2 ft	685263-001
FL 40 @ 2'	S	01.19.2021 00:00	2 ft	685263-002
FL 41 @ 3'	S	01.19.2021 00:00	3 ft	685263-003
FL 42 @ 3'	S	01.19.2021 00:00	3 ft	685263-004
FL 43 @ 3'	S	01.19.2021 00:00	3 ft	685263-005
FL 44 @ 3'	S	01.19.2021 00:00	3 ft	685263-006
FL 45 @ 2'	S	01.19.2021 00:00	2 ft	685263-007
FL 46 @ 2'	S	01.19.2021 00:00	2 ft	685263-008
FL 47@ 2'	S	01.19.2021 00:00	2 ft	685263-009
FL 48@ 2'	S	01.19.2021 00:00	2 ft	685263-010
FL 49@ 2'	S	01.19.2021 00:00	2 ft	685263-011
FL 50@ 2'	S	01.19.2021 00:00	2 ft	685263-012
FL 51@ 2'	S	01.19.2021 00:00	2 ft	685263-013
FL 52@ 4'	S	01.19.2021 00:00	4 ft	685263-014
FL 53@ 4'	S	01.19.2021 00:00	4 ft	685263-015
FL 54@ 4'	S	01.19.2021 00:00	4 ft	685263-016
FL 55@ 4'	S	01.19.2021 00:00	4 ft	685263-017
FL 56@ 4'	S	01.19.2021 00:00	4 ft	685263-018
FL 57@ 2'	S	01.19.2021 00:00	2 ft	685263-019
FL 58@ 2'	S	01.19.2021 00:00	2 ft	685263-020

CASE NARRATIVE

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Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Landes Pond Release

Project ID: *13261*
Work Order Number(s): *685263*

Report Date: *01.21.2021*
Date Received: *01.19.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

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Certificate of Analytical Results 685263

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 39 @ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-001	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**106**	49.6	mg/kg	01.20.2021 00:46		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148334			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.19.2021 19:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.19.2021 19:42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.19.2021 19:42	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	01.19.2021 19:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-135	01.19.2021 19:42	
o-Terphenyl	84-15-1	106	%	70-135	01.19.2021 19:42	

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Certificate of Analytical Results 685263

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 39 @ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-001	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.19.2021 19:54	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.19.2021 19:54	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.19.2021 19:54	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.19.2021 19:54	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.19.2021 19:54	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.19.2021 19:54	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.19.2021 19:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.19.2021 19:54	
4-Bromofluorobenzene	460-00-4	122	%	70-130	01.19.2021 19:54	

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Certificate of Analytical Results 685263

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 40 @ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-002	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**114**	10.0	mg/kg	01.20.2021 16:27		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148334			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.19.2021 20:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.19.2021 20:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.19.2021 20:43	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.19.2021 20:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	01.19.2021 20:43	
o-Terphenyl	84-15-1	98	%	70-135	01.19.2021 20:43	

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Certificate of Analytical Results 685263

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 40 @ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-002	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00196	0.00196	mg/kg	01.19.2021 20:17	U	1
Toluene	108-88-3	<0.00196	0.00196	mg/kg	01.19.2021 20:17	U	1
Ethylbenzene	100-41-4	<0.00196	0.00196	mg/kg	01.19.2021 20:17	U	1
m,p-Xylenes	179601-23-1	<0.00392	0.00392	mg/kg	01.19.2021 20:17	U	1
o-Xylene	95-47-6	<0.00196	0.00196	mg/kg	01.19.2021 20:17	U	1
Total Xylenes	1330-20-7	<0.00196	0.00196	mg/kg	01.19.2021 20:17	U	1
Total BTEX		<0.00196	0.00196	mg/kg	01.19.2021 20:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	117	%	70-130	01.19.2021 20:17	
1,4-Difluorobenzene	540-36-3	102	%	70-130	01.19.2021 20:17	

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Certificate of Analytical Results 685263

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 41 @ 3'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-003	Date Collected:	01.19.2021 00:00	Sample Depth:	3 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**113**	99.4	mg/kg	01.20.2021 01:08		10

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148334			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.19.2021 21:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.19.2021 21:03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.19.2021 21:03	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.19.2021 21:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	01.19.2021 21:03	
o-Terphenyl	84-15-1	92	%	70-135	01.19.2021 21:03	

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Certificate of Analytical Results 685263

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 41 @ 3'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-003	Date Collected:	01.19.2021 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.19.2021 20:39	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.19.2021 20:39	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.19.2021 20:39	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.19.2021 20:39	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.19.2021 20:39	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.19.2021 20:39	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.19.2021 20:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	125	%	70-130	01.19.2021 20:39	
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.19.2021 20:39	

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Certificate of Analytical Results 685263

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 42 @ 3'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-004	Date Collected:	01.19.2021 00:00	Sample Depth:	3 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**99.9**	10.1	mg/kg	01.20.2021 16:33		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148334			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.19.2021 21:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.19.2021 21:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.19.2021 21:23	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	01.19.2021 21:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-135	01.19.2021 21:23	
o-Terphenyl	84-15-1	114	%	70-135	01.19.2021 21:23	

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Certificate of Analytical Results 685263

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 42 @ 3'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-004	Date Collected:	01.19.2021 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.19.2021 21:02	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.19.2021 21:02	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.19.2021 21:02	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.19.2021 21:02	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.19.2021 21:02	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.19.2021 21:02	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.19.2021 21:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	123	%	70-130	01.19.2021 21:02	
1,4-Difluorobenzene	540-36-3	107	%	70-130	01.19.2021 21:02	

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Certificate of Analytical Results 685263

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 43 @ 3'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-005	Date Collected:	01.19.2021 00:00	Sample Depth:	3 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**120**	99.2	mg/kg	01.20.2021 01:20		10

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148334			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.19.2021 21:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.19.2021 21:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.19.2021 21:43	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.19.2021 21:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	01.19.2021 21:43	
o-Terphenyl	84-15-1	101	%	70-135	01.19.2021 21:43	

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Landes Pond Release

Sample Id:	**FL 43 @ 3'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-005	Date Collected:	01.19.2021 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.19.2021 21:24	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.19.2021 21:24	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.19.2021 21:24	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.19.2021 21:24	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.19.2021 21:24	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.19.2021 21:24	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.19.2021 21:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	123	%	70-130	01.19.2021 21:24	
1,4-Difluorobenzene	540-36-3	110	%	70-130	01.19.2021 21:24	

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Landes Pond Release

Sample Id: **FL 44 @ 3'** Matrix: Soil Date Received:01.19.2021 15:23
Lab Sample Id: 685263-006 Date Collected: 01.19.2021 00:00 Sample Depth: 3 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 01.19.2021 17:00 % Moisture:
Seq Number: 3148345 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**117**	10.1	mg/kg	01.20.2021 16:39		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: CAC
Analyst: CAC Date Prep: 01.19.2021 17:00 % Moisture:
Seq Number: 3148334 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.19.2021 22:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.19.2021 22:03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.19.2021 22:03	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.19.2021 22:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	01.19.2021 22:03	
o-Terphenyl	84-15-1	104	%	70-135	01.19.2021 22:03	

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Landes Pond Release

Sample Id:	**FL 44 @ 3'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-006	Date Collected:	01.19.2021 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.19.2021 21:47	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.19.2021 21:47	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.19.2021 21:47	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.19.2021 21:47	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.19.2021 21:47	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.19.2021 21:47	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.19.2021 21:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	114	%	70-130	01.19.2021 21:47	
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.19.2021 21:47	

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Landes Pond Release

Sample Id:	**FL 45 @ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-007	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**103**	99.4	mg/kg	01.20.2021 01:42		10

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148334			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.19.2021 22:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.19.2021 22:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.19.2021 22:23	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	01.19.2021 22:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	118	%	70-135	01.19.2021 22:23	
o-Terphenyl	84-15-1	122	%	70-135	01.19.2021 22:23	

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Landes Pond Release

Sample Id:	**FL 45 @ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-007	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.19.2021 22:09	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.19.2021 22:09	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.19.2021 22:09	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.19.2021 22:09	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.19.2021 22:09	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.19.2021 22:09	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.19.2021 22:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	01.19.2021 22:09	
4-Bromofluorobenzene	460-00-4	118	%	70-130	01.19.2021 22:09	

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Landes Pond Release

Sample Id:	**FL 46 @ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-008	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**112**	10.1	mg/kg	01.20.2021 16:44		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148334			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.19.2021 22:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.19.2021 22:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.19.2021 22:43	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	01.19.2021 22:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	01.19.2021 22:43	
o-Terphenyl	84-15-1	92	%	70-135	01.19.2021 22:43	

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Landes Pond Release

Sample Id:	**FL 46 @ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-008	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.19.2021 22:31	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.19.2021 22:31	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.19.2021 22:31	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.19.2021 22:31	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.19.2021 22:31	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.19.2021 22:31	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.19.2021 22:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	01.19.2021 22:31	
4-Bromofluorobenzene	460-00-4	125	%	70-130	01.19.2021 22:31	

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Landes Pond Release

Sample Id:	**FL 47@ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-009	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**110**	100	mg/kg	01.20.2021 01:54		10

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148334			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	01.19.2021 23:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	01.19.2021 23:03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	01.19.2021 23:03	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	01.19.2021 23:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	122	%	70-135	01.19.2021 23:03	
o-Terphenyl	84-15-1	106	%	70-135	01.19.2021 23:03	

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Landes Pond Release

Sample Id:	**FL 47@ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-009	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.19.2021 22:54	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.19.2021 22:54	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.19.2021 22:54	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.19.2021 22:54	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.19.2021 22:54	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.19.2021 22:54	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.19.2021 22:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	122	%	70-130	01.19.2021 22:54	
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.19.2021 22:54	

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Landes Pond Release

Sample Id:	**FL 48@ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-010	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**144**	100	mg/kg	01.20.2021 01:59		10

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148334			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.19.2021 23:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.19.2021 23:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.19.2021 23:23	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.19.2021 23:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-135	01.19.2021 23:23	
o-Terphenyl	84-15-1	98	%	70-135	01.19.2021 23:23	

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Landes Pond Release

Sample Id:	**FL 48@ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-010	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.19.2021 23:16	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.19.2021 23:16	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.19.2021 23:16	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.19.2021 23:16	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.19.2021 23:16	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.19.2021 23:16	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.19.2021 23:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.19.2021 23:16	
4-Bromofluorobenzene	460-00-4	115	%	70-130	01.19.2021 23:16	

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Landes Pond Release

Sample Id:	**FL 49@ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-011	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**123**	49.9	mg/kg	01.20.2021 02:05		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148332			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.19.2021 19:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.19.2021 19:42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.19.2021 19:42	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.19.2021 19:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	01.19.2021 19:42	
o-Terphenyl	84-15-1	116	%	70-135	01.19.2021 19:42	

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Landes Pond Release

Sample Id:	**FL 49@ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-011	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.20.2021 00:36	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.20.2021 00:36	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.20.2021 00:36	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.20.2021 00:36	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.20.2021 00:36	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.20.2021 00:36	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.20.2021 00:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	107	%	70-130	01.20.2021 00:36	
4-Bromofluorobenzene	460-00-4	122	%	70-130	01.20.2021 00:36	

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Landes Pond Release

Sample Id:	**FL 50@ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-012	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**159**	99.6	mg/kg	01.20.2021 02:22		10

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148332			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.19.2021 20:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.19.2021 20:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.19.2021 20:43	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	01.19.2021 20:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-135	01.19.2021 20:43	
o-Terphenyl	84-15-1	87	%	70-135	01.19.2021 20:43	

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Landes Pond Release

Sample Id:	**FL 50@ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-012	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.20.2021 00:58	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.20.2021 00:58	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.20.2021 00:58	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.20.2021 00:58	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.20.2021 00:58	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.20.2021 00:58	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.20.2021 00:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	01.20.2021 00:58	
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.20.2021 00:58	

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Landes Pond Release

Sample Id:	**FL 51@ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-013	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**13.4**	10.0	mg/kg	01.20.2021 02:28		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148332			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.19.2021 21:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.19.2021 21:03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.19.2021 21:03	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.19.2021 21:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	01.19.2021 21:03	
o-Terphenyl	84-15-1	94	%	70-135	01.19.2021 21:03	

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Landes Pond Release

Sample Id:	**FL 51@ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-013	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.20.2021 01:21	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.20.2021 01:21	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.20.2021 01:21	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.20.2021 01:21	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.20.2021 01:21	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.20.2021 01:21	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.20.2021 01:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.20.2021 01:21	
4-Bromofluorobenzene	460-00-4	126	%	70-130	01.20.2021 01:21	

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Landes Pond Release

Sample Id:	**FL 52@ 4'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-014	Date Collected:	01.19.2021 00:00	Sample Depth:	4 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**14.1**	9.96	mg/kg	01.20.2021 02:45		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148332			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.19.2021 21:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.19.2021 21:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.19.2021 21:23	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.19.2021 21:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	01.19.2021 21:23	
o-Terphenyl	84-15-1	97	%	70-135	01.19.2021 21:23	

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Landes Pond Release

Sample Id:	**FL 52@ 4'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-014	Date Collected:	01.19.2021 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.20.2021 01:43	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.20.2021 01:43	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.20.2021 01:43	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.20.2021 01:43	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.20.2021 01:43	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.20.2021 01:43	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.20.2021 01:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.20.2021 01:43	
1,4-Difluorobenzene	540-36-3	106	%	70-130	01.20.2021 01:43	

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Landes Pond Release

Sample Id:	**FL 53@ 4'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-015	Date Collected:	01.19.2021 00:00	Sample Depth:	4 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**15.1**	9.90	mg/kg	01.20.2021 02:50		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148332			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.19.2021 21:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.19.2021 21:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.19.2021 21:43	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.19.2021 21:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	01.19.2021 21:43	
o-Terphenyl	84-15-1	95	%	70-135	01.19.2021 21:43	

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Landes Pond Release

Sample Id:	**FL 53@ 4'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-015	Date Collected:	01.19.2021 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.20.2021 02:05	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.20.2021 02:05	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.20.2021 02:05	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	01.20.2021 02:05	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.20.2021 02:05	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.20.2021 02:05	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.20.2021 02:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	120	%	70-130	01.20.2021 02:05	
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.20.2021 02:05	

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Landes Pond Release

Sample Id:	**FL 54@ 4'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-016	Date Collected:	01.19.2021 00:00	Sample Depth:	4 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**10.6**	9.94	mg/kg	01.20.2021 02:56		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148332			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.19.2021 22:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.19.2021 22:03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.19.2021 22:03	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.19.2021 22:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	01.19.2021 22:03	
o-Terphenyl	84-15-1	83	%	70-135	01.19.2021 22:03	

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Landes Pond Release

Sample Id:	**FL 54@ 4'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-016	Date Collected:	01.19.2021 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.20.2021 02:28	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.20.2021 02:28	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.20.2021 02:28	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.20.2021 02:28	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.20.2021 02:28	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.20.2021 02:28	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.20.2021 02:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.20.2021 02:28	
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.20.2021 02:28	

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Landes Pond Release

Sample Id:	**FL 55@ 4'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-017	Date Collected:	01.19.2021 00:00	Sample Depth:	4 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**15.2**	10.0	mg/kg	01.20.2021 03:02		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148332			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.19.2021 22:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.19.2021 22:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.19.2021 22:23	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.19.2021 22:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	01.19.2021 22:23	
o-Terphenyl	84-15-1	119	%	70-135	01.19.2021 22:23	

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Landes Pond Release

Sample Id:	**FL 55@ 4'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-017	Date Collected:	01.19.2021 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.20.2021 02:50	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.20.2021 02:50	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.20.2021 02:50	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.20.2021 02:50	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.20.2021 02:50	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.20.2021 02:50	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.20.2021 02:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	99	%	70-130	01.20.2021 02:50	
4-Bromofluorobenzene	460-00-4	115	%	70-130	01.20.2021 02:50	

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Landes Pond Release

Sample Id:	**FL 56@ 4'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-018	Date Collected:	01.19.2021 00:00	Sample Depth:	4 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**16.2**	9.94	mg/kg	01.20.2021 03:07		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148332			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.19.2021 22:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.19.2021 22:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.19.2021 22:43	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.19.2021 22:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-135	01.19.2021 22:43	
o-Terphenyl	84-15-1	93	%	70-135	01.19.2021 22:43	

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Landes Pond Release

Sample Id:	**FL 56@ 4'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-018	Date Collected:	01.19.2021 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.20.2021 03:13	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.20.2021 03:13	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.20.2021 03:13	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.20.2021 03:13	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.20.2021 03:13	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.20.2021 03:13	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.20.2021 03:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	108	%	70-130	01.20.2021 03:13	
4-Bromofluorobenzene	460-00-4	128	%	70-130	01.20.2021 03:13	

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Certificate of Analytical Results 685263

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 57@ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-019	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**31.5**	10.0	mg/kg	01.20.2021 03:13		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148332			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	01.19.2021 23:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	01.19.2021 23:03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	01.19.2021 23:03	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	01.19.2021 23:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	01.19.2021 23:03	
o-Terphenyl	84-15-1	103	%	70-135	01.19.2021 23:03	

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Certificate of Analytical Results 685263

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 57@ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-019	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.20.2021 03:35	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.20.2021 03:35	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.20.2021 03:35	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	01.20.2021 03:35	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.20.2021 03:35	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.20.2021 03:35	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.20.2021 03:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.20.2021 03:35	
4-Bromofluorobenzene	460-00-4	122	%	70-130	01.20.2021 03:35	

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Certificate of Analytical Results 685263

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 58@ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-020	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**17.2**	9.96	mg/kg	01.20.2021 03:19		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148332			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.19.2021 23:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.19.2021 23:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.19.2021 23:23	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.19.2021 23:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	112	%	70-135	01.19.2021 23:23	
o-Terphenyl	84-15-1	104	%	70-135	01.19.2021 23:23	

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Certificate of Analytical Results 685263

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 58@ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-020	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.20.2021 03:58	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.20.2021 03:58	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.20.2021 03:58	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.20.2021 03:58	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.20.2021 03:58	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.20.2021 03:58	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.20.2021 03:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	108	%	70-130	01.20.2021 03:58	
4-Bromofluorobenzene	460-00-4	123	%	70-130	01.20.2021 03:58	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 685263

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148345 — Matrix: Solid — Date Prep: 01.19.2021
MB Sample Id: 7719562-1-BLK — LCS Sample Id: 7719562-1-BKS — LCSD Sample Id: 7719562-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	200	210	105	206	103	90-110	2	20	mg/kg	01.20.2021 00:34	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148345 — Matrix: Soil — Date Prep: 01.19.2021
Parent Sample Id: 685263-001 — MS Sample Id: 685263-001 S — MSD Sample Id: 685263-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	106	200	302	98	304	99	90-110	1	20	mg/kg	01.20.2021 00:51	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148345 — Matrix: Soil — Date Prep: 01.19.2021
Parent Sample Id: 685263-011 — MS Sample Id: 685263-011 S — MSD Sample Id: 685263-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	123	198	313	96	319	98	90-110	2	20	mg/kg	01.20.2021 02:11	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148334 — Matrix: Solid — Date Prep: 01.19.2021
MB Sample Id: 7719555-1-BLK — LCS Sample Id: 7719555-1-BKS — LCSD Sample Id: 7719555-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1100	110	1000	100	70-135	10	35	mg/kg	01.19.2021 19:02	
Diesel Range Organics (DRO)	<50.0	1000	1190	119	1090	109	70-135	9	35	mg/kg	01.19.2021 19:02	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	96		95		111		70-135	%	01.19.2021 19:02
o-Terphenyl	91		89		91		70-135	%	01.19.2021 19:02

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148332 — Matrix: Solid — Date Prep: 01.20.2021
MB Sample Id: 7719556-1-BLK — LCS Sample Id: 7719556-1-BKS — LCSD Sample Id: 7719556-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1110	111	948	95	70-135	16	35	mg/kg	01.19.2021 19:02	
Diesel Range Organics (DRO)	<50.0	1000	952	95	1130	113	70-135	17	35	mg/kg	01.19.2021 19:02	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	100		96		98		70-135	%	01.19.2021 19:02
o-Terphenyl	116		98		104		70-135	%	01.19.2021 19:02

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Final 1.000

QC Summary 685263

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148334 — Matrix: Solid — Date Prep: 01.19.2021
MB Sample Id: 7719555-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.19.2021 18:42	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148332 — Matrix: Solid — Date Prep: 01.20.2021
MB Sample Id: 7719556-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.19.2021 18:42	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148334 — Matrix: Soil — Date Prep: 01.19.2021
Parent Sample Id: 685263-001 — MS Sample Id: 685263-001 S — MSD Sample Id: 685263-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.2	1000	872	87	938	94	70-135	7	35	mg/kg	01.19.2021 20:02	
Diesel Range Organics (DRO)	<50.2	1000	935	94	981	98	70-135	5	35	mg/kg	01.19.2021 20:02	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	94		98		70-135	%	01.19.2021 20:02
o-Terphenyl	98		94		70-135	%	01.19.2021 20:02

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148332 — Matrix: Soil — Date Prep: 01.20.2021
Parent Sample Id: 685263-011 — MS Sample Id: 685263-011 S — MSD Sample Id: 685263-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.1	1000	972	97	893	89	70-135	8	35	mg/kg	01.19.2021 20:02	
Diesel Range Organics (DRO)	<50.1	1000	876	88	964	96	70-135	10	35	mg/kg	01.19.2021 20:02	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	108		99		70-135	%	01.19.2021 20:02
o-Terphenyl	105		109		70-135	%	01.19.2021 20:02

MS/MSD Percent Recovery — [D] = 100*(C-A) / B
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery — [D] = 100 * (C) / [B]
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 685263

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3148330 Matrix: Solid Date Prep: 01.19.2021
MB Sample Id: 7719575-1-BLK LCS Sample Id: 7719575-1-BKS LCSD Sample Id: 7719575-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.100	100	0.102	102	70-130	2	35	mg/kg	01.19.2021 17:49	
Toluene	<0.00200	0.100	0.0944	94	0.0973	97	70-130	3	35	mg/kg	01.19.2021 17:49	
Ethylbenzene	<0.00200	0.100	0.0978	98	0.104	104	71-129	6	35	mg/kg	01.19.2021 17:49	
m,p-Xylenes	<0.00400	0.200	0.204	102	0.213	107	70-135	4	35	mg/kg	01.19.2021 17:49	
o-Xylene	<0.00200	0.100	0.102	102	0.104	104	71-133	2	35	mg/kg	01.19.2021 17:49	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		102		102		70-130	%	01.19.2021 17:49
4-Bromofluorobenzene	111		110		111		70-130	%	01.19.2021 17:49

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3148330 Matrix: Soil Date Prep: 01.19.2021
Parent Sample Id: 685263-001 MS Sample Id: 685263-001 S MSD Sample Id: 685263-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.105	105	0.0966	96	70-130	8	35	mg/kg	01.19.2021 18:34	
Toluene	<0.00200	0.100	0.0973	97	0.0916	91	70-130	6	35	mg/kg	01.19.2021 18:34	
Ethylbenzene	<0.00200	0.100	0.104	104	0.0947	94	71-129	9	35	mg/kg	01.19.2021 18:34	
m,p-Xylenes	<0.00401	0.200	0.214	107	0.196	98	70-135	9	35	mg/kg	01.19.2021 18:34	
o-Xylene	<0.00200	0.100	0.104	104	0.0967	96	71-133	7	35	mg/kg	01.19.2021 18:34	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		100		70-130	%	01.19.2021 18:34
4-Bromofluorobenzene	112		108		70-130	%	01.19.2021 18:34

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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Chain of Custody

XENCO

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 685263

www.xenco.com Page 1 of 2

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Solaris
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechenv.com + Client

Work Order Comments

Program: UST/PST [ ] PRP [ ] Brownfields [ ] RRC [ ] Superfund [ ]
State of Project:
Reporting: Level II [ ] Level III [ ] PST/UST [ ] TRRP [ ] Level IV [ ]
Deliverables: EDD [ ] ADaPT [ ] Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	✓
Project Location	Rural Eddy county	Rush:	[ ]
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	1.2/1.0	Thermometer ID	T-NM-007	
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Total Containers:	20	

ANALYSIS REQUEST

Preservative Codes

HNO3: HN
H2SO4: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day received by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005	Sample Comments
FL 39 @2'	S	1-19-21		2'	1	X	X	X		
FL 40@2'	S	1-19-21		2'	1	X	X	X		
FL 41@3'	S	1-19-21		3'	1	X	X	X		
FL 42@3'	S	1-19-21		3'	1	X	X	X		
FL 43@3'	S	1-19-21		3'	1	X	X	X		
FL 44@3'	S	1-19-21		3'	1	X	X	X		
FL 45@3'	S	1-19-21		3'	1	X	X	X		
FL 46@2'	S	1-19-21		2'	1	X	X	X		
FL 47@2'	S	1-19-21		2'	1	X	X	X		
FL 48@2'	S	1-19-21		2'	1	X	X	X		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		1-19-21 1523	4		
3			6		
5					

Revised Date 101419 Rev 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
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Chain of Custody

XENCO

Work Order No: 685263

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Solaris
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechenv.com + Client

Work Order Comments

Program: UST/PST [ ] PRP [ ] Brownfields [ ] RRC [ ] Superfund [ ]
State of Project:
Reporting: Level II [ ] Level III [ ] PST/UST [ ] TRRP [ ] Level IV [ ]
Deliverables: EDD [ ] ADaPT [ ] Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	✓
Project Location	Rural Eddy county	Rush:	[ ]
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			

SAMPLE RECEIPT			
Temperature (°C):		Thermometer ID	See Page 1
Received Intact:	Yes No		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Total Containers:	

Temp Blank: Yes No Wet Ice: Yes No

ANALYSIS REQUEST

Preservative Codes

HNO3: HN
H2SO4: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day received by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride 300	BTEX 8021	TPH Modified 8x1	TPH TX1005	Sample Comments
FL49@2'	S	1.19.21		2'	1	X	X	X		
FL50@2'	S	1.19.21		2'	1	X	X	X		
FL51@4'	S	1.19.21		4'	1	X	X	X		
FL52@4'	S	1.19.21		4'	1	X	X	X		
FL53@4'	S	1.19.21		4'	1	X	X	X		
FL54@4'	S	1.19.21		4'	1	X	X	X		
FL55@4'	S	1.19.21		4'	1	X	X	X		
FL56@4'	S	1.19.21		4'	1	X	X	X		
FL57@2'	S	1.19.21		2'	1	X	X	X		
FL58@2'	S	1.19.21		2'	1	X	X	X		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Cloe Cuttis	1.19.21 1523	2		
3			4		
5			6		

Revised Date 10141 9 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
Page 54 of 55

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 01.19.2021 03.23.00 PM

Work Order #: 685263

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	1	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	Samples received in bulk containers.
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**No**	
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 01.19.2021

Checklist reviewed by: Jessica Kramer Date: 01.20.2021

Jessica Kramer

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Certificate of Analysis Summary 685461

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Wed 01.20.2021 15:41
Report Date: 01.25.2021 13:50
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685461-001		685461-002		685461-003		685461-004		685461-005		685461-006	
	Field Id:	FL 59 @ 1'		FL 60 @ 1'		FL 61 @ 1'		FL 62 @ 1'		FL 63 @ 1'		FL 64 @ 1'	
	Depth:	1- ft		1- ft		1- ft		1- ft		1- ft		1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.20.2021 00:00		01.20.2021 00:00		01.20.2021 00:00		01.20.2021 00:00		01.20.2021 00:00		01.20.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00	
	Analyzed:	01.20.2021 22:46		01.20.2021 23:09		01.20.2021 23:31		01.20.2021 23:53		01.21.2021 00:16		01.21.2021 01:33	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
Toluene		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
Ethylbenzene		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
m,p-Xylenes		<0.00398	0.00398	<0.00403	0.00403	<0.00401	0.00401	<0.00403	0.00403	<0.00398	0.00398	<0.00399	0.00399
o-Xylene		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
Total Xylenes		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
Total BTEX		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
Inorganic Anions by EPA 300	***Extracted:***	01.21.2021 15:00		01.21.2021 15:00		01.21.2021 15:00		01.21.2021 15:00		01.21.2021 15:00		01.21.2021 15:00	
	Analyzed:	01.21.2021 16:06		01.21.2021 16:12		01.21.2021 16:18		01.21.2021 16:23		01.21.2021 16:29		** ** ** **	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		266	9.94	15.0	10.1	24.1	10.0	50.4	9.98	111	9.94	83.2	9.94
TPH by SW8015 Mod	***Extracted:***	01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00	
	Analyzed:	01.20.2021 22:43		01.20.2021 23:03		01.20.2021 23:24		01.20.2021 23:44		01.21.2021 00:04		01.21.2021 00:44	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.3	50.3	<50.0	50.0	<49.9	49.9	<50.1	50.1	<50.0	50.0	<49.8	49.8
Diesel Range Organics (DRO)		<50.3	50.3	<50.0	50.0	<49.9	49.9	<50.1	50.1	<50.0	50.0	<49.8	49.8
Motor Oil Range Hydrocarbons (MRO)		<50.3	50.3	<50.0	50.0	<49.9	49.9	<50.1	50.1	<50.0	50.0	<49.8	49.8
Total TPH		<50.3	50.3	<50.0	50.0	<49.9	49.9	<50.1	50.1	<50.0	50.0	<49.8	49.8

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 685461

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Wed 01.20.2021 15:41
Report Date: 01.25.2021 13:50
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685461-007		685461-008		685461-009		685461-010		685461-011		685461-012	
	Field Id:	FL 65 @ 1'		FL 66 @ 1'		FL 67 @ 1'		FL 68 @ 1'		FL 69@ 1'		FL 70 @ 1'	
	Depth:	1- ft		1- ft		1- ft		1- ft		1- ft		1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.20.2021 00:00		01.20.2021 00:00		01.20.2021 00:00		01.20.2021 00:00		01.20.2021 00:00		01.20.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00	
	Analyzed:	01.21.2021 01:56		01.21.2021 02:18		01.21.2021 02:41		01.21.2021 03:03		01.21.2021 03:25		01.21.2021 03:48	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00196	0.00196	<0.00202	0.00202
Toluene		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00196	0.00196	<0.00202	0.00202
Ethylbenzene		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00196	0.00196	<0.00202	0.00202
m,p-Xylenes		<0.00398	0.00398	<0.00399	0.00399	<0.00397	0.00397	<0.00395	0.00395	<0.00392	0.00392	<0.00403	0.00403
o-Xylene		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00196	0.00196	<0.00202	0.00202
Total Xylenes		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00196	0.00196	<0.00202	0.00202
Total BTEX		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00196	0.00196	<0.00202	0.00202
Inorganic Anions by EPA 300	***Extracted:***	01.21.2021 15:00		01.21.2021 15:00		01.21.2021 15:00		01.21.2021 15:00		01.21.2021 15:00		01.21.2021 15:00	
	Analyzed:	** ** ** **		** ** ** **		** ** ** **		** ** ** **		** ** ** **		** ** ** **	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		103	9.94	28.3	9.96	44.7	10.0	74.9	10.1	46.3	9.96	103	10.1
TPH by SW8015 Mod	***Extracted:***	01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00	
	Analyzed:	01.21.2021 01:04		01.21.2021 01:24		01.20.2021 20:21		01.20.2021 21:22		01.20.2021 21:42		01.20.2021 22:02	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<49.8	49.8	<49.8	49.8	<50.2	50.2	<49.8	49.8	<50.0	50.0
Diesel Range Organics (DRO)		<49.8	49.8	<49.8	49.8	<49.8	49.8	<50.2	50.2	<49.8	49.8	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<49.8	49.8	<49.8	49.8	<50.2	50.2	<49.8	49.8	<50.0	50.0
Total TPH		<49.8	49.8	<49.8	49.8	<49.8	49.8	<50.2	50.2	<49.8	49.8	<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 685461

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Wed 01.20.2021 15:41
Report Date: 01.25.2021 13:50
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685461-013		685461-014		685461-015		685461-016		685461-017		685461-018	
	Field Id:	EW 5		WW 4		WW 3		EW 6		EW 7		EW 8	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.20.2021 00:00		01.20.2021 00:00		01.20.2021 00:00		01.20.2021 00:00		01.20.2021 00:00		01.20.2021 00:00	
BTEX by EPA 8021B	Extracted:	01.20.2021 17:00		** ** ** **		** ** ** **		** ** ** **		** ** ** **		** ** ** **	
	Analyzed:	01.21.2021 04:10		01.20.2021 23:29		01.20.2021 23:52		01.20.2021 21:37		01.20.2021 21:59		01.20.2021 22:22	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198
Toluene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198
m,p-Xylenes		<0.00401	0.00401	<0.00401	0.00401	<0.00401	0.00401	<0.00402	0.00402	<0.00399	0.00399	<0.00397	0.00397
o-Xylene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198
Total Xylenes		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198
Total BTEX		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198
Inorganic Anions by EPA 300	Extracted:	01.21.2021 15:00		01.21.2021 15:00		01.21.2021 15:00		01.21.2021 15:00		01.21.2021 15:00		01.21.2021 15:00	
	Analyzed:	** ** ** **		01.21.2021 15:04		01.21.2021 15:10		01.21.2021 15:15		01.21.2021 15:32		01.21.2021 15:38	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		43.0	9.96	18.3	10.1	22.6	9.90	<10.1	10.1	117	10.0	15.3	10.0
TPH by SW8015 Mod	Extracted:	01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00	
	Analyzed:	01.20.2021 22:23		01.20.2021 22:43		01.20.2021 23:03		01.20.2021 23:24		01.20.2021 23:44		01.21.2021 00:04	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.2	50.2
Diesel Range Organics (DRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.2	50.2
Total TPH		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.2	50.2

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 685461

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Wed 01.20.2021 15:41
Report Date: 01.25.2021 13:50
Project Manager: Jessica Kramer

Analysis Requested									
	Lab Id:	685461-019		685461-020					
	Field Id:	SW 6		WW 5					
	Depth:								
	Matrix:	SOIL		SOIL					
	Sampled:	01.20.2021 00:00		01.20.2021 00:00					
BTEX by EPA 8021B	***Extracted:***	** ** ** **		** ** ** **					
	Analyzed:	01.20.2021 22:44		01.20.2021 23:07					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Benzene		<0.00200	0.00200	<0.00199	0.00199				
Toluene		<0.00200	0.00200	<0.00199	0.00199				
Ethylbenzene		<0.00200	0.00200	<0.00199	0.00199				
m,p-Xylenes		<0.00399	0.00399	<0.00398	0.00398				
o-Xylene		<0.00200	0.00200	<0.00199	0.00199				
Total Xylenes		<0.00200	0.00200	<0.00199	0.00199				
Total BTEX		<0.00200	0.00200	<0.00199	0.00199				
Inorganic Anions by EPA 300	***Extracted:***	01.21.2021 15:00		01.21.2021 15:00					
	Analyzed:	01.21.2021 15:55		01.21.2021 16:01					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Chloride		63.5	10.1	137	10.0				
TPH by SW8015 Mod	***Extracted:***	01.20.2021 17:00		01.20.2021 17:00					
	Analyzed:	01.21.2021 00:44		01.21.2021 01:04					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.1	50.1	<50.1	50.1				
Diesel Range Organics (DRO)		<50.1	50.1	<50.1	50.1				
Motor Oil Range Hydrocarbons (MRO)		<50.1	50.1	<50.1	50.1				
Total TPH		<50.1	50.1	<50.1	50.1				

BRL - Below Reporting Limit

Jessica Kramer

eurofins | Environment Testing Xenco

Analytical Report 685461

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

Landes Pond Release

13261

01.25.2021

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

eurofins | Environment Testing Xenco

01.25.2021

Project Manager: **PM**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **685461**
Landes Pond Release
Project Address: Rural Eddy County

PM :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 685461. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 685461 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 685461

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
FL 59 @ 1'	S	01.20.2021 00:00	1 ft	685461-001
FL 60 @ 1'	S	01.20.2021 00:00	1 ft	685461-002
FL 61 @ 1'	S	01.20.2021 00:00	1 ft	685461-003
FL 62 @ 1'	S	01.20.2021 00:00	1 ft	685461-004
FL 63 @ 1'	S	01.20.2021 00:00	1 ft	685461-005
FL 64 @ 1'	S	01.20.2021 00:00	1 ft	685461-006
FL 65 @ 1'	S	01.20.2021 00:00	1 ft	685461-007
FL 66 @ 1'	S	01.20.2021 00:00	1 ft	685461-008
FL 67 @ 1'	S	01.20.2021 00:00	1 ft	685461-009
FL 68 @ 1'	S	01.20.2021 00:00	1 ft	685461-010
FL 69@ 1'	S	01.20.2021 00:00	1 ft	685461-011
FL 70 @ 1'	S	01.20.2021 00:00	1 ft	685461-012
EW 5	S	01.20.2021 00:00		685461-013
WW 4	S	01.20.2021 00:00		685461-014
WW 3	S	01.20.2021 00:00		685461-015
EW 6	S	01.20.2021 00:00		685461-016
EW 7	S	01.20.2021 00:00		685461-017
EW 8	S	01.20.2021 00:00		685461-018
SW 6	S	01.20.2021 00:00		685461-019
WW 5	S	01.20.2021 00:00		685461-020

CASE NARRATIVE

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Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Landes Pond Release

Project ID: *13261*
Work Order Number(s): *685461*

Report Date: *01.25.2021*
Date Received: *01.20.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

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Certificate of Analytical Results 685461

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 59 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-001	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.21.2021 15:00	% Moisture:	
Seq Number:	3148604			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**266**	9.94	mg/kg	01.21.2021 16:06		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148431			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	01.20.2021 22:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	01.20.2021 22:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	01.20.2021 22:43	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	01.20.2021 22:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-135	01.20.2021 22:43	
o-Terphenyl	84-15-1	122	%	70-135	01.20.2021 22:43	

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Certificate of Analytical Results 685461

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 59 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-001	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148433			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.20.2021 22:46	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.20.2021 22:46	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.20.2021 22:46	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.20.2021 22:46	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.20.2021 22:46	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.20.2021 22:46	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.20.2021 22:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	01.20.2021 22:46	
1,4-Difluorobenzene	540-36-3	98	%	70-130	01.20.2021 22:46	

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Certificate of Analytical Results 685461

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 60 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-002	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.21.2021 15:00	% Moisture:	
Seq Number:	3148604			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**15.0**	10.1	mg/kg	01.21.2021 16:12		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148431			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.20.2021 23:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.20.2021 23:03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.20.2021 23:03	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.20.2021 23:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	01.20.2021 23:03	
o-Terphenyl	84-15-1	116	%	70-135	01.20.2021 23:03	

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Certificate of Analytical Results 685461

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 60 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-002	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148433			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.20.2021 23:09	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.20.2021 23:09	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.20.2021 23:09	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.20.2021 23:09	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.20.2021 23:09	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.20.2021 23:09	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.20.2021 23:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	01.20.2021 23:09	
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.20.2021 23:09	

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Certificate of Analytical Results 685461

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 61 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-003	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.21.2021 15:00	% Moisture:	
Seq Number:	3148604			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**24.1**	10.0	mg/kg	01.21.2021 16:18		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148431			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.20.2021 23:24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.20.2021 23:24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.20.2021 23:24	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.20.2021 23:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	01.20.2021 23:24	
o-Terphenyl	84-15-1	107	%	70-135	01.20.2021 23:24	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 61 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-003	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148433			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.20.2021 23:31	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.20.2021 23:31	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.20.2021 23:31	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.20.2021 23:31	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.20.2021 23:31	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.20.2021 23:31	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.20.2021 23:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	99	%	70-130	01.20.2021 23:31	
4-Bromofluorobenzene	460-00-4	90	%	70-130	01.20.2021 23:31	

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Certificate of Analytical Results 685461

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 62 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-004	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.21.2021 15:00	% Moisture:	
Seq Number:	3148604			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**50.4**	9.98	mg/kg	01.21.2021 16:23		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148431			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.20.2021 23:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.20.2021 23:44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.20.2021 23:44	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.20.2021 23:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	01.20.2021 23:44	
o-Terphenyl	84-15-1	109	%	70-135	01.20.2021 23:44	

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Certificate of Analytical Results 685461

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 62 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-004	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148433			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.20.2021 23:53	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.20.2021 23:53	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.20.2021 23:53	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.20.2021 23:53	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.20.2021 23:53	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.20.2021 23:53	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.20.2021 23:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.20.2021 23:53	
4-Bromofluorobenzene	460-00-4	91	%	70-130	01.20.2021 23:53	

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Certificate of Analytical Results 685461

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 63 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-005	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.21.2021 15:00	% Moisture:	
Seq Number:	3148604			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**111**	9.94	mg/kg	01.21.2021 16:29		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148431			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.21.2021 00:04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.21.2021 00:04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.21.2021 00:04	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.21.2021 00:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	01.21.2021 00:04	
o-Terphenyl	84-15-1	101	%	70-135	01.21.2021 00:04	

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Certificate of Analytical Results 685461

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 63 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-005	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148433			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.21.2021 00:16	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.21.2021 00:16	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.21.2021 00:16	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.21.2021 00:16	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.21.2021 00:16	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.21.2021 00:16	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.21.2021 00:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	99	%	70-130	01.21.2021 00:16	
4-Bromofluorobenzene	460-00-4	95	%	70-130	01.21.2021 00:16	

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Certificate of Analytical Results 685461

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 64 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-006	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.21.2021 15:00	% Moisture:	
Seq Number:	3148604			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**83.2**	9.94	mg/kg	01.21.2021 13:56		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148431			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.21.2021 00:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.21.2021 00:44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.21.2021 00:44	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.21.2021 00:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	119	%	70-135	01.21.2021 00:44	
o-Terphenyl	84-15-1	94	%	70-135	01.21.2021 00:44	

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Certificate of Analytical Results 685461

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 64 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-006	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148433			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.21.2021 01:33	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.21.2021 01:33	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.21.2021 01:33	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.21.2021 01:33	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.21.2021 01:33	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.21.2021 01:33	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.21.2021 01:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	87	%	70-130	01.21.2021 01:33	
1,4-Difluorobenzene	540-36-3	98	%	70-130	01.21.2021 01:33	

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Certificate of Analytical Results 685461

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 65 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-007	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.21.2021 15:00	% Moisture:	
Seq Number:	3148604			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**103**	9.94	mg/kg	01.21.2021 14:13		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148431			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.21.2021 01:04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.21.2021 01:04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.21.2021 01:04	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.21.2021 01:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	01.21.2021 01:04	
o-Terphenyl	84-15-1	115	%	70-135	01.21.2021 01:04	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 65 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-007	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148433			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.21.2021 01:56	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.21.2021 01:56	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.21.2021 01:56	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.21.2021 01:56	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.21.2021 01:56	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.21.2021 01:56	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.21.2021 01:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	95	%	70-130	01.21.2021 01:56	
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.21.2021 01:56	

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Landes Pond Release

Sample Id:	**FL 66 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-008	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.21.2021 15:00	% Moisture:	
Seq Number:	3148604			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**28.3**	9.96	mg/kg	01.21.2021 14:19		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148431			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.21.2021 01:24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.21.2021 01:24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.21.2021 01:24	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.21.2021 01:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-135	01.21.2021 01:24	
o-Terphenyl	84-15-1	96	%	70-135	01.21.2021 01:24	

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Landes Pond Release

Sample Id:	**FL 66 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-008	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148433			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.21.2021 02:18	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.21.2021 02:18	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.21.2021 02:18	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.21.2021 02:18	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.21.2021 02:18	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.21.2021 02:18	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.21.2021 02:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.21.2021 02:18	
4-Bromofluorobenzene	460-00-4	93	%	70-130	01.21.2021 02:18	

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Landes Pond Release

Sample Id:	**FL 67 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-009	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.21.2021 15:00	% Moisture:	
Seq Number:	3148604			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**44.7**	10.0	mg/kg	01.21.2021 14:24		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148432			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.20.2021 20:21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.20.2021 20:21	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.20.2021 20:21	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.20.2021 20:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	01.20.2021 20:21	
o-Terphenyl	84-15-1	95	%	70-135	01.20.2021 20:21	

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Landes Pond Release

Sample Id:	**FL 67 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-009	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148433			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.21.2021 02:41	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.21.2021 02:41	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.21.2021 02:41	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.21.2021 02:41	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.21.2021 02:41	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.21.2021 02:41	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.21.2021 02:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.21.2021 02:41	
4-Bromofluorobenzene	460-00-4	93	%	70-130	01.21.2021 02:41	

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Landes Pond Release

Sample Id:	**FL 68 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-010	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: MAB
Analyst: MAB
Seq Number: 3148604

Date Prep: 01.21.2021 15:00

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**74.9**	10.1	mg/kg	01.21.2021 14:30		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: CAC
Analyst: CAC
Seq Number: 3148432

Date Prep: 01.20.2021 17:00

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.20.2021 21:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.20.2021 21:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.20.2021 21:22	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	01.20.2021 21:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	01.20.2021 21:22	
o-Terphenyl	84-15-1	95	%	70-135	01.20.2021 21:22	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 68 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-010	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148433			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.21.2021 03:03	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.21.2021 03:03	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.21.2021 03:03	U	1
m,p-Xylenes	179601-23-1	<0.00395	0.00395	mg/kg	01.21.2021 03:03	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.21.2021 03:03	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.21.2021 03:03	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.21.2021 03:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	99	%	70-130	01.21.2021 03:03	
4-Bromofluorobenzene	460-00-4	91	%	70-130	01.21.2021 03:03	

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Landes Pond Release

Sample Id:	**FL 69@ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-011	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.21.2021 15:00	% Moisture:	
Seq Number:	3148604			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**46.3**	9.96	mg/kg	01.21.2021 14:47		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148432			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.20.2021 21:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.20.2021 21:42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.20.2021 21:42	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.20.2021 21:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	01.20.2021 21:42	
o-Terphenyl	84-15-1	91	%	70-135	01.20.2021 21:42	

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Landes Pond Release

Sample Id:	**FL 69@ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-011	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148433			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00196	0.00196	mg/kg	01.21.2021 03:25	U	1
Toluene	108-88-3	<0.00196	0.00196	mg/kg	01.21.2021 03:25	U	1
Ethylbenzene	100-41-4	<0.00196	0.00196	mg/kg	01.21.2021 03:25	U	1
m,p-Xylenes	179601-23-1	<0.00392	0.00392	mg/kg	01.21.2021 03:25	U	1
o-Xylene	95-47-6	<0.00196	0.00196	mg/kg	01.21.2021 03:25	U	1
Total Xylenes	1330-20-7	<0.00196	0.00196	mg/kg	01.21.2021 03:25	U	1
Total BTEX		<0.00196	0.00196	mg/kg	01.21.2021 03:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	88	%	70-130	01.21.2021 03:25	
1,4-Difluorobenzene	540-36-3	99	%	70-130	01.21.2021 03:25	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 70 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-012	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.21.2021 15:00	% Moisture:	
Seq Number:	3148604			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**103**	10.1	mg/kg	01.21.2021 14:53		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148432			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.20.2021 22:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.20.2021 22:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.20.2021 22:02	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.20.2021 22:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	01.20.2021 22:02	
o-Terphenyl	84-15-1	107	%	70-135	01.20.2021 22:02	

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Landes Pond Release

Sample Id:	**FL 70 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-012	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148433			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.21.2021 03:48	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.21.2021 03:48	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.21.2021 03:48	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.21.2021 03:48	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.21.2021 03:48	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.21.2021 03:48	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.21.2021 03:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.21.2021 03:48	
4-Bromofluorobenzene	460-00-4	90	%	70-130	01.21.2021 03:48	

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Landes Pond Release

Sample Id: **EW 5** Matrix: Soil Date Received:01.20.2021 15:41

Lab Sample Id: 685461-013 Date Collected: 01.20.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 01.21.2021 15:00 % Moisture:

Seq Number: 3148604 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**43.0**	9.96	mg/kg	01.21.2021 14:58		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: CAC

Analyst: CAC Date Prep: 01.20.2021 17:00 % Moisture:

Seq Number: 3148432 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.20.2021 22:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.20.2021 22:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.20.2021 22:23	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.20.2021 22:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-135	01.20.2021 22:23	
o-Terphenyl	84-15-1	98	%	70-135	01.20.2021 22:23	

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Landes Pond Release

Sample Id:	**EW 5**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-013	Date Collected:	01.20.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148433			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.21.2021 04:10	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.21.2021 04:10	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.21.2021 04:10	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.21.2021 04:10	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.21.2021 04:10	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.21.2021 04:10	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.21.2021 04:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.21.2021 04:10	
4-Bromofluorobenzene	460-00-4	95	%	70-130	01.21.2021 04:10	

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Certificate of Analytical Results 685461

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**WW 4**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-014	Date Collected:	01.20.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.21.2021 15:00	% Moisture:	
Seq Number:	3148604			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**18.3**	10.1	mg/kg	01.21.2021 15:04		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148432			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.20.2021 22:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.20.2021 22:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.20.2021 22:43	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.20.2021 22:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	01.20.2021 22:43	
o-Terphenyl	84-15-1	90	%	70-135	01.20.2021 22:43	

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Certificate of Analytical Results 685461

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**WW 4**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-014	Date Collected:	01.20.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:18	% Moisture:	
Seq Number:	3148434			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.20.2021 23:29	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.20.2021 23:29	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.20.2021 23:29	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.20.2021 23:29	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.20.2021 23:29	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.20.2021 23:29	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.20.2021 23:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	01.20.2021 23:29	
4-Bromofluorobenzene	460-00-4	116	%	70-130	01.20.2021 23:29	

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Landes Pond Release

Sample Id: **WW 3** Matrix: Soil Date Received:01.20.2021 15:41

Lab Sample Id: 685461-015 Date Collected: 01.20.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 01.21.2021 15:00 % Moisture:

Seq Number: 3148604 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**22.6**	9.90	mg/kg	01.21.2021 15:10		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: CAC

Analyst: CAC Date Prep: 01.20.2021 17:00 % Moisture:

Seq Number: 3148432 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.20.2021 23:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.20.2021 23:03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.20.2021 23:03	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.20.2021 23:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	01.20.2021 23:03	
o-Terphenyl	84-15-1	115	%	70-135	01.20.2021 23:03	

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Landes Pond Release

Sample Id:	**WW 3**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-015	Date Collected:	01.20.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:18	% Moisture:	
Seq Number:	3148434			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.20.2021 23:52	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.20.2021 23:52	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.20.2021 23:52	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.20.2021 23:52	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.20.2021 23:52	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.20.2021 23:52	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.20.2021 23:52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	01.20.2021 23:52	
4-Bromofluorobenzene	460-00-4	123	%	70-130	01.20.2021 23:52	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**EW 6**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-016	Date Collected:	01.20.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.21.2021 15:00	% Moisture:	
Seq Number:	3148604			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.1	10.1	mg/kg	01.21.2021 15:15	U	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148432			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.20.2021 23:24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.20.2021 23:24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.20.2021 23:24	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.20.2021 23:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	01.20.2021 23:24	
o-Terphenyl	84-15-1	94	%	70-135	01.20.2021 23:24	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**EW 6**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-016	Date Collected:	01.20.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:18	% Moisture:	
Seq Number:	3148434			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.20.2021 21:37	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.20.2021 21:37	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.20.2021 21:37	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.20.2021 21:37	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.20.2021 21:37	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.20.2021 21:37	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.20.2021 21:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	01.20.2021 21:37	
4-Bromofluorobenzene	460-00-4	119	%	70-130	01.20.2021 21:37	

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Landes Pond Release

Sample Id:	**EW 7**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-017	Date Collected:	01.20.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.21.2021 15:00	% Moisture:	
Seq Number:	3148604			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**117**	10.0	mg/kg	01.21.2021 15:32		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148432			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.20.2021 23:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.20.2021 23:44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.20.2021 23:44	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.20.2021 23:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-135	01.20.2021 23:44	
o-Terphenyl	84-15-1	98	%	70-135	01.20.2021 23:44	

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Landes Pond Release

Sample Id:	**EW 7**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-017	Date Collected:	01.20.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:18	% Moisture:	
Seq Number:	3148434			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.20.2021 21:59	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.20.2021 21:59	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.20.2021 21:59	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.20.2021 21:59	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.20.2021 21:59	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.20.2021 21:59	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.20.2021 21:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.20.2021 21:59	
4-Bromofluorobenzene	460-00-4	123	%	70-130	01.20.2021 21:59	

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Landes Pond Release

Sample Id: **EW 8** Matrix: Soil Date Received:01.20.2021 15:41

Lab Sample Id: 685461-018 Date Collected: 01.20.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 01.21.2021 15:00 % Moisture:

Seq Number: 3148604 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**15.3**	10.0	mg/kg	01.21.2021 15:38		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: CAC

Analyst: CAC Date Prep: 01.20.2021 17:00 % Moisture:

Seq Number: 3148432 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.21.2021 00:04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.21.2021 00:04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.21.2021 00:04	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	01.21.2021 00:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	01.21.2021 00:04	
o-Terphenyl	84-15-1	104	%	70-135	01.21.2021 00:04	

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Landes Pond Release

Sample Id:	**EW 8**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-018	Date Collected:	01.20.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:18	% Moisture:	
Seq Number:	3148434			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.20.2021 22:22	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.20.2021 22:22	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.20.2021 22:22	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.20.2021 22:22	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.20.2021 22:22	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.20.2021 22:22	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.20.2021 22:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	106	%	70-130	01.20.2021 22:22	
4-Bromofluorobenzene	460-00-4	120	%	70-130	01.20.2021 22:22	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id: **SW 6** Matrix: Soil Date Received:01.20.2021 15:41

Lab Sample Id: 685461-019 Date Collected: 01.20.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 01.21.2021 15:00 % Moisture:

Seq Number: 3148604 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**63.5**	10.1	mg/kg	01.21.2021 15:55		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: CAC

Analyst: CAC Date Prep: 01.20.2021 17:00 % Moisture:

Seq Number: 3148432 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.21.2021 00:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.21.2021 00:44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.21.2021 00:44	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.21.2021 00:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	112	%	70-135	01.21.2021 00:44	
o-Terphenyl	84-15-1	103	%	70-135	01.21.2021 00:44	

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Landes Pond Release

Sample Id:	**SW 6**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-019	Date Collected:	01.20.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:18	% Moisture:	
Seq Number:	3148434			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.20.2021 22:44	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.20.2021 22:44	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.20.2021 22:44	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.20.2021 22:44	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.20.2021 22:44	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.20.2021 22:44	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.20.2021 22:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.20.2021 22:44	
4-Bromofluorobenzene	460-00-4	114	%	70-130	01.20.2021 22:44	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**WW 5**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-020	Date Collected:	01.20.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.21.2021 15:00	% Moisture:	
Seq Number:	3148604			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**137**	10.0	mg/kg	01.21.2021 16:01		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148432			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.21.2021 01:04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.21.2021 01:04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.21.2021 01:04	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.21.2021 01:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	122	%	70-135	01.21.2021 01:04	
o-Terphenyl	84-15-1	113	%	70-135	01.21.2021 01:04	

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Landes Pond Release

Sample Id:	**WW 5**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-020	Date Collected:	01.20.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:18	% Moisture:	
Seq Number:	3148434			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.20.2021 23:07	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.20.2021 23:07	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.20.2021 23:07	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.20.2021 23:07	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.20.2021 23:07	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.20.2021 23:07	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.20.2021 23:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	128	%	70-130	01.20.2021 23:07	
1,4-Difluorobenzene	540-36-3	108	%	70-130	01.20.2021 23:07	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 685461

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Landes Pond Release

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148604 — Matrix: Solid — Date Prep: 01.21.2021
MB Sample Id: 7719711-1-BLK — LCS Sample Id: 7719711-1-BKS — LCSD Sample Id: 7719711-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	200	212	106	209	105	90-110	1	20	mg/kg	01.21.2021 13:45	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148604 — Matrix: Soil — Date Prep: 01.21.2021
Parent Sample Id: 685461-006 — MS Sample Id: 685461-006 S — MSD Sample Id: 685461-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	83.2	200	300	108	300	108	90-110	0	20	mg/kg	01.21.2021 14:02	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148604 — Matrix: Soil — Date Prep: 01.21.2021
Parent Sample Id: 685461-016 — MS Sample Id: 685461-016 S — MSD Sample Id: 685461-016 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<9.90	198	212	107	211	107	90-110	0	20	mg/kg	01.21.2021 15:21	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148431 — Matrix: Solid — Date Prep: 01.20.2021
MB Sample Id: 7719640-1-BLK — LCS Sample Id: 7719640-1-BKS — LCSD Sample Id: 7719640-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	926	93	962	96	70-135	4	35	mg/kg	01.20.2021 19:41	
Diesel Range Organics (DRO)	<50.0	1000	989	99	990	99	70-135	0	35	mg/kg	01.20.2021 19:41	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	89		90		133		70-135	%	01.20.2021 19:41
o-Terphenyl	104		97		118		70-135	%	01.20.2021 19:41

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148432 — Matrix: Solid — Date Prep: 01.20.2021
MB Sample Id: 7719642-1-BLK — LCS Sample Id: 7719642-1-BKS — LCSD Sample Id: 7719642-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	916	92	1020	102	70-135	11	35	mg/kg	01.20.2021 19:41	
Diesel Range Organics (DRO)	<50.0	1000	910	91	916	92	70-135	1	35	mg/kg	01.20.2021 19:41	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	98		94		89		70-135	%	01.20.2021 19:41
o-Terphenyl	92		105		98		70-135	%	01.20.2021 19:41

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Final 1.000

QC Summary 685461

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148431 — Matrix: Solid — Date Prep: 01.20.2021
MB Sample Id: 7719640-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.20.2021 19:21	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148432 — Matrix: Solid — Date Prep: 01.20.2021
MB Sample Id: 7719642-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.20.2021 19:21	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148431 — Matrix: Soil — Date Prep: 01.20.2021
Parent Sample Id: 685440-001 — MS Sample Id: 685440-001 S — MSD Sample Id: 685440-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.3	1010	916	91	973	97	70-135	6	35	mg/kg	01.20.2021 20:42	
Diesel Range Organics (DRO)	<50.3	1010	890	88	872	87	70-135	2	35	mg/kg	01.20.2021 20:42	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	95		101		70-135	%	01.20.2021 20:42
o-Terphenyl	105		112		70-135	%	01.20.2021 20:42

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148432 — Matrix: Soil — Date Prep: 01.20.2021
Parent Sample Id: 685461-009 — MS Sample Id: 685461-009 S — MSD Sample Id: 685461-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.2	1000	919	92	821	82	70-135	11	35	mg/kg	01.20.2021 20:42	
Diesel Range Organics (DRO)	<50.2	1000	823	82	926	93	70-135	12	35	mg/kg	01.20.2021 20:42	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	95		92		70-135	%	01.20.2021 20:42
o-Terphenyl	99		87		70-135	%	01.20.2021 20:42

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Final 1.000

QC Summary 685461

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Landes Pond Release

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3148434 — Matrix: Solid — Date Prep: 01.19.2021
MB Sample Id: 7719631-1-BLK — LCS Sample Id: 7719631-1-BKS — LCSD Sample Id: 7719631-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0990	99	0.0993	99	70-130	0	35	mg/kg	01.20.2021 19:32	
Toluene	<0.00200	0.100	0.0908	91	0.0914	91	70-130	1	35	mg/kg	01.20.2021 19:32	
Ethylbenzene	<0.00200	0.100	0.0939	94	0.0951	95	71-129	1	35	mg/kg	01.20.2021 19:32	
m,p-Xylenes	<0.00400	0.200	0.192	96	0.198	99	70-135	3	35	mg/kg	01.20.2021 19:32	
o-Xylene	<0.00200	0.100	0.0961	96	0.0977	98	71-133	2	35	mg/kg	01.20.2021 19:32	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	96		99		98		70-130	%	01.20.2021 19:32
4-Bromofluorobenzene	110		105		107		70-130	%	01.20.2021 19:32

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3148433 — Matrix: Solid — Date Prep: 01.20.2021
MB Sample Id: 7719632-1-BLK — LCS Sample Id: 7719632-1-BKS — LCSD Sample Id: 7719632-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0907	91	0.105	105	70-130	15	35	mg/kg	01.20.2021 18:52	
Toluene	<0.00200	0.100	0.0870	87	0.101	101	70-130	15	35	mg/kg	01.20.2021 18:52	
Ethylbenzene	<0.00200	0.100	0.0800	80	0.0920	92	71-129	14	35	mg/kg	01.20.2021 18:52	
m,p-Xylenes	<0.00400	0.200	0.163	82	0.186	93	70-135	13	35	mg/kg	01.20.2021 18:52	
o-Xylene	<0.00200	0.100	0.0806	81	0.0929	93	71-133	14	35	mg/kg	01.20.2021 18:52	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		91		94		70-130	%	01.20.2021 18:52
4-Bromofluorobenzene	85		82		86		70-130	%	01.20.2021 18:52

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3148434 — Matrix: Soil — Date Prep: 01.19.2021
Parent Sample Id: 685461-016 — MS Sample Id: 685461-016 S — MSD Sample Id: 685461-016 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.101	0.0919	91	0.0988	98	70-130	7	35	mg/kg	01.20.2021 20:17	
Toluene	<0.00201	0.101	0.0828	82	0.0898	89	70-130	8	35	mg/kg	01.20.2021 20:17	
Ethylbenzene	<0.00201	0.101	0.0806	80	0.0913	90	71-129	12	35	mg/kg	01.20.2021 20:17	
m,p-Xylenes	<0.00402	0.201	0.164	82	0.184	91	70-135	11	35	mg/kg	01.20.2021 20:17	
o-Xylene	<0.00201	0.101	0.0796	79	0.0913	90	71-133	14	35	mg/kg	01.20.2021 20:17	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104		105		70-130	%	01.20.2021 20:17
4-Bromofluorobenzene	110		114		70-130	%	01.20.2021 20:17

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 685461

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A

Seq Number: 3148433 Matrix: Soil Date Prep: 01.20.2021

Parent Sample Id: 685440-001 MS Sample Id: 685440-001 S MSD Sample Id: 685440-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.103	103	0.0986	99	70-130	4	35	mg/kg	01.20.2021 19:37	
Toluene	<0.00199	0.0996	0.101	101	0.0950	95	70-130	6	35	mg/kg	01.20.2021 19:37	
Ethylbenzene	<0.00199	0.0996	0.0935	94	0.0881	88	71-129	6	35	mg/kg	01.20.2021 19:37	
m,p-Xylenes	<0.00398	0.199	0.191	96	0.181	91	70-135	5	35	mg/kg	01.20.2021 19:37	
o-Xylene	<0.00199	0.0996	0.0939	94	0.0899	90	71-133	4	35	mg/kg	01.20.2021 19:37	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	94		97		70-130	%	01.20.2021 19:37
4-Bromofluorobenzene	84		87		70-130	%	01.20.2021 19:37

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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Chain of Custody

XENCO

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, El. Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 685461

www.xenco.com Page 1 of 2

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Solaris
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	3261	Routine:	☑
Project Location	Rural Eddy county	Rush:	☐
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			CKC

SAMPLE RECEIPT	Temp Blank: Yes No	Wet Ice: Yes No	
Temperature (°C):	1.8/1.6	Thermometer ID	
Received Intact:	Yes No	T-NM-007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Total Containers:	20

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day received by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005	Sample Comments
FL59@1'	S	1.20.21		1'	1	X	X	X		
FL60@1'	S	1.20.21		1'	1	X	X	X		
FL61@1'	S	1.20.21		1'	1	X	X	X		
FL62@1'	S	1.20.21		1'	1	X	X	X		
FL63@1'	S	1.20.21		1'	1	X	X	X		
FL64@1'	S	1.20.21		1'	1	X	X	X		
FL65@1'	S	1.20.21		1'	1	X	X	X		
FL66@1'	S	1.20.21		1'	1	X	X	X		
FL67@1'	S	1.20.21		1'	1	X	X	X		
FL68@1'	S	1.20.21		1'	1	X	X	X		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Ace Cuff	1.20.21 1541	2		
3			4		
5			6		

Revised Date 101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
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Final 1.000
Released to Imaging: 7/22/2021 3:04:17 PM

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Chain of Custody

XENCO

Work Order No: 685461

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, El. Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Solaris
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/US ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13211	Routine:	☑
Project Location	Rural Lea County	Rush:	☐
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):		Thermometer ID	See Page 1	
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

ANALYSIS REQUEST

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day received by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005	Sample Comments
FL69@1'	S	1.20.21		1'	B1	X	X	X		
FL70@1'	S	1.20.21		1'	B1	X	X	X		
EW5	S	1.20.21		-	B1	X	X	X		
WW4	S	1.20.21		-	1	X	X	X		
WW3	S	1.20.21		-	1	X	X	X		
EW6	S	1.20.21		-	1	X	X		X	
EW7	S	1.20.21		-	1	X	X	X		
EW8	S	1.20.21		-	1	X	X	X		
SW6	S	1.20.21		-	1	X	X	X		
WW5	S	1.20.21		-	1	X	X	X		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010:** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Cloe Cruz	1.20.21 1541	2		
3			4		
5			6		

Revised Date 101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
Page 55 of 56

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 01.20.2021 05.05.30 PM

Work Order #: 685461

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	1.6	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	Samples received in bulk containers.
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**No**	
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 01.20.2021

Checklist reviewed by: Jessica Kramer Date: 01.21.2021

Jessica Kramer

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Certificate of Analysis Summary 685633

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County, New Mexico

Date Received in Lab: Thu 01.21.2021 15:33
Report Date: 01.26.2021 15:06
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685633-001		685633-002		685633-003		685633-004		685633-005		685633-006	
	Field Id:	FL 71 @ 2'		FL 72 @ 2'		FL 73 @ 2'		FL 74 @ 2'		FL 75 @ 2'		FL 76 @ 2'	
	Depth:	2- ft		2- ft		2- ft		2- ft		2- ft		2- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.21.2021 00:00		01.21.2021 00:00		01.21.2021 00:00		01.21.2021 00:00		01.21.2021 00:00		01.21.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.22.2021 13:00		01.22.2021 13:00		01.22.2021 13:00		01.22.2021 13:00		01.22.2021 13:00		01.22.2021 13:00	
	Analyzed:	01.22.2021 14:33		01.22.2021 14:55		01.22.2021 15:18		01.22.2021 15:40		01.22.2021 16:03		01.22.2021 16:25	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Toluene		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
m,p-Xylenes		<0.00401	0.00401	<0.00399	0.00399	<0.00398	0.00398	<0.00401	0.00401	<0.00399	0.00399	<0.00401	0.00401
o-Xylene		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Total Xylenes		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Total BTEX		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Inorganic Anions by EPA 300	***Extracted:***	01.22.2021 16:12		01.22.2021 16:12		01.22.2021 16:12		01.22.2021 16:12		01.22.2021 16:12		01.22.2021 16:12	
	Analyzed:	01.22.2021 17:06		01.22.2021 17:23		01.22.2021 17:29		01.22.2021 17:34		01.22.2021 17:40		01.22.2021 17:57	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		47.4	9.96	19.2	9.90	74.0	10.0	45.9	9.94	376 D	50.2	377 D	49.8
TPH by SW8015 Mod SUB: T104704400-20-21	***Extracted:***	01.23.2021 10:00		01.23.2021 10:00		01.23.2021 10:00		01.23.2021 10:00		01.23.2021 10:00		01.23.2021 10:00	
	Analyzed:	01.23.2021 11:00		01.23.2021 12:00		01.23.2021 12:30		01.23.2021 12:51		01.24.2021 09:55		01.23.2021 13:31	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9
Diesel Range Organics (DRO)		<49.9	49.9	<50.0	50.0	56.2	50.0	<49.9	49.9	333	50.0	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	86.8	50.0	<49.9	49.9
Total TPH		<49.9	49.9	<50.0	50.0	56.2	50.0	<49.9	49.9	420	50.0	<49.9	49.9

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 685633

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County, New Mexico

Date Received in Lab: Thu 01.21.2021 15:33
Report Date: 01.26.2021 15:06
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685633-007		685633-008		685633-009		685633-010		685633-011		685633-012	
	Field Id:	FL 77 @ 2'		NW 2		NW 3		FL 78 @ 2'		FL 79 @ 1'		FL 80 @ 1'	
	Depth:	2- ft						2- ft		1- ft		1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.21.2021 00:00		01.21.2021 00:00		01.21.2021 00:00		01.21.2021 00:00		01.21.2021 00:00		01.21.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.22.2021 13:00		01.22.2021 13:00		01.22.2021 13:00		01.22.2021 13:00		01.22.2021 13:00		01.22.2021 13:00	
	Analyzed:	01.22.2021 16:48		01.22.2021 17:10		01.22.2021 17:33		01.22.2021 17:55		01.22.2021 19:13		01.22.2021 19:35	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198
Toluene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198
m,p-Xylenes		<0.00401	0.00401	<0.00401	0.00401	<0.00399	0.00399	<0.00401	0.00401	<0.00399	0.00399	<0.00397	0.00397
o-Xylene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198
Total Xylenes		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198
Total BTEX		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198
Inorganic Anions by EPA 300	***Extracted:***	01.22.2021 16:12		01.22.2021 16:12		01.22.2021 16:12		01.22.2021 16:12		01.22.2021 16:12		01.22.2021 16:12	
	Analyzed:	01.22.2021 18:03		01.22.2021 18:08		01.22.2021 18:14		01.22.2021 18:20		01.22.2021 18:26		01.22.2021 18:43	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		411 D	50.3	3310 D	100	2480	99.8	69.7	10.0	69.6	9.90	53.4	10.1
TPH by SW8015 Mod SUB: T104704400-20-21	***Extracted:***	01.23.2021 10:00		01.23.2021 10:00		01.23.2021 10:00		01.23.2021 10:00		01.23.2021 10:00		01.23.2021 10:00	
	Analyzed:	01.23.2021 13:51		01.23.2021 14:11		01.23.2021 14:31		01.23.2021 14:51		01.23.2021 15:31		01.23.2021 15:50	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<50.0	50.0	<49.9	49.9	<49.9	49.9	<49.8	49.8	<50.0	50.0
Diesel Range Organics (DRO)		<49.8	49.8	<50.0	50.0	<49.9	49.9	<49.9	49.9	<49.8	49.8	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<50.0	50.0	<49.9	49.9	<49.9	49.9	<49.8	49.8	<50.0	50.0
Total TPH		<49.8	49.8	<50.0	50.0	<49.9	49.9	<49.9	49.9	<49.8	49.8	<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

eurofins | Environment Testing Xenco

Certificate of Analysis Summary 685633

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County, New Mexico

Date Received in Lab: Thu 01.21.2021 15:33
Report Date: 01.26.2021 15:06
Project Manager: Jessica Kramer

Analysis Requested																	
	Lab Id:	685633-013		685633-014		685633-015		685633-016		685633-017							
	Field Id:	FL 81 @ 1'		FL 82 @ 1'		FL 83 @ 1'		FL 84 @ 1'		FL 85 @ 1'							
	Depth:	1- ft		1- ft		1- ft		1- ft		1- ft							
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL							
	Sampled:	01.21.2021 00:00		01.21.2021 00:00		01.21.2021 00:00		01.21.2021 00:00		01.21.2021 00:00							
BTEX by EPA 8021B	***Extracted:***	01.22.2021 13:00		01.22.2021 13:00		01.22.2021 13:00		01.22.2021 13:00		01.22.2021 13:00							
	Analyzed:	01.22.2021 19:58		01.22.2021 20:20		01.22.2021 20:43		01.22.2021 21:05		01.22.2021 21:27							
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL						
Benzene		<0.0000200	0.0000200	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200						
Toluene		<0.0000200	0.0000200	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200						
Ethylbenzene		<0.0000200	0.0000200	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200						
m,p-Xylenes		<0.0000399	0.0000399	<0.00401	0.00401	<0.00403	0.00403	<0.00403	0.00403	<0.00401	0.00401						
o-Xylene		<0.0000200	0.0000200	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200						
Total Xylenes		<0.0000200	0.0000200	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200						
Total BTEX		<0.0000200	0.0000200	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200						
Inorganic Anions by EPA 300	***Extracted:***	01.22.2021 16:12		01.22.2021 16:12		01.22.2021 16:12		01.22.2021 16:12		01.22.2021 16:12							
	Analyzed:	01.22.2021 18:48		01.22.2021 19:05		01.22.2021 19:11		01.22.2021 19:17		01.22.2021 19:22							
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL						
Chloride		83.1	10.0	51.5	10.0	104	9.92	97.4	10.1	138	10.0						
TPH by SW8015 Mod SUB: T104704400-20-21	***Extracted:***	01.23.2021 10:00		01.23.2021 10:00		01.23.2021 10:00		01.23.2021 10:00		01.23.2021 10:00							
	Analyzed:	01.23.2021 16:10		01.23.2021 16:30		01.23.2021 16:49		01.23.2021 17:08		01.23.2021 17:27							
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL						
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0						
Diesel Range Organics (DRO)		<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0						
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0						
Total TPH		<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0						

BRL - Below Reporting Limit

Jessica Kramer

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Analytical Report 685633

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

Landes Pond Release

13261

01.26.2021

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

eurofins | Environment Testing Xenco

01.26.2021

Project Manager: **PM**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **685633**
Landes Pond Release
Project Address: Rural Eddy County, New Mexico

PM :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 685633. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 685633 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 685633

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
FL 71 @ 2'	S	01.21.2021 00:00	2 ft	685633-001
FL 72 @ 2'	S	01.21.2021 00:00	2 ft	685633-002
FL 73 @ 2'	S	01.21.2021 00:00	2 ft	685633-003
FL 74 @ 2'	S	01.21.2021 00:00	2 ft	685633-004
FL 75 @ 2'	S	01.21.2021 00:00	2 ft	685633-005
FL 76 @ 2'	S	01.21.2021 00:00	2 ft	685633-006
FL 77 @ 2'	S	01.21.2021 00:00	2 ft	685633-007
NW 2	S	01.21.2021 00:00		685633-008
NW 3	S	01.21.2021 00:00		685633-009
FL 78 @ 2'	S	01.21.2021 00:00	2 ft	685633-010
FL 79 @ 1'	S	01.21.2021 00:00	1 ft	685633-011
FL 80 @ 1'	S	01.21.2021 00:00	1 ft	685633-012
FL 81 @ 1'	S	01.21.2021 00:00	1 ft	685633-013
FL 82 @ 1'	S	01.21.2021 00:00	1 ft	685633-014
FL 83 @ 1'	S	01.21.2021 00:00	1 ft	685633-015
FL 84 @ 1'	S	01.21.2021 00:00	1 ft	685633-016
FL 85 @ 1'	S	01.21.2021 00:00	1 ft	685633-017

CASE NARRATIVE

eurofins | Environment Testing Xenco

Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Landes Pond Release

Project ID: *13261*
Work Order Number(s): *685633*

Report Date: *01.26.2021*
Date Received: *01.21.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3148783 TPH by SW8015 Mod

Surrogate 1-Chlorooctane recovered below QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 685633-001.

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Certificate of Analytical Results 685633

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id: **FL 71 @ 2'** Matrix: Soil Date Received:01.21.2021 15:33
Lab Sample Id: 685633-001 Date Collected: 01.21.2021 00:00 Sample Depth: 2 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 01.22.2021 16:12 % Moisture:
Seq Number: 3148797 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**47.4**	9.96	mg/kg	01.22.2021 17:06		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DVM
Analyst: ARM Date Prep: 01.23.2021 10:00 % Moisture:
Seq Number: 3148783 Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.23.2021 11:00	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.23.2021 11:00	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.23.2021 11:00	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.23.2021 11:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	64	%	70-130	01.23.2021 11:00	**
o-Terphenyl	84-15-1	72	%	70-130	01.23.2021 11:00	

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Certificate of Analytical Results 685633

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 71 @ 2'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-001	Date Collected:	01.21.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 13:00	% Moisture:	
Seq Number:	3148770			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.22.2021 14:33	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.22.2021 14:33	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.22.2021 14:33	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.22.2021 14:33	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.22.2021 14:33	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.22.2021 14:33	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.22.2021 14:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	86	%	70-130	01.22.2021 14:33	
1,4-Difluorobenzene	540-36-3	97	%	70-130	01.22.2021 14:33	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 72 @ 2'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-002	Date Collected:	01.21.2021 00:00	Sample Depth:	2 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: MAB
Analyst: MAB
Seq Number: 3148797

Date Prep: 01.22.2021 16:12

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**19.2**	9.90	mg/kg	01.22.2021 17:23		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3148783

Date Prep: 01.23.2021 10:00

% Moisture:
Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.23.2021 12:00	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.23.2021 12:00	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.23.2021 12:00	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.23.2021 12:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-130	01.23.2021 12:00	
o-Terphenyl	84-15-1	78	%	70-130	01.23.2021 12:00	

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Landes Pond Release

Sample Id:	**FL 72 @ 2'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-002	Date Collected:	01.21.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 13:00	% Moisture:	
Seq Number:	3148770			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.22.2021 14:55	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.22.2021 14:55	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.22.2021 14:55	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.22.2021 14:55	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.22.2021 14:55	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.22.2021 14:55	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.22.2021 14:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	01.22.2021 14:55	
4-Bromofluorobenzene	460-00-4	89	%	70-130	01.22.2021 14:55	

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Landes Pond Release

Sample Id:	**FL 73 @ 2'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-003	Date Collected:	01.21.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 16:12	% Moisture:	
Seq Number:	3148797			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**74.0**	10.0	mg/kg	01.22.2021 17:29		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.23.2021 10:00	% Moisture:	
Seq Number:	3148783			Basis:	Wet Weight
				SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.23.2021 12:30	U	1
Diesel Range Organics (DRO)	C10C28DRO	**56.2**	50.0	mg/kg	01.23.2021 12:30		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.23.2021 12:30	U	1
Total TPH	PHC635	**56.2**	50.0	mg/kg	01.23.2021 12:30		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	77	%	70-130	01.23.2021 12:30	
o-Terphenyl	84-15-1	78	%	70-130	01.23.2021 12:30	

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Landes Pond Release

Sample Id:	**FL 73 @ 2'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-003	Date Collected:	01.21.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 13:00	% Moisture:	
Seq Number:	3148770			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.22.2021 15:18	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.22.2021 15:18	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.22.2021 15:18	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.22.2021 15:18	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.22.2021 15:18	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.22.2021 15:18	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.22.2021 15:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.22.2021 15:18	
4-Bromofluorobenzene	460-00-4	91	%	70-130	01.22.2021 15:18	

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Landes Pond Release

Sample Id:	**FL 74 @ 2'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-004	Date Collected:	01.21.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 16:12	% Moisture:	
Seq Number:	3148797			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**45.9**	9.94	mg/kg	01.22.2021 17:34		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.23.2021 10:00	% Moisture:	
Seq Number:	3148783			Basis:	Wet Weight
				SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.23.2021 12:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.23.2021 12:51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.23.2021 12:51	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.23.2021 12:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	70	%	70-130	01.23.2021 12:51	
o-Terphenyl	84-15-1	74	%	70-130	01.23.2021 12:51	

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Landes Pond Release

Sample Id:	**FL 74 @ 2'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-004	Date Collected:	01.21.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 13:00	% Moisture:	
Seq Number:	3148770			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.22.2021 15:40	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.22.2021 15:40	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.22.2021 15:40	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.22.2021 15:40	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.22.2021 15:40	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.22.2021 15:40	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.22.2021 15:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	70-130	01.22.2021 15:40	
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.22.2021 15:40	

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Landes Pond Release

Sample Id:	**FL 75 @ 2'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-005	Date Collected:	01.21.2021 00:00	Sample Depth:	2 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 01.22.2021 16:12 % Moisture:

Seq Number: 3148797 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**376**	50.2	mg/kg	01.25.2021 17:25	D	5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 01.23.2021 10:00 % Moisture:

Seq Number: 3148783 Basis: Wet Weight

SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.24.2021 09:55	U	1
Diesel Range Organics (DRO)	C10C28DRO	**333**	50.0	mg/kg	01.24.2021 09:55		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**86.8**	50.0	mg/kg	01.24.2021 09:55		1
Total TPH	PHC635	**420**	50.0	mg/kg	01.24.2021 09:55		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	79	%	70-130	01.24.2021 09:55	
o-Terphenyl	84-15-1	85	%	70-130	01.24.2021 09:55	

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Landes Pond Release

Sample Id:	**FL 75 @ 2'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-005	Date Collected:	01.21.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 13:00	% Moisture:	
Seq Number:	3148770			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.22.2021 16:03	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.22.2021 16:03	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.22.2021 16:03	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.22.2021 16:03	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.22.2021 16:03	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.22.2021 16:03	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.22.2021 16:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	70-130	01.22.2021 16:03	
1,4-Difluorobenzene	540-36-3	99	%	70-130	01.22.2021 16:03	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 76 @ 2'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-006	Date Collected:	01.21.2021 00:00	Sample Depth:	2 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 01.22.2021 16:12 % Moisture:

Seq Number: 3148797 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**377**	49.8	mg/kg	01.25.2021 17:31	D	5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 01.23.2021 10:00 % Moisture:

Seq Number: 3148783 Basis: Wet Weight

SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.23.2021 13:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.23.2021 13:31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.23.2021 13:31	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.23.2021 13:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	76	%	70-130	01.23.2021 13:31	
o-Terphenyl	84-15-1	81	%	70-130	01.23.2021 13:31	

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Landes Pond Release

Sample Id:	**FL 76 @ 2'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-006	Date Collected:	01.21.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 13:00	% Moisture:	
Seq Number:	3148770			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.22.2021 16:25	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.22.2021 16:25	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.22.2021 16:25	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.22.2021 16:25	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.22.2021 16:25	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.22.2021 16:25	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.22.2021 16:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	01.22.2021 16:25	
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.22.2021 16:25	

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Landes Pond Release

Sample Id:	**FL 77 @ 2'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-007	Date Collected:	01.21.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 16:12	% Moisture:	
Seq Number:	3148797			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**411**	50.3	mg/kg	01.25.2021 17:36	D	5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.23.2021 10:00	% Moisture:	
Seq Number:	3148783			Basis:	Wet Weight
				SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.23.2021 13:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.23.2021 13:51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.23.2021 13:51	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.23.2021 13:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	81	%	70-130	01.23.2021 13:51	
o-Terphenyl	84-15-1	89	%	70-130	01.23.2021 13:51	

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Landes Pond Release

Sample Id:	**FL 77 @ 2'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-007	Date Collected:	01.21.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 13:00	% Moisture:	
Seq Number:	3148770			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.22.2021 16:48	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.22.2021 16:48	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.22.2021 16:48	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.22.2021 16:48	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.22.2021 16:48	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.22.2021 16:48	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.22.2021 16:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	95	%	70-130	01.22.2021 16:48	
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.22.2021 16:48	

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Landes Pond Release

Sample Id: **NW 2** Matrix: Soil Date Received:01.21.2021 15:33
Lab Sample Id: 685633-008 Date Collected: 01.21.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 01.22.2021 16:12 % Moisture:
Seq Number: 3148797 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3310**	100	mg/kg	01.25.2021 17:42	D	10

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DVM
Analyst: ARM Date Prep: 01.23.2021 10:00 % Moisture:
Seq Number: 3148783 Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.23.2021 14:11	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.23.2021 14:11	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.23.2021 14:11	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.23.2021 14:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	73	%	70-130	01.23.2021 14:11	
o-Terphenyl	84-15-1	81	%	70-130	01.23.2021 14:11	

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Certificate of Analytical Results 685633

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NW 2**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-008	Date Collected:	01.21.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 13:00	% Moisture:	
Seq Number:	3148770			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.22.2021 17:10	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.22.2021 17:10	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.22.2021 17:10	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.22.2021 17:10	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.22.2021 17:10	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.22.2021 17:10	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.22.2021 17:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	91	%	70-130	01.22.2021 17:10	
1,4-Difluorobenzene	540-36-3	99	%	70-130	01.22.2021 17:10	

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Landes Pond Release

Sample Id: **NW 3** Matrix: Soil Date Received:01.21.2021 15:33
Lab Sample Id: 685633-009 Date Collected: 01.21.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 01.22.2021 16:12 % Moisture:
Seq Number: 3148797 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2480**	99.8	mg/kg	01.22.2021 18:14		10

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DVM
Analyst: ARM Date Prep: 01.23.2021 10:00 % Moisture:
Seq Number: 3148783 Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.23.2021 14:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.23.2021 14:31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.23.2021 14:31	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.23.2021 14:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	73	%	70-130	01.23.2021 14:31	
o-Terphenyl	84-15-1	82	%	70-130	01.23.2021 14:31	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NW 3**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-009	Date Collected:	01.21.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 13:00	% Moisture:	
Seq Number:	3148770			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.22.2021 17:33	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.22.2021 17:33	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.22.2021 17:33	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.22.2021 17:33	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.22.2021 17:33	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.22.2021 17:33	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.22.2021 17:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	01.22.2021 17:33	
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.22.2021 17:33	

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Certificate of Analytical Results 685633

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 78 @ 2'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-010	Date Collected:	01.21.2021 00:00	Sample Depth:	2 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 01.22.2021 16:12 % Moisture:

Seq Number: 3148797 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**69.7**	10.0	mg/kg	01.22.2021 18:20		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 01.23.2021 10:00 % Moisture:

Seq Number: 3148783 Basis: Wet Weight

SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.23.2021 14:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.23.2021 14:51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.23.2021 14:51	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.23.2021 14:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	76	%	70-130	01.23.2021 14:51	
o-Terphenyl	84-15-1	80	%	70-130	01.23.2021 14:51	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 78 @ 2'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-010	Date Collected:	01.21.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 13:00	% Moisture:	
Seq Number:	3148770			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.22.2021 17:55	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.22.2021 17:55	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.22.2021 17:55	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.22.2021 17:55	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.22.2021 17:55	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.22.2021 17:55	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.22.2021 17:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.22.2021 17:55	
4-Bromofluorobenzene	460-00-4	92	%	70-130	01.22.2021 17:55	

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Landes Pond Release

Sample Id:	**FL 79 @ 1'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-011	Date Collected:	01.21.2021 00:00	Sample Depth:	1 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: MAB
Analyst: MAB
Seq Number: 3148797

Date Prep: 01.22.2021 16:12

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**69.6**	9.90	mg/kg	01.22.2021 18:26		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3148783

Date Prep: 01.23.2021 10:00

% Moisture:
Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.23.2021 15:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.23.2021 15:31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.23.2021 15:31	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.23.2021 15:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	71	%	70-130	01.23.2021 15:31	
o-Terphenyl	84-15-1	77	%	70-130	01.23.2021 15:31	

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Landes Pond Release

Sample Id:	**FL 79 @ 1'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-011	Date Collected:	01.21.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 13:00	% Moisture:	
Seq Number:	3148770			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.22.2021 19:13	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.22.2021 19:13	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.22.2021 19:13	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.22.2021 19:13	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.22.2021 19:13	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.22.2021 19:13	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.22.2021 19:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	70-130	01.22.2021 19:13	
1,4-Difluorobenzene	540-36-3	99	%	70-130	01.22.2021 19:13	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id: **FL 80 @ 1'** Matrix: Soil Date Received:01.21.2021 15:33
Lab Sample Id: 685633-012 Date Collected: 01.21.2021 00:00 Sample Depth: 1 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 01.22.2021 16:12 % Moisture:
Seq Number: 3148797 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**53.4**	10.1	mg/kg	01.22.2021 18:43		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DVM
Analyst: ARM Date Prep: 01.23.2021 10:00 % Moisture:
Seq Number: 3148783 Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.23.2021 15:50	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.23.2021 15:50	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.23.2021 15:50	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.23.2021 15:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	78	%	70-130	01.23.2021 15:50	
o-Terphenyl	84-15-1	83	%	70-130	01.23.2021 15:50	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 80 @ 1'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-012	Date Collected:	01.21.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 13:00	% Moisture:	
Seq Number:	3148770			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.22.2021 19:35	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.22.2021 19:35	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.22.2021 19:35	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.22.2021 19:35	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.22.2021 19:35	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.22.2021 19:35	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.22.2021 19:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.22.2021 19:35	
4-Bromofluorobenzene	460-00-4	91	%	70-130	01.22.2021 19:35	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id: **FL 81 @ 1'** Matrix: Soil Date Received:01.21.2021 15:33
Lab Sample Id: 685633-013 Date Collected: 01.21.2021 00:00 Sample Depth: 1 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 01.22.2021 16:12 % Moisture:
Seq Number: 3148797 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**83.1**	10.0	mg/kg	01.22.2021 18:48		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DVM
Analyst: ARM Date Prep: 01.23.2021 10:00 % Moisture:
Seq Number: 3148783 Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.23.2021 16:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.23.2021 16:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.23.2021 16:10	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.23.2021 16:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	74	%	70-130	01.23.2021 16:10	
o-Terphenyl	84-15-1	78	%	70-130	01.23.2021 16:10	

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Landes Pond Release

Sample Id:	**FL 81 @ 1'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-013	Date Collected:	01.21.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 13:00	% Moisture:	
Seq Number:	3148770			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0000200	0.0000200	mg/kg	01.22.2021 19:58	U	1
Toluene	108-88-3	<0.0000200	0.0000200	mg/kg	01.22.2021 19:58	U	1
Ethylbenzene	100-41-4	<0.0000200	0.0000200	mg/kg	01.22.2021 19:58	U	1
m,p-Xylenes	179601-23-1	<0.0000399	0.0000399	mg/kg	01.22.2021 19:58	U	1
o-Xylene	95-47-6	<0.0000200	0.0000200	mg/kg	01.22.2021 19:58	U	1
Total Xylenes	1330-20-7	<0.0000200	0.0000200	mg/kg	01.22.2021 19:58	U	1
Total BTEX		<0.0000200	0.0000200	mg/kg	01.22.2021 19:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	01.22.2021 19:58	
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.22.2021 19:58	

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Landes Pond Release

Sample Id:	**FL 82 @ 1'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-014	Date Collected:	01.21.2021 00:00	Sample Depth:	1 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: MAB
Analyst: MAB
Seq Number: 3148797

Date Prep: 01.22.2021 16:12

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**51.5**	10.0	mg/kg	01.22.2021 19:05		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3148783

Date Prep: 01.23.2021 10:00

% Moisture:
Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.23.2021 16:30	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.23.2021 16:30	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.23.2021 16:30	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.23.2021 16:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	77	%	70-130	01.23.2021 16:30	
o-Terphenyl	84-15-1	80	%	70-130	01.23.2021 16:30	

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Landes Pond Release

Sample Id:	**FL 82 @ 1'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-014	Date Collected:	01.21.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 13:00	% Moisture:	
Seq Number:	3148770			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.22.2021 20:20	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.22.2021 20:20	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.22.2021 20:20	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.22.2021 20:20	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.22.2021 20:20	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.22.2021 20:20	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.22.2021 20:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.22.2021 20:20	
4-Bromofluorobenzene	460-00-4	92	%	70-130	01.22.2021 20:20	

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Landes Pond Release

Sample Id:	**FL 83 @ 1'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-015	Date Collected:	01.21.2021 00:00	Sample Depth:	1 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: MAB
Analyst: MAB
Seq Number: 3148797

Date Prep: 01.22.2021 16:12

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**104**	9.92	mg/kg	01.22.2021 19:11		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3148783

Date Prep: 01.23.2021 10:00

% Moisture:
Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.23.2021 16:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.23.2021 16:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.23.2021 16:49	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.23.2021 16:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	79	%	70-130	01.23.2021 16:49	
o-Terphenyl	84-15-1	86	%	70-130	01.23.2021 16:49	

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Certificate of Analytical Results 685633

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 83 @ 1'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-015	Date Collected:	01.21.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 13:00	% Moisture:	
Seq Number:	3148770			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.22.2021 20:43	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.22.2021 20:43	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.22.2021 20:43	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.22.2021 20:43	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.22.2021 20:43	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.22.2021 20:43	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.22.2021 20:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.22.2021 20:43	
4-Bromofluorobenzene	460-00-4	91	%	70-130	01.22.2021 20:43	

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Certificate of Analytical Results 685633

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id: **FL 84 @ 1'** Matrix: Soil Date Received:01.21.2021 15:33
Lab Sample Id: 685633-016 Date Collected: 01.21.2021 00:00 Sample Depth: 1 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 01.22.2021 16:12 % Moisture:
Seq Number: 3148797 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**97.4**	10.1	mg/kg	01.22.2021 19:17		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DVM
Analyst: ARM Date Prep: 01.23.2021 10:00 % Moisture:
Seq Number: 3148783 Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.23.2021 17:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.23.2021 17:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.23.2021 17:08	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.23.2021 17:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	78	%	70-130	01.23.2021 17:08	
o-Terphenyl	84-15-1	84	%	70-130	01.23.2021 17:08	

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Certificate of Analytical Results 685633

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 84 @ 1'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-016	Date Collected:	01.21.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 13:00	% Moisture:	
Seq Number:	3148770			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.22.2021 21:05	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.22.2021 21:05	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.22.2021 21:05	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.22.2021 21:05	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.22.2021 21:05	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.22.2021 21:05	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.22.2021 21:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.22.2021 21:05	
4-Bromofluorobenzene	460-00-4	94	%	70-130	01.22.2021 21:05	

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Certificate of Analytical Results 685633

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 85 @ 1'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-017	Date Collected:	01.21.2021 00:00	Sample Depth:	1 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: MAB
Analyst: MAB
Seq Number: 3148797

Date Prep: 01.22.2021 16:12

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**138**	10.0	mg/kg	01.22.2021 19:22		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3148783

Date Prep: 01.23.2021 10:00

% Moisture:
Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.23.2021 17:27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.23.2021 17:27	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.23.2021 17:27	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.23.2021 17:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-130	01.23.2021 17:27	
o-Terphenyl	84-15-1	94	%	70-130	01.23.2021 17:27	

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Certificate of Analytical Results 685633

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 85 @ 1'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-017	Date Collected:	01.21.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 13:00	% Moisture:	
Seq Number:	3148770			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.22.2021 21:27	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.22.2021 21:27	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.22.2021 21:27	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.22.2021 21:27	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.22.2021 21:27	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.22.2021 21:27	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.22.2021 21:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	01.22.2021 21:27	
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.22.2021 21:27	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 685633

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148797 — Matrix: Solid — Date Prep: 01.22.2021
MB Sample Id: 7719906-1-BLK — LCS Sample Id: 7719906-1-BKS — LCSD Sample Id: 7719906-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	200	215	108	213	107	90-110	1	20	mg/kg	01.22.2021 16:55	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148797 — Matrix: Soil — Date Prep: 01.22.2021
Parent Sample Id: 685633-001 — MS Sample Id: 685633-001 S — MSD Sample Id: 685633-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	47.4	201	263	107	259	106	90-110	2	20	mg/kg	01.22.2021 17:12	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148797 — Matrix: Soil — Date Prep: 01.22.2021
Parent Sample Id: 685633-011 — MS Sample Id: 685633-011 S — MSD Sample Id: 685633-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	69.6	201	284	107	282	107	90-110	1	20	mg/kg	01.22.2021 18:31	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148783 — Matrix: Solid — Date Prep: 01.23.2021
MB Sample Id: 7719886-1-BLK — LCS Sample Id: 7719886-1-BKS — LCSD Sample Id: 7719886-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	500	581	116	588	118	70-130	1	20	mg/kg	01.23.2021 10:20	
Diesel Range Organics (DRO)	<50.0	500	548	110	540	108	70-130	1	20	mg/kg	01.23.2021 10:20	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	78		89		91		70-130	%	01.23.2021 10:20
o-Terphenyl	90		86		85		70-130	%	01.23.2021 10:20

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148783 — Matrix: Solid — Date Prep: 01.23.2021
MB Sample Id: 7719886-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.23.2021 10:01	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 685633

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3148783 Matrix: Soil Date Prep: 01.23.2021
Parent Sample Id: 685633-001 MS Sample Id: 685633-001 S MSD Sample Id: 685633-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	500	568	114	552	111	70-130	3	20	mg/kg	01.23.2021 11:20	
Diesel Range Organics (DRO)	<50.0	500	560	112	538	108	70-130	4	20	mg/kg	01.23.2021 11:20	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	78		79		70-130	%	01.23.2021 11:20
o-Terphenyl	73		72		70-130	%	01.23.2021 11:20

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3148770 Matrix: Solid Date Prep: 01.22.2021
MB Sample Id: 7719890-1-BLK LCS Sample Id: 7719890-1-BKS LCSD Sample Id: 7719890-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0941	94	0.0932	93	70-130	1	35	mg/kg	01.22.2021 12:30	
Toluene	<0.00200	0.100	0.0896	90	0.0894	89	70-130	0	35	mg/kg	01.22.2021 12:30	
Ethylbenzene	<0.00200	0.100	0.0830	83	0.0820	82	71-129	1	35	mg/kg	01.22.2021 12:30	
m,p-Xylenes	<0.00400	0.200	0.167	84	0.164	82	70-135	2	35	mg/kg	01.22.2021 12:30	
o-Xylene	<0.00200	0.100	0.0833	83	0.0826	83	71-133	1	35	mg/kg	01.22.2021 12:30	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	97		95		96		70-130	%	01.22.2021 12:30
4-Bromofluorobenzene	89		86		84		70-130	%	01.22.2021 12:30

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3148770 Matrix: Soil Date Prep: 01.22.2021
Parent Sample Id: 685633-001 MS Sample Id: 685633-001 S MSD Sample Id: 685633-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.101	101	0.106	106	70-130	5	35	mg/kg	01.22.2021 13:15	
Toluene	<0.00200	0.100	0.0907	91	0.0996	100	70-130	9	35	mg/kg	01.22.2021 13:15	
Ethylbenzene	<0.00200	0.100	0.0752	75	0.0878	88	71-129	15	35	mg/kg	01.22.2021 13:15	
m,p-Xylenes	<0.00401	0.200	0.150	75	0.176	88	70-135	16	35	mg/kg	01.22.2021 13:15	
o-Xylene	<0.00200	0.100	0.0743	74	0.0853	85	71-133	14	35	mg/kg	01.22.2021 13:15	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	96		95		70-130	%	01.22.2021 13:15
4-Bromofluorobenzene	90		88		70-130	%	01.22.2021 13:15

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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Chain of Custody

Work Order No: 685633

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Craslbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701
www.xenco.com

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	ETech Environmental & Safety	Company Name:	Solaris
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	PM@etechenv.com + client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine	☑
Project Location	Rural Eddy county	Rush:	
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	Yes (No)
Temperature (°C):	6.0/5.8	Thermometer ID	
Received Intact:	(Yes) No	T-NM-007	
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes (No) N/A	Total Containers:	17

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Chlorides	BTEX	TPH	Sample Comments
	FL 71@2'	S	1.21.21		2'	1	X	X	X	
	FL 72@2'	S	1.21.21		2'	1	X	X	X	
	FL 73@2'	S	1.21.21		2'	1	X	X	X	
	FL 74@2'	S	1.21.21		2'	1	X	X	X	
	FL 75@2'	S	1.21.21		2'	1	X	X	X	
	FL 76@2'	S	1.21.21		2'	1	X	X	X	
	FL 77@2'	S	1.21.21		2'	1	X	X	X	
	NW2	S	1.21.21		-	1	X	X	X	
	NW3	S	1.21.21		-	1	X	X	X	
	FL 78@2'	S	1.21.21		2'	1	X	X	X	

ANALYSIS REQUEST

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U
1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
	Cloe Cerda	1.21.21 1533	2		
			4		
			6		

Revised Date 022619 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Final 1.000
Page 45 of 49
Released to Imaging: 7/22/2021 3:04:17 PM

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Chain of Custody

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Craslbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689 6701 www.xenco.com

Work Order No: 6851633

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	ETech Environmental & Safety	Company Name:	Solaris
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM 88260	City, State ZIP:	PM@etechenv.com
Phone:	575.396.2378	Email:	PM@etechenv.com + client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine ☑	
Project Location	Rural Eddy county, NM	Rush:	
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT	Temp Blank: Yes No	Wet Ice: Yes No	
Temperature (°C):		Thermometer ID	See Page 1
Received Intact:	Yes No		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Total Containers:	

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn
TAT starts the day recevied by the lab, if received by 4:00pm

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Chlorides	BTEX	TPH	Sample Comments
	FL 79 @ 2'	S	1.21.21		2'	1	X	X	X	
	FL 80 @ 1'	S	1.21.21		1'	1	X	X	X	
	FL 81 @ 1'	S	1.21.21		1'	1	X	X	X	
	FL 82 @ 1'	S	1.21.21		1'	1	X	X	X	
	FL 83 @ 1'	S	1.21.21		1'	1	X	X	X	
	FL 84 @ 1'	S	1.21.21		1'	1	X	X	X	
	FL 85 @ 1'	S	1.21.21		1'	1	X	X	X	

ANALYSIS REQUEST (Pres. Code)

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
	Cloe Cuffs	1.21.21 1533	2		
			4		
			6		

Revised Date 022619 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Final 1.000
Page 46 of 49
Released to Imaging: 7/22/2021 3:04:17 PM

Inter-Office Shipment

IOS Number : 76900

Date/Time: 01.22.2021
Lab# From: **Carlsbad**
Lab# To: **Midland**
Created by: Cloe Clifton
Delivery Priority:
Air Bill No.:
Please send report to: Jessica Kramer
Address: 1089 N Canal Street
E-Mail: jessica.kramer@eurofinset.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
685633-001	S	FL 71 @ 2'	01.21.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	01.27.2021	02.04.2021	JKR	PHCC10C28 PHCC28C3	
685633-002	S	FL 72 @ 2'	01.21.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	01.27.2021	02.04.2021	JKR	PHCC10C28 PHCC28C3	
685633-003	S	FL 73 @ 2'	01.21.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	01.27.2021	02.04.2021	JKR	PHCC10C28 PHCC28C3	
685633-004	S	FL 74 @ 2'	01.21.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	01.27.2021	02.04.2021	JKR	PHCC10C28 PHCC28C3	
685633-005	S	FL 75 @ 2'	01.21.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	01.27.2021	02.04.2021	JKR	PHCC10C28 PHCC28C3	
685633-006	S	FL 76 @ 2'	01.21.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	01.27.2021	02.04.2021	JKR	PHCC10C28 PHCC28C3	
685633-007	S	FL 77 @ 2'	01.21.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	01.27.2021	02.04.2021	JKR	PHCC10C28 PHCC28C3	
685633-008	S	NW 2	01.21.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	01.27.2021	02.04.2021	JKR	PHCC10C28 PHCC28C3	
685633-009	S	NW 3	01.21.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	01.27.2021	02.04.2021	JKR	PHCC10C28 PHCC28C3	
685633-010	S	FL 78 @ 2'	01.21.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	01.27.2021	02.04.2021	JKR	PHCC10C28 PHCC28C3	
685633-011	S	FL 79 @ 1'	01.21.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	01.27.2021	02.04.2021	JKR	PHCC10C28 PHCC28C3	
685633-012	S	FL 80 @ 1'	01.21.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	01.27.2021	02.04.2021	JKR	PHCC10C28 PHCC28C3	
685633-013	S	FL 81 @ 1'	01.21.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	01.27.2021	02.04.2021	JKR	PHCC10C28 PHCC28C3	
685633-014	S	FL 82 @ 1'	01.21.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	01.27.2021	02.04.2021	JKR	PHCC10C28 PHCC28C3	
685633-015	S	FL 83 @ 1'	01.21.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	01.27.2021	02.04.2021	JKR	PHCC10C28 PHCC28C3	
685633-016	S	FL 84 @ 1'	01.21.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	01.27.2021	02.04.2021	JKR	PHCC10C28 PHCC28C3	
685633-017	S	FL 85 @ 1'	01.21.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	01.27.2021	02.04.2021	JKR	PHCC10C28 PHCC28C3	

Inter Office Shipment or Sample Comments:

Relinquished By: Cloe Clifton
Date Relinquished: 01.22.2021

Received By: Jessica Kramer
Date Received: 01.22.2021
Cooler Temperature: 1.5

Environment Testing Xenco

Eurofins Xenco, LLC

Inter Office Report- Sample Receipt Checklist

Sent To: Midland

IOS #: 76900

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used :

Sent By: Cloe Clifton **Date Sent:** 01.22.2021 10.26 AM

Received By: Jessica Kramer **Date Received:** 01.22.2021 02.07 PM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	1.5	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 *Custody Seals Signed and dated for Containers/coolers	**Yes**	
#6 *IOS present?	**Yes**	
#7 Any missing/extra samples?	**No**	
#8 IOS agrees with sample label(s)/matrix?	**Yes**	
#9 Sample matrix/ properties agree with IOS?	**Yes**	
#10 Samples in proper container/ bottle?	**Yes**	
#11 Samples properly preserved?	**Yes**	
#12 Sample container(s) intact?	**Yes**	
#13 Sufficient sample amount for indicated test(s)?	**Yes**	
#14 All samples received within hold time?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date:** _____

Checklist reviewed by: Jessica Kramer Date: 01.22.2021

Jessica Kramer

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 01.21.2021 03.33.00 PM

Work Order #: 685633

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	5.8	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	Samples received in bulk containers.
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**Yes**	TPH sent to Midland.
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 01.22.2021

Checklist reviewed by: Jessica Kramer Date: 01.22.2021

Jessica Kramer

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Certificate of Analysis Summary 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13291
Contact: PM
Project Location: Rural Eddy Co., NM

Date Received in Lab: Tue 01.26.2021 13:44
Report Date: 02.02.2021 10:38
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685949-001		685949-002		685949-003		685949-004		685949-005		685949-006	
	Field Id:	FL 86 @ 1'		FL 87 @ 1'		FL 88 @ 1'		FL 89 @ 1'		FL 90 @ 1'		FL 91 @ 1'	
	Depth:	1- ft		1- ft		1- ft		1- ft		1- ft		1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.22.2021 00:00		01.22.2021 00:00		01.22.2021 00:00		01.22.2021 00:00		01.22.2021 00:00		01.22.2021 00:00	
BTEX by EPA 8021B	Extracted:	01.28.2021 17:00		01.27.2021 15:00		01.27.2021 15:00		01.27.2021 15:00		01.27.2021 15:00		01.27.2021 15:00	
	Analyzed:	01.29.2021 03:35		01.27.2021 18:36		01.27.2021 18:57		01.28.2021 00:07		01.28.2021 00:27		01.28.2021 00:48	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		0.00787	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198
Toluene		0.00640	0.00199	<0.00199	0.00199	0.00279	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198
Ethylbenzene		<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198
m,p-Xylenes		<0.00398	0.00398	<0.00398	0.00398	<0.00400	0.00400	<0.00399	0.00399	<0.00402	0.00402	<0.00397	0.00397
o-Xylene		<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198
Total Xylenes		<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198
Total BTEX		0.0143	0.00199	<0.00199	0.00199	0.00279	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198
Inorganic Anions by EPA 300	Extracted:	01.27.2021 12:30		01.27.2021 12:30		01.27.2021 12:30		01.27.2021 14:15		01.27.2021 14:15		01.27.2021 14:15	
	Analyzed:	01.27.2021 17:27		01.27.2021 17:32		01.27.2021 17:38		01.27.2021 16:25		01.27.2021 16:41		01.27.2021 16:46	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		50.4	5.00	341	4.99	26.2	5.02	18.8 X	5.05	80.2	4.98	84.8	4.99
TPH by SW8015 Mod	Extracted:	01.28.2021 12:00		01.28.2021 12:00		01.28.2021 12:00		01.28.2021 12:00		01.28.2021 12:00		01.28.2021 12:00	
	Analyzed:	01.29.2021 13:33		01.29.2021 14:44		01.29.2021 15:05		01.29.2021 15:27		01.29.2021 15:49		01.29.2021 16:10	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<49.9	49.9
Diesel Range Organics (DRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<49.9	49.9
Total TPH		<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<49.9	49.9

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13291
Contact: PM
Project Location: Rural Eddy Co., NM

Date Received in Lab: Tue 01.26.2021 13:44
Report Date: 02.02.2021 10:38
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685949-007		685949-008		685949-009		685949-010		685949-011		685949-012	
	Field Id:	FL 92 @ 1'		FL 93 @ 1'		FL 94 @ 1'		FL 95 @ 1'		FL 96 @ 1'		FL 97 @ 1'	
	Depth:	1- ft		1- ft		1- ft		1- ft		1- ft		1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.22.2021 00:00		01.22.2021 00:00		01.22.2021 00:00		01.22.2021 00:00		01.22.2021 00:00		01.22.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.27.2021 15:00		01.27.2021 15:00		01.27.2021 15:00		01.27.2021 15:00		01.27.2021 17:00		01.27.2021 17:00	
	Analyzed:	01.28.2021 01:09		01.28.2021 01:29		01.28.2021 01:50		01.28.2021 02:11		01.28.2021 05:35		01.28.2021 05:56	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198	<0.00202	0.00202
Toluene		<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	0.0408 XF	0.00198	0.0211	0.00202
Ethylbenzene		<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	0.0170 XF	0.00198	0.00956	0.00202
m,p-Xylenes		<0.00399	0.00399	<0.00398	0.00398	<0.00404	0.00404	<0.00399	0.00399	0.0523 XF	0.00396	0.0274	0.00403
o-Xylene		<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	0.0229 XF	0.00198	0.0127	0.00202
Total Xylenes		<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	0.0752	0.00198	0.0401	0.00202
Total BTEX		<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	0.133	0.00198	0.0708	0.00202
Inorganic Anions by EPA 300	***Extracted:***	01.27.2021 14:15		01.27.2021 14:15		01.27.2021 14:15		01.27.2021 14:15		01.27.2021 14:15		01.27.2021 14:15	
	Analyzed:	01.27.2021 16:52		01.27.2021 16:57		01.27.2021 17:13		01.27.2021 17:18		01.27.2021 17:24		01.27.2021 17:29	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		90.5	5.03	76.0	4.96	97.5	5.00	26.8	5.00	168	5.00	33.8	4.95
TPH by SW8015 Mod	***Extracted:***	01.28.2021 12:00		01.28.2021 12:00		01.28.2021 12:00		01.28.2021 12:00		01.28.2021 12:00		01.28.2021 12:00	
	Analyzed:	01.29.2021 16:32		01.29.2021 18:20		01.29.2021 18:41		01.29.2021 19:03		01.29.2021 19:46		01.29.2021 20:07	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9
Diesel Range Organics (DRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9
Total TPH		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13291
Contact: PM
Project Location: Rural Eddy Co., NM

Date Received in Lab: Tue 01.26.2021 13:44
Report Date: 02.02.2021 10:38
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685949-013		685949-014		685949-015		685949-016		685949-017		685949-018	
	Field Id:	FL 98 @ 1'		FL 99 @ 1'		FL 104 @ 1'		FL 105 @ 1'		FL 106 @ 1'		FL 107 @ 1'	
	Depth:	1- ft		1- ft		1- ft		1- ft		1- ft		1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.22.2021 00:00		01.22.2021 00:00		01.22.2021 00:00		01.22.2021 00:00		01.22.2021 00:00		01.22.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00	
	Analyzed:	01.28.2021 06:16		01.28.2021 06:37		01.28.2021 06:58		01.28.2021 07:18		01.28.2021 07:39		01.28.2021 08:00	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00198	0.00198
Toluene		0.0129	0.00199	0.0115	0.00200	0.00750	0.00200	0.00460	0.00201	<0.00199	0.00199	<0.00198	0.00198
Ethylbenzene		0.00485	0.00199	0.00516	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00198	0.00198
m,p-Xylenes		0.0167	0.00398	0.0158	0.00399	0.00682	0.00400	0.00487	0.00402	<0.00398	0.00398	<0.00397	0.00397
o-Xylene		0.00730	0.00199	0.00743	0.00200	0.00370	0.00200	0.00248	0.00201	<0.00199	0.00199	<0.00198	0.00198
Total Xylenes		0.0240	0.00199	0.0232	0.00200	0.0105	0.00200	0.00735	0.00201	<0.00199	0.00199	<0.00198	0.00198
Total BTEX		0.0418	0.00199	0.0399	0.00200	0.0180	0.00200	0.0120	0.00201	<0.00199	0.00199	<0.00198	0.00198
Inorganic Anions by EPA 300	***Extracted:***	01.27.2021 14:15		01.27.2021 14:15		01.27.2021 14:15		01.27.2021 14:15		01.27.2021 14:15		01.27.2021 14:15	
	Analyzed:	01.27.2021 17:34		01.27.2021 17:40		01.27.2021 17:56		01.27.2021 18:01		01.27.2021 18:17		01.27.2021 18:22	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		14.5	5.05	29.4	4.99	94.2	5.02	56.3	5.05	246	4.98	343	4.95
TPH by SW8015 Mod	***Extracted:***	01.28.2021 12:00		01.28.2021 12:00		01.28.2021 12:00		01.28.2021 12:00		01.28.2021 12:00		01.28.2021 12:00	
	Analyzed:	01.29.2021 20:29		01.29.2021 20:51		01.29.2021 21:12		01.29.2021 21:34		01.29.2021 21:55		01.29.2021 22:17	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8
Total TPH		<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13291
Contact: PM
Project Location: Rural Eddy Co., NM

Date Received in Lab: Tue 01.26.2021 13:44
Report Date: 02.02.2021 10:38
Project Manager: Jessica Kramer

Analysis Requested											
	Lab Id:	685949-019		685949-020		685949-021					
	Field Id:	FL 110 @ 1'		FL 111 @ 1'		FL 112 @ 1'					
	Depth:	1- ft		1- ft		1- ft					
	Matrix:	SOIL		SOIL		SOIL					
	Sampled:	01.22.2021 00:00		01.22.2021 00:00		01.22.2021 00:00					
BTEX by EPA 8021B	***Extracted:***	01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00					
	Analyzed:	01.28.2021 08:20		01.28.2021 08:41		01.28.2021 10:23					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Benzene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200				
Toluene		0.00432	0.00200	<0.00199	0.00199	<0.00200	0.00200				
Ethylbenzene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200				
m,p-Xylenes		<0.00400	0.00400	<0.00398	0.00398	<0.00399	0.00399				
o-Xylene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200				
Total Xylenes		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200				
Total BTEX		0.00432	0.00200	<0.00199	0.00199	<0.00200	0.00200				
Inorganic Anions by EPA 300	***Extracted:***	01.27.2021 14:15		01.27.2021 14:15		01.27.2021 14:15					
	Analyzed:	01.27.2021 18:28		01.27.2021 18:33		01.27.2021 18:38					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		708	5.03	488	5.00	30.0	5.00				
TPH by SW8015 Mod	***Extracted:***	01.28.2021 12:00		01.28.2021 12:00		01.30.2021 11:00					
	Analyzed:	01.29.2021 22:39		01.29.2021 23:01		01.31.2021 03:54					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0				
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0				
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0				
Total TPH		<50.0	50.0	<49.9	49.9	<50.0	50.0				

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Analytical Report 685949

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

Landes Pond Release

13291

02.02.2021

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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02.02.2021

Project Manager: **PM**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **685949**
Landes Pond Release
Project Address: Rural Eddy Co., NM

PM :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 685949. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 685949 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
FL 86 @ 1'	S	01.22.2021 00:00	1 ft	685949-001
FL 87 @ 1'	S	01.22.2021 00:00	1 ft	685949-002
FL 88 @ 1'	S	01.22.2021 00:00	1 ft	685949-003
FL 89 @ 1'	S	01.22.2021 00:00	1 ft	685949-004
FL 90 @ 1'	S	01.22.2021 00:00	1 ft	685949-005
FL 91 @ 1'	S	01.22.2021 00:00	1 ft	685949-006
FL 92 @ 1'	S	01.22.2021 00:00	1 ft	685949-007
FL 93 @ 1'	S	01.22.2021 00:00	1 ft	685949-008
FL 94 @ 1'	S	01.22.2021 00:00	1 ft	685949-009
FL 95 @ 1'	S	01.22.2021 00:00	1 ft	685949-010
FL 96 @ 1'	S	01.22.2021 00:00	1 ft	685949-011
FL 97 @ 1'	S	01.22.2021 00:00	1 ft	685949-012
FL 98 @ 1'	S	01.22.2021 00:00	1 ft	685949-013
FL 99 @ 1'	S	01.22.2021 00:00	1 ft	685949-014
FL 104 @ 1'	S	01.22.2021 00:00	1 ft	685949-015
FL 105 @ 1'	S	01.22.2021 00:00	1 ft	685949-016
FL 106 @ 1'	S	01.22.2021 00:00	1 ft	685949-017
FL 107 @ 1'	S	01.22.2021 00:00	1 ft	685949-018
FL 110 @ 1'	S	01.22.2021 00:00	1 ft	685949-019
FL 111 @ 1'	S	01.22.2021 00:00	1 ft	685949-020
FL 112 @ 1'	S	01.22.2021 00:00	1 ft	685949-021

CASE NARRATIVE

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Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Landes Pond Release

Project ID: *13291*
Work Order Number(s): *685949*

Report Date: *02.02.2021*
Date Received: *01.26.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3149159 BTEX by EPA 8021B

Surrogate 1,4-Difluorobenzene, Surrogate 4-Bromofluorobenzene recovered below QC limits. Samples affected are: 7720186-1-BLK,685949-011 SD.

Lab Sample ID 685949-011 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). o-Xylene recovered below QC limits in the Matrix Spike Duplicate. m,p-Xylenes, o-Xylene recovered above QC limits in the Matrix Spike. Benzene, Ethylbenzene, Toluene recovered above QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 685949-011, -012, -013, -014, -015, -016, -017, -018, -019, -020.
The Laboratory Control Sample for Toluene, Benzene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.

Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene Relative Percent Difference (RPD) between matrix spike and duplicate were above quality control limits.
Samples in the analytical batch are: 685949-011, -012, -013, -014, -015, -016, -017, -018, -019, -020

Batch: LBA-3149194 Inorganic Anions by EPA 300

Lab Sample ID 685949-014 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 685949-004, -005, -006, -007, -008, -009, -010, -011, -012, -013, -014, -015, -016, -017, -018, -019, -020, -021.
The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3149584 TPH by SW8015 Mod

Surrogate o-Terphenyl recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 685949-012.

Batch: LBA-3149652 TPH by SW8015 Mod

Surrogate o-Terphenyl recovered above QC limits Data confirmed by re-analysis. Samples affected are: 7720483-1-BLK,685949-021.

CASE NARRATIVE

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Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Landes Pond Release

Project ID:	*13291*	Report Date:	*02.02.2021*
Work Order Number(s):	*685949*	Date Received:	*01.26.2021*

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 86 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-001	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 12:30	% Moisture:	
Seq Number:	3149192			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**50.4**	5.00	mg/kg	01.27.2021 17:27		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.28.2021 12:00	% Moisture:	
Seq Number:	3149584			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.29.2021 13:33	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.29.2021 13:33	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.29.2021 13:33	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.29.2021 13:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-130	01.29.2021 13:33	
o-Terphenyl	84-15-1	112	%	70-130	01.29.2021 13:33	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 86 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-001	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.28.2021 17:00	% Moisture:	
Seq Number:	3149295			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.00787**	0.00199	mg/kg	01.29.2021 03:35		1
Toluene	108-88-3	**0.00640**	0.00199	mg/kg	01.29.2021 03:35		1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.29.2021 03:35	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.29.2021 03:35	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.29.2021 03:35	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.29.2021 03:35	U	1
Total BTEX		**0.0143**	0.00199	mg/kg	01.29.2021 03:35		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.29.2021 03:35	
4-Bromofluorobenzene	460-00-4	98	%	70-130	01.29.2021 03:35	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 87 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-002	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 12:30	% Moisture:	
Seq Number:	3149192			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**341**	4.99	mg/kg	01.27.2021 17:32		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.28.2021 12:00	% Moisture:	
Seq Number:	3149584			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.29.2021 14:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.29.2021 14:44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.29.2021 14:44	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.29.2021 14:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-130	01.29.2021 14:44	
o-Terphenyl	84-15-1	115	%	70-130	01.29.2021 14:44	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 87 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-002	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 15:00	% Moisture:	
Seq Number:	3149158			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.27.2021 18:36	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.27.2021 18:36	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.27.2021 18:36	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.27.2021 18:36	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.27.2021 18:36	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.27.2021 18:36	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.27.2021 18:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	01.27.2021 18:36	
1,4-Difluorobenzene	540-36-3	114	%	70-130	01.27.2021 18:36	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 88 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-003	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 12:30	% Moisture:	
Seq Number:	3149192			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**26.2**	5.02	mg/kg	01.27.2021 17:38		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.28.2021 12:00	% Moisture:	
Seq Number:	3149584			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.29.2021 15:05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.29.2021 15:05	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.29.2021 15:05	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.29.2021 15:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-130	01.29.2021 15:05	
o-Terphenyl	84-15-1	117	%	70-130	01.29.2021 15:05	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 88 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-003	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 15:00	% Moisture:	
Seq Number:	3149158			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.27.2021 18:57	U	1
Toluene	108-88-3	**0.00279**	0.00200	mg/kg	01.27.2021 18:57		1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.27.2021 18:57	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	01.27.2021 18:57	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.27.2021 18:57	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.27.2021 18:57	U	1
Total BTEX		**0.00279**	0.00200	mg/kg	01.27.2021 18:57		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	112	%	70-130	01.27.2021 18:57	
4-Bromofluorobenzene	460-00-4	120	%	70-130	01.27.2021 18:57	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 89 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-004	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 14:15	% Moisture:	
Seq Number:	3149194			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**18.8**	5.05	mg/kg	01.27.2021 16:25	X	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.28.2021 12:00	% Moisture:	
Seq Number:	3149584			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.29.2021 15:27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.29.2021 15:27	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.29.2021 15:27	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.29.2021 15:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-130	01.29.2021 15:27	
o-Terphenyl	84-15-1	118	%	70-130	01.29.2021 15:27	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 89 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-004	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 15:00	% Moisture:	
Seq Number:	3149158			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.28.2021 00:07	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.28.2021 00:07	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.28.2021 00:07	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.28.2021 00:07	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.28.2021 00:07	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.28.2021 00:07	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.28.2021 00:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	01.28.2021 00:07	
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.28.2021 00:07	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 90 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-005	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 14:15	% Moisture:	
Seq Number:	3149194			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**80.2**	4.98	mg/kg	01.27.2021 16:41		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.28.2021 12:00	% Moisture:	
Seq Number:	3149584			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.29.2021 15:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.29.2021 15:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.29.2021 15:49	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.29.2021 15:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-130	01.29.2021 15:49	
o-Terphenyl	84-15-1	116	%	70-130	01.29.2021 15:49	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 90 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-005	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 15:00	% Moisture:	
Seq Number:	3149158			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.28.2021 00:27	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.28.2021 00:27	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.28.2021 00:27	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.28.2021 00:27	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.28.2021 00:27	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.28.2021 00:27	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.28.2021 00:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	122	%	70-130	01.28.2021 00:27	
1,4-Difluorobenzene	540-36-3	111	%	70-130	01.28.2021 00:27	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 91 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-006	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 14:15	% Moisture:	
Seq Number:	3149194			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**84.8**	4.99	mg/kg	01.27.2021 16:46		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.28.2021 12:00	% Moisture:	
Seq Number:	3149584			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.29.2021 16:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.29.2021 16:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.29.2021 16:10	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.29.2021 16:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	81	%	70-130	01.29.2021 16:10	
o-Terphenyl	84-15-1	112	%	70-130	01.29.2021 16:10	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 91 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-006	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 15:00	% Moisture:	
Seq Number:	3149158			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.28.2021 00:48	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.28.2021 00:48	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.28.2021 00:48	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.28.2021 00:48	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.28.2021 00:48	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.28.2021 00:48	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.28.2021 00:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	108	%	70-130	01.28.2021 00:48	
4-Bromofluorobenzene	460-00-4	117	%	70-130	01.28.2021 00:48	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 92 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-007	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 14:15	% Moisture:	
Seq Number:	3149194			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**90.5**	5.03	mg/kg	01.27.2021 16:52		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.28.2021 12:00	% Moisture:	
Seq Number:	3149584			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.29.2021 16:32	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.29.2021 16:32	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.29.2021 16:32	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.29.2021 16:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-130	01.29.2021 16:32	
o-Terphenyl	84-15-1	115	%	70-130	01.29.2021 16:32	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 92 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-007	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 15:00	% Moisture:	
Seq Number:	3149158			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.28.2021 01:09	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.28.2021 01:09	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.28.2021 01:09	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.28.2021 01:09	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.28.2021 01:09	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.28.2021 01:09	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.28.2021 01:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.28.2021 01:09	
4-Bromofluorobenzene	460-00-4	114	%	70-130	01.28.2021 01:09	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 93 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-008	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 14:15	% Moisture:	
Seq Number:	3149194			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**76.0**	4.96	mg/kg	01.27.2021 16:57		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.28.2021 12:00	% Moisture:	
Seq Number:	3149584			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.29.2021 18:20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.29.2021 18:20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.29.2021 18:20	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.29.2021 18:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-130	01.29.2021 18:20	
o-Terphenyl	84-15-1	122	%	70-130	01.29.2021 18:20	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 93 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-008	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 15:00	% Moisture:	
Seq Number:	3149158			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.28.2021 01:29	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.28.2021 01:29	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.28.2021 01:29	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.28.2021 01:29	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.28.2021 01:29	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.28.2021 01:29	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.28.2021 01:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	120	%	70-130	01.28.2021 01:29	
1,4-Difluorobenzene	540-36-3	109	%	70-130	01.28.2021 01:29	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 94 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-009	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 14:15	% Moisture:	
Seq Number:	3149194			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**97.5**	5.00	mg/kg	01.27.2021 17:13		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.28.2021 12:00	% Moisture:	
Seq Number:	3149584			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.29.2021 18:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.29.2021 18:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.29.2021 18:41	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.29.2021 18:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-130	01.29.2021 18:41	
o-Terphenyl	84-15-1	112	%	70-130	01.29.2021 18:41	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 94 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-009	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 15:00	% Moisture:	
Seq Number:	3149158			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.28.2021 01:50	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.28.2021 01:50	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.28.2021 01:50	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	01.28.2021 01:50	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.28.2021 01:50	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.28.2021 01:50	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.28.2021 01:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	01.28.2021 01:50	
4-Bromofluorobenzene	460-00-4	110	%	70-130	01.28.2021 01:50	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 95 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-010	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 14:15	% Moisture:	
Seq Number:	3149194			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**26.8**	5.00	mg/kg	01.27.2021 17:18		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.28.2021 12:00	% Moisture:	
Seq Number:	3149584			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.29.2021 19:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.29.2021 19:03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.29.2021 19:03	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.29.2021 19:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-130	01.29.2021 19:03	
o-Terphenyl	84-15-1	125	%	70-130	01.29.2021 19:03	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 95 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-010	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 15:00	% Moisture:	
Seq Number:	3149158			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.28.2021 02:11	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.28.2021 02:11	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.28.2021 02:11	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.28.2021 02:11	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.28.2021 02:11	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.28.2021 02:11	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.28.2021 02:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	119	%	70-130	01.28.2021 02:11	
1,4-Difluorobenzene	540-36-3	110	%	70-130	01.28.2021 02:11	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 96 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-011	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 14:15	% Moisture:	
Seq Number:	3149194			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**168**	5.00	mg/kg	01.27.2021 17:24		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.28.2021 12:00	% Moisture:	
Seq Number:	3149584			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.29.2021 19:46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.29.2021 19:46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.29.2021 19:46	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.29.2021 19:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-130	01.29.2021 19:46	
o-Terphenyl	84-15-1	123	%	70-130	01.29.2021 19:46	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 96 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-011	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149159			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.28.2021 05:35	UXF	1
Toluene	108-88-3	**0.0408**	0.00198	mg/kg	01.28.2021 05:35	XF	1
Ethylbenzene	100-41-4	**0.0170**	0.00198	mg/kg	01.28.2021 05:35	XF	1
m,p-Xylenes	179601-23-1	**0.0523**	0.00396	mg/kg	01.28.2021 05:35	XF	1
o-Xylene	95-47-6	**0.0229**	0.00198	mg/kg	01.28.2021 05:35	XF	1
Total Xylenes	1330-20-7	**0.0752**	0.00198	mg/kg	01.28.2021 05:35		1
Total BTEX		**0.133**	0.00198	mg/kg	01.28.2021 05:35		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.28.2021 05:35	
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.28.2021 05:35	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 97 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-012	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 14:15	% Moisture:	
Seq Number:	3149194			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**33.8**	4.95	mg/kg	01.27.2021 17:29		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.28.2021 12:00	% Moisture:	
Seq Number:	3149584			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.29.2021 20:07	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.29.2021 20:07	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.29.2021 20:07	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.29.2021 20:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-130	01.29.2021 20:07	
o-Terphenyl	84-15-1	132	%	70-130	01.29.2021 20:07	**

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 97 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-012	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149159			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.28.2021 05:56	U	1
Toluene	108-88-3	**0.0211**	0.00202	mg/kg	01.28.2021 05:56		1
Ethylbenzene	100-41-4	**0.00956**	0.00202	mg/kg	01.28.2021 05:56		1
m,p-Xylenes	179601-23-1	**0.0274**	0.00403	mg/kg	01.28.2021 05:56		1
o-Xylene	95-47-6	**0.0127**	0.00202	mg/kg	01.28.2021 05:56		1
Total Xylenes	1330-20-7	**0.0401**	0.00202	mg/kg	01.28.2021 05:56		1
Total BTEX		**0.0708**	0.00202	mg/kg	01.28.2021 05:56		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	106	%	70-130	01.28.2021 05:56	
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.28.2021 05:56	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 98 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-013	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 14:15	% Moisture:	
Seq Number:	3149194			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**14.5**	5.05	mg/kg	01.27.2021 17:34		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.28.2021 12:00	% Moisture:	
Seq Number:	3149584			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.29.2021 20:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.29.2021 20:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.29.2021 20:29	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.29.2021 20:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-130	01.29.2021 20:29	
o-Terphenyl	84-15-1	111	%	70-130	01.29.2021 20:29	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 98 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-013	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149159			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.28.2021 06:16	U	1
Toluene	108-88-3	**0.0129**	0.00199	mg/kg	01.28.2021 06:16		1
Ethylbenzene	100-41-4	**0.00485**	0.00199	mg/kg	01.28.2021 06:16		1
m,p-Xylenes	179601-23-1	**0.0167**	0.00398	mg/kg	01.28.2021 06:16		1
o-Xylene	95-47-6	**0.00730**	0.00199	mg/kg	01.28.2021 06:16		1
Total Xylenes	1330-20-7	**0.0240**	0.00199	mg/kg	01.28.2021 06:16		1
Total BTEX		**0.0418**	0.00199	mg/kg	01.28.2021 06:16		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	104	%	70-130	01.28.2021 06:16	
1,4-Difluorobenzene	540-36-3	106	%	70-130	01.28.2021 06:16	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 99 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-014	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 14:15	% Moisture:	
Seq Number:	3149194			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**29.4**	4.99	mg/kg	01.27.2021 17:40		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.28.2021 12:00	% Moisture:	
Seq Number:	3149584			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.29.2021 20:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.29.2021 20:51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.29.2021 20:51	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.29.2021 20:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-130	01.29.2021 20:51	
o-Terphenyl	84-15-1	115	%	70-130	01.29.2021 20:51	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 99 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-014	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149159			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.28.2021 06:37	U	1
Toluene	108-88-3	**0.0115**	0.00200	mg/kg	01.28.2021 06:37		1
Ethylbenzene	100-41-4	**0.00516**	0.00200	mg/kg	01.28.2021 06:37		1
m,p-Xylenes	179601-23-1	**0.0158**	0.00399	mg/kg	01.28.2021 06:37		1
o-Xylene	95-47-6	**0.00743**	0.00200	mg/kg	01.28.2021 06:37		1
Total Xylenes	1330-20-7	**0.0232**	0.00200	mg/kg	01.28.2021 06:37		1
Total BTEX		**0.0399**	0.00200	mg/kg	01.28.2021 06:37		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	108	%	70-130	01.28.2021 06:37	
4-Bromofluorobenzene	460-00-4	125	%	70-130	01.28.2021 06:37	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 104 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-015	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 14:15	% Moisture:	
Seq Number:	3149194			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**94.2**	5.02	mg/kg	01.27.2021 17:56		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.28.2021 12:00	% Moisture:	
Seq Number:	3149584			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.29.2021 21:12	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.29.2021 21:12	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.29.2021 21:12	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.29.2021 21:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-130	01.29.2021 21:12	
o-Terphenyl	84-15-1	115	%	70-130	01.29.2021 21:12	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 104 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-015	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149159			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.28.2021 06:58	U	1
Toluene	108-88-3	**0.00750**	0.00200	mg/kg	01.28.2021 06:58		1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.28.2021 06:58	U	1
m,p-Xylenes	179601-23-1	**0.00682**	0.00400	mg/kg	01.28.2021 06:58		1
o-Xylene	95-47-6	**0.00370**	0.00200	mg/kg	01.28.2021 06:58		1
Total Xylenes	1330-20-7	**0.0105**	0.00200	mg/kg	01.28.2021 06:58		1
Total BTEX		**0.0180**	0.00200	mg/kg	01.28.2021 06:58		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	120	%	70-130	01.28.2021 06:58	
1,4-Difluorobenzene	540-36-3	111	%	70-130	01.28.2021 06:58	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 105 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-016	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 14:15	% Moisture:	
Seq Number:	3149194			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**56.3**	5.05	mg/kg	01.27.2021 18:01		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.28.2021 12:00	% Moisture:	
Seq Number:	3149584			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.29.2021 21:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.29.2021 21:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.29.2021 21:34	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.29.2021 21:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-130	01.29.2021 21:34	
o-Terphenyl	84-15-1	123	%	70-130	01.29.2021 21:34	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 105 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-016	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149159			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.28.2021 07:18	U	1
Toluene	108-88-3	**0.00460**	0.00201	mg/kg	01.28.2021 07:18		1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.28.2021 07:18	U	1
m,p-Xylenes	179601-23-1	**0.00487**	0.00402	mg/kg	01.28.2021 07:18		1
o-Xylene	95-47-6	**0.00248**	0.00201	mg/kg	01.28.2021 07:18		1
Total Xylenes	1330-20-7	**0.00735**	0.00201	mg/kg	01.28.2021 07:18		1
Total BTEX		**0.0120**	0.00201	mg/kg	01.28.2021 07:18		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	110	%	70-130	01.28.2021 07:18	
1,4-Difluorobenzene	540-36-3	107	%	70-130	01.28.2021 07:18	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 106 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-017	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 14:15	% Moisture:	
Seq Number:	3149194			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**246**	4.98	mg/kg	01.27.2021 18:17		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.28.2021 12:00	% Moisture:	
Seq Number:	3149584			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.29.2021 21:55	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.29.2021 21:55	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.29.2021 21:55	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.29.2021 21:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-130	01.29.2021 21:55	
o-Terphenyl	84-15-1	114	%	70-130	01.29.2021 21:55	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 106 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-017	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149159			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.28.2021 07:39	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.28.2021 07:39	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.28.2021 07:39	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.28.2021 07:39	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.28.2021 07:39	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.28.2021 07:39	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.28.2021 07:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	106	%	70-130	01.28.2021 07:39	
4-Bromofluorobenzene	460-00-4	106	%	70-130	01.28.2021 07:39	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 107 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-018	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 14:15	% Moisture:	
Seq Number:	3149194			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**343**	4.95	mg/kg	01.27.2021 18:22		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.28.2021 12:00	% Moisture:	
Seq Number:	3149584			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.29.2021 22:17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.29.2021 22:17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.29.2021 22:17	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.29.2021 22:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	84	%	70-130	01.29.2021 22:17	
o-Terphenyl	84-15-1	117	%	70-130	01.29.2021 22:17	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 107 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-018	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149159			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.28.2021 08:00	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.28.2021 08:00	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.28.2021 08:00	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.28.2021 08:00	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.28.2021 08:00	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.28.2021 08:00	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.28.2021 08:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	70-130	01.28.2021 08:00	
1,4-Difluorobenzene	540-36-3	110	%	70-130	01.28.2021 08:00	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 110 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-019	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 14:15	% Moisture:	
Seq Number:	3149194			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**708**	5.03	mg/kg	01.27.2021 18:28		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.28.2021 12:00	% Moisture:	
Seq Number:	3149584			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.29.2021 22:39	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.29.2021 22:39	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.29.2021 22:39	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.29.2021 22:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-130	01.29.2021 22:39	
o-Terphenyl	84-15-1	115	%	70-130	01.29.2021 22:39	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 110 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-019	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149159			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.28.2021 08:20	U	1
Toluene	108-88-3	**0.00432**	0.00200	mg/kg	01.28.2021 08:20		1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.28.2021 08:20	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	01.28.2021 08:20	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.28.2021 08:20	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.28.2021 08:20	U	1
Total BTEX		**0.00432**	0.00200	mg/kg	01.28.2021 08:20		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	106	%	70-130	01.28.2021 08:20	
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.28.2021 08:20	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 111 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-020	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 14:15	% Moisture:	
Seq Number:	3149194			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**488**	5.00	mg/kg	01.27.2021 18:33		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.28.2021 12:00	% Moisture:	
Seq Number:	3149584			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.29.2021 23:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.29.2021 23:01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.29.2021 23:01	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.29.2021 23:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-130	01.29.2021 23:01	
o-Terphenyl	84-15-1	128	%	70-130	01.29.2021 23:01	

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Certificate of Analytical Results 685949

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Landes Pond Release

Sample Id:	**FL 111 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-020	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149159			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.28.2021 08:41	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.28.2021 08:41	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.28.2021 08:41	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.28.2021 08:41	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.28.2021 08:41	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.28.2021 08:41	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.28.2021 08:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.28.2021 08:41	
4-Bromofluorobenzene	460-00-4	112	%	70-130	01.28.2021 08:41	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 112 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-021	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 14:15	% Moisture:	
Seq Number:	3149194			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**30.0**	5.00	mg/kg	01.27.2021 18:38		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.30.2021 11:00	% Moisture:	
Seq Number:	3149652			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.31.2021 03:54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.31.2021 03:54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.31.2021 03:54	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.31.2021 03:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-130	01.31.2021 03:54	
o-Terphenyl	84-15-1	137	%	70-130	01.31.2021 03:54	**

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 112 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-021	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149159			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.28.2021 10:23	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.28.2021 10:23	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.28.2021 10:23	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.28.2021 10:23	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.28.2021 10:23	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.28.2021 10:23	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.28.2021 10:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	105	%	70-130	01.28.2021 10:23	
1,4-Difluorobenzene	540-36-3	106	%	70-130	01.28.2021 10:23	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 685949

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149192 — Matrix: Solid — Date Prep: 01.27.2021
MB Sample Id: 7720122-1-BLK — LCS Sample Id: 7720122-1-BKS — LCSD Sample Id: 7720122-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	263	105	263	105	90-110	0	20	mg/kg	01.27.2021 15:07	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149194 — Matrix: Solid — Date Prep: 01.27.2021
MB Sample Id: 7720145-1-BLK — LCS Sample Id: 7720145-1-BKS — LCSD Sample Id: 7720145-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	254	102	250	100	90-110	2	20	mg/kg	01.27.2021 16:14	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149192 — Matrix: Soil — Date Prep: 01.27.2021
Parent Sample Id: 685964-006 — MS Sample Id: 685964-006 S — MSD Sample Id: 685964-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	72.6	249	357	114	342	108	90-110	4	20	mg/kg	01.27.2021 15:22	X

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149192 — Matrix: Soil — Date Prep: 01.27.2021
Parent Sample Id: 686053-005 — MS Sample Id: 686053-005 S — MSD Sample Id: 686053-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	26.5	250	311	114	305	111	90-110	2	20	mg/kg	01.27.2021 16:35	X

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149194 — Matrix: Soil — Date Prep: 01.27.2021
Parent Sample Id: 685949-004 — MS Sample Id: 685949-004 S — MSD Sample Id: 685949-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	18.8	253	228	83	230	83	90-110	1	20	mg/kg	01.27.2021 16:30	X

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149194 — Matrix: Soil — Date Prep: 01.27.2021
Parent Sample Id: 685949-014 — MS Sample Id: 685949-014 S — MSD Sample Id: 685949-014 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	29.4	250	270	96	271	97	90-110	0	20	mg/kg	01.27.2021 17:45	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 685949

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149584 — Matrix: Solid — Date Prep: 01.28.2021
MB Sample Id: 7720476-1-BLK — LCS Sample Id: 7720476-1-BKS — LCSD Sample Id: 7720476-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	899	90	916	92	70-130	2	20	mg/kg	01.29.2021 12:51	
Diesel Range Organics (DRO)	<50.0	1000	851	85	904	90	70-130	6	20	mg/kg	01.29.2021 12:51	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	78		93		97		70-130	%	01.29.2021 12:51
o-Terphenyl	115		115		124		70-130	%	01.29.2021 12:51

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149652 — Matrix: Solid — Date Prep: 01.30.2021
MB Sample Id: 7720483-1-BLK — LCS Sample Id: 7720483-1-BKS — LCSD Sample Id: 7720483-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	834	83	862	86	70-130	3	20	mg/kg	01.30.2021 23:24	
Diesel Range Organics (DRO)	<50.0	1000	857	86	890	89	70-130	4	20	mg/kg	01.30.2021 23:24	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	85		77		82		70-130	%	01.30.2021 23:24
o-Terphenyl	131	**	94		116		70-130	%	01.30.2021 23:24

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149584 — Matrix: Solid — Date Prep: 01.28.2021
MB Sample Id: 7720476-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.29.2021 12:30	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149652 — Matrix: Solid — Date Prep: 01.30.2021
MB Sample Id: 7720483-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.30.2021 23:03	

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 685949

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149584 — Matrix: Soil — Date Prep: 01.28.2021
Parent Sample Id: 685949-001 — MS Sample Id: 685949-001 S — MSD Sample Id: 685949-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	847	85	861	86	70-130	2	20	mg/kg	01.29.2021 13:54	
Diesel Range Organics (DRO)	<49.9	997	790	79	805	81	70-130	2	20	mg/kg	01.29.2021 13:54	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	80		82		70-130	%	01.29.2021 13:54
o-Terphenyl	99		100		70-130	%	01.29.2021 13:54

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149652 — Matrix: Soil — Date Prep: 01.30.2021
Parent Sample Id: 685950-021 — MS Sample Id: 685950-021 S — MSD Sample Id: 685950-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	999	939	94	910	91	70-130	3	20	mg/kg	01.31.2021 00:26	
Diesel Range Organics (DRO)	<50.0	999	990	99	955	96	70-130	4	20	mg/kg	01.31.2021 00:26	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	89		84		70-130	%	01.31.2021 00:26
o-Terphenyl	112		108		70-130	%	01.31.2021 00:26

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149158 — Matrix: Solid — Date Prep: 01.27.2021
MB Sample Id: 7720185-1-BLK — LCS Sample Id: 7720185-1-BKS — LCSD Sample Id: 7720185-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0804	80	0.0787	79	70-130	2	35	mg/kg	01.27.2021 16:14	
Toluene	<0.00200	0.100	0.0868	87	0.0794	79	70-130	9	35	mg/kg	01.27.2021 16:14	
Ethylbenzene	<0.00200	0.100	0.0863	86	0.0833	83	70-130	4	35	mg/kg	01.27.2021 16:14	
m,p-Xylenes	<0.00400	0.200	0.160	80	0.154	77	70-130	4	35	mg/kg	01.27.2021 16:14	
o-Xylene	<0.00200	0.100	0.0904	90	0.0836	84	70-130	8	35	mg/kg	01.27.2021 16:14	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		107		107		70-130	%	01.27.2021 16:14
4-Bromofluorobenzene	119		103		104		70-130	%	01.27.2021 16:14

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 685949

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149159 — Matrix: Solid — Date Prep: 01.27.2021
MB Sample Id: 7720186-1-BLK — LCS Sample Id: 7720186-1-BKS — LCSD Sample Id: 7720186-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0881	88	0.0800	80	70-130	10	35	mg/kg	01.28.2021 03:13	
Toluene	<0.00200	0.100	0.0906	91	0.0846	85	70-130	7	35	mg/kg	01.28.2021 03:13	
Ethylbenzene	<0.00200	0.100	0.0915	92	0.0880	88	70-130	4	35	mg/kg	01.28.2021 03:13	
m,p-Xylenes	<0.00400	0.200	0.173	87	0.164	82	70-130	5	35	mg/kg	01.28.2021 03:13	
o-Xylene	<0.00200	0.100	0.0970	97	0.0875	88	70-130	10	35	mg/kg	01.28.2021 03:13	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		105		101		70-130	%	01.28.2021 03:13
4-Bromofluorobenzene	129		104		103		70-130	%	01.28.2021 03:13

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149295 — Matrix: Solid — Date Prep: 01.28.2021
MB Sample Id: 7720281-1-BLK — LCS Sample Id: 7720281-1-BKS — LCSD Sample Id: 7720281-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0789	79	0.0816	82	70-130	3	35	mg/kg	01.28.2021 23:33	
Toluene	<0.00200	0.100	0.0764	76	0.0788	79	70-130	3	35	mg/kg	01.28.2021 23:33	
Ethylbenzene	<0.00200	0.100	0.0822	82	0.0849	85	70-130	3	35	mg/kg	01.28.2021 23:33	
m,p-Xylenes	<0.00400	0.200	0.159	80	0.166	83	70-130	4	35	mg/kg	01.28.2021 23:33	
o-Xylene	<0.00200	0.100	0.0818	82	0.0825	83	70-130	1	35	mg/kg	01.28.2021 23:33	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	91		100		100		70-130	%	01.28.2021 23:33
4-Bromofluorobenzene	113		92		96		70-130	%	01.28.2021 23:33

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149158 — Matrix: Soil — Date Prep: 01.27.2021
Parent Sample Id: 685949-002 — MS Sample Id: 685949-002 S — MSD Sample Id: 685949-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.0839	84	0.105	106	70-130	22	35	mg/kg	01.27.2021 16:55	
Toluene	<0.00199	0.0996	0.0930	93	0.0991	100	70-130	6	35	mg/kg	01.27.2021 16:55	
Ethylbenzene	<0.00199	0.0996	0.0876	88	0.0928	94	70-130	6	35	mg/kg	01.27.2021 16:55	
m,p-Xylenes	<0.00398	0.199	0.178	89	0.178	90	70-130	0	35	mg/kg	01.27.2021 16:55	
o-Xylene	<0.00199	0.0996	0.0991	99	0.106	107	70-130	7	35	mg/kg	01.27.2021 16:55	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		108		70-130	%	01.27.2021 16:55
4-Bromofluorobenzene	118		119		70-130	%	01.27.2021 16:55

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 685949

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3149159 Matrix: Soil Date Prep: 01.27.2021
Parent Sample Id: 685949-011 MS Sample Id: 685949-011 S MSD Sample Id: 685949-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.821	823	0.438	438	70-130	61	35	mg/kg	01.28.2021 03:54	XF
Toluene	0.0408	0.0998	2.50	2464	1.31	1269	70-130	62	35	mg/kg	01.28.2021 03:54	XF
Ethylbenzene	0.0170	0.0998	0.163	146	0.297	280	70-130	58	35	mg/kg	01.28.2021 03:54	XF
m,p-Xylenes	0.0523	0.200	1.51	729	0.279	113	70-130	138	35	mg/kg	01.28.2021 03:54	XF
o-Xylene	0.0229	0.0998	0.652	630	0.0608	38	70-130	166	35	mg/kg	01.28.2021 03:54	XF

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		60	**	70-130	%	01.28.2021 03:54
4-Bromofluorobenzene	136	**	9	**	70-130	%	01.28.2021 03:54

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3149295 Matrix: Soil Date Prep: 01.28.2021
Parent Sample Id: 686301-006 MS Sample Id: 686301-006 S MSD Sample Id: 686301-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.0818	82	0.0800	80	70-130	2	35	mg/kg	01.29.2021 00:13	
Toluene	<0.00199	0.0996	0.0855	86	0.0752	76	70-130	13	35	mg/kg	01.29.2021 00:13	
Ethylbenzene	<0.00199	0.0996	0.0646	65	0.0750	75	70-130	15	35	mg/kg	01.29.2021 00:13	X
m,p-Xylenes	<0.00398	0.199	0.137	69	0.154	77	70-130	12	35	mg/kg	01.29.2021 00:13	X
o-Xylene	<0.00199	0.0996	0.0652	65	0.0769	77	70-130	16	35	mg/kg	01.29.2021 00:13	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	106		105		70-130	%	01.29.2021 00:13
4-Bromofluorobenzene	97		97		70-130	%	01.29.2021 00:13

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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Chain of Custody

Work Order No: 685949

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Project Manager:	Joel Lowry	Bill to: (if different)	Solaris Water Midstream C/O Rob Kirk
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to: PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level ☐ Level ☐ PST/US ☐ TRP ☐ Level ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☒
Project Location	Rural Eddy Co., NM	Rush:	☐
Sampler's Name:	Tyler Griffin	Due Date:	
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):	6.0	Thermometer ID		
Received Intact:	Yes No	128		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	.5	
Sample Custody Seals:	Yes No N/A	Total Containers:		

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)	Sample Comments
FL86 @ 1'	Soil	1/22/2021		1'	1/NO	X	X	X	
FL87 @ 1'	Soil	1/22/2021		1'	1/NO	X	X	X	
FL88 @ 1'	Soil	1/22/2021		1'	1/NO	X	X	X	
FL89 @ 1'	Soil	1/22/2021		1'	1/NO	X	X	X	
FL90 @ 1'	Soil	1/22/2021		1'	1/NO	X	X	X	
FL91 @ 1'	Soil	1/22/2021		1'	1/NO	X	X	X	
FL92 @ 1'	Soil	1/22/2021		1'	1/NO	X	X	X	
FL93 @ 1'	Soil	1/22/2021		1'	1/NO	X	X	X	
FL94 @ 1'	Soil	1/22/2021		1'	1/NO	X	X	X	
FL95 @ 1'	Soil	1/22/2021		1'	1/NO	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

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	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		NR	2:27 1/25	2 NR		1/26/21 1344
3				4		
5				6		

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 485949

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Project Manager:	Joel Lowry	Bill to: (if different)	Solaris Water Midstream C/O Rob Kirk
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378 Email:	Email Results to: PM@etechenv.com + Client	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/US ☐ TRR ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☒
Project Location	Rural Eddy Co., NM	Rush:	☐
Sampler's Name:	Tyler Griffin	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	6.2	Thermometer ID	IR8	
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:	.5	
Sample Custody Seals:	Yes No N/A	Total Containers:		

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)	Sample Comments
FL96 @ 3'	Soil	1/22/2021		3'	1/NO	X	X	X	
FL97 @ 3'	Soil	1/22/2021		3'	1/NO	X	X	X	
FL98 @ 3'	Soil	1/22/2021		3'	1/NO	X	X	X	
FL99 @ 3'	Soil	1/22/2021		3'	1/NO	X	X	X	
FL104 @ 1'	Soil	1/22/2021		1'	1/NO	X	X	X	
FL105 @ 1'	Soil	1/22/2021		1'	1/NO	X	X	X	
FL106 @ 1'	Soil	1/22/2021		1'	1/NO	X	X	X	
FL107 @ 1'	Soil	1/22/2021		1'	1/NO	X	X	X	
FL110 @ 1'	Soil	1/22/2021		1'	1/NO	X	X	X	
FL111 @ 1'	Soil	1/22/2021		1'	1/NO	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		2:27:25	2		1/24/21 1344
3			4		
5			6		

Revised Date101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
Page 59 of 61

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Work Order No: 485949

Project Manager:	Joel Lowry	Bill to: (if different)	Solaris Water Midstream C/O Rob Kirk
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to: PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/US ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☒
Project Location	Rural Eddy Co., NM	Rush:	☐
Sampler's Name:	Tyler Griffin	Due Date:	
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	(Yes) No
Temperature (°C):	6.0	Thermometer ID		
Received Intact:	(Yes) No	IR8		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	.5	
Sample Custody Seals:	Yes No (N/A)	Total Containers:		

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)	Sample Comments
FL112 @ 1'	Soil	1/22/2021		1'	1/NO	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

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	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			2:27 1-25	2		1/24/21 1344
3				4		
5				6		

Revised Date101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
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Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 01.26.2021 01.44.00 PM

Work Order #: 685949

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	.6
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6*Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**No**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#13 Samples properly preserved?	**Yes**
#14 Sample container(s) intact?	**Yes**
#15 Sufficient sample amount for indicated test(s)?	**Yes**
#16 All samples received within hold time?	**Yes**
#17 Subcontract of sample(s)?	**N/A**
#18 Water VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 01.26.2021

Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 01.27.2021

Jessica Kramer

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Certificate of Analysis Summary 686162

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co, NM

Date Received in Lab: Wed 01.27.2021 11:50
Report Date: 02.03.2021 16:12
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	686162-001		686162-002		686162-003		686162-004		686162-005		686162-006	
	Field Id:	FL 100 @ 3'		FL 101 @ 3'		FL 102 @ 3'		FL 103 @ 3'		FL 108 @ 1'		FL 109 @ 1'	
	Depth:	3- ft		3- ft		3- ft		3- ft		1- ft		1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.25.2021 00:00		01.25.2021 00:00		01.25.2021 00:00		01.25.2021 00:00		01.25.2021 00:00		01.25.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.29.2021 18:00		01.29.2021 18:00		01.29.2021 18:00		01.29.2021 18:00		01.29.2021 18:00		01.29.2021 18:00	
	Analyzed:	01.31.2021 06:10		01.31.2021 06:31		01.31.2021 07:53		01.31.2021 08:14		01.31.2021 08:34		01.31.2021 08:55	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
Toluene		<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
Ethylbenzene		<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
m,p-Xylenes		<0.00397	0.00397	<0.00399	0.00399	<0.00402	0.00402	<0.00396	0.00396	<0.00404	0.00404	<0.00400	0.00400
o-Xylene		<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
Total Xylenes		<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
Total BTEX		<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
Chloride by EPA 300	***Extracted:***	01.29.2021 09:00		01.29.2021 09:00		01.29.2021 09:00		01.29.2021 09:00		01.29.2021 09:00		01.29.2021 09:00	
	Analyzed:	01.29.2021 09:53		01.29.2021 10:09		01.29.2021 10:14		01.29.2021 10:20		01.29.2021 10:25		01.29.2021 10:41	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		23.7	5.02	106	4.99	22.3	5.04	19.8	4.96	123	5.02	470	4.98
TPH By SW8015 Mod	***Extracted:***	01.30.2021 10:00		01.30.2021 10:00		01.30.2021 10:00		01.30.2021 10:00		01.30.2021 10:00		01.30.2021 10:00	
	Analyzed:	01.30.2021 14:31		01.30.2021 15:34		01.30.2021 15:55		01.30.2021 16:17		01.30.2021 16:38		01.30.2021 16:59	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0
Diesel Range Organics (DRO)		<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0
Total TPH		<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 686162

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co, NM

Date Received in Lab: Wed 01.27.2021 11:50
Report Date: 02.03.2021 16:12
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	686162-007		686162-008		686162-009		686162-010		686162-011		686162-012	
	Field Id:	FL 113 @ 3'		FL 114 @ 3'		FL 115 @ 1'		FL 116 @ 1'		FL 117 @ 1'		FL 118 @ 2'	
	Depth:	3- ft		3- ft		1- ft		1- ft		1- ft		2- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.25.2021 00:00		01.25.2021 00:00		01.25.2021 00:00		01.25.2021 00:00		01.25.2021 00:00		01.25.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.29.2021 18:00		01.29.2021 18:00		01.29.2021 17:30		01.29.2021 17:30		01.29.2021 17:30		01.29.2021 17:30	
	Analyzed:	01.31.2021 09:15		01.31.2021 09:35		01.31.2021 05:01		01.31.2021 05:22		01.31.2021 05:42		01.31.2021 06:02	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Toluene		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Ethylbenzene		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
m,p-Xylenes		<0.00402	0.00402	<0.00401	0.00401	<0.00402	0.00402	<0.00400	0.00400	<0.00399	0.00399	<0.00398	0.00398
o-Xylene		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Total Xylenes		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Total BTEX		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Chloride by EPA 300	***Extracted:***	01.29.2021 09:00		01.29.2021 09:00		01.29.2021 09:00		01.29.2021 09:00		01.29.2021 09:00		01.29.2021 09:00	
	Analyzed:	01.29.2021 10:47		01.29.2021 10:52		01.29.2021 10:57		01.29.2021 11:02		01.29.2021 11:08		01.29.2021 11:24	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		17.7	4.96	12.2	5.00	47.3	5.03	65.2	4.97	152	5.05	1440	25.0
TPH By SW8015 Mod	***Extracted:***	01.30.2021 10:00		01.30.2021 10:00		01.30.2021 10:00		01.30.2021 10:00		01.30.2021 10:00		01.30.2021 10:00	
	Analyzed:	01.30.2021 17:20		01.30.2021 17:41		01.30.2021 18:02		01.30.2021 18:23		01.30.2021 19:05		01.30.2021 19:27	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9
Diesel Range Organics (DRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9
Total TPH		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 686162

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co, NM

Date Received in Lab: Wed 01.27.2021 11:50
Report Date: 02.03.2021 16:12
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	686162-013		686162-014		686162-015		686162-016		686162-017		686162-018	
	Field Id:	FL 119 @ 2'		FL 120 @ 1'		FL 121 @ 0-6"		FL 122 @ 1'		FL 123 @ 1'		FL 124 @ 1'	
	Depth:	2- ft		1- ft		0-6 In		1- ft		1- ft		1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.25.2021 00:00		01.25.2021 00:00		01.25.2021 00:00		01.25.2021 00:00		01.25.2021 00:00		01.25.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.29.2021 17:30		01.29.2021 17:30		01.29.2021 17:30		01.29.2021 17:30		01.29.2021 17:30		01.29.2021 17:30	
	Analyzed:	01.31.2021 06:23		01.31.2021 06:43		01.31.2021 07:04		01.31.2021 07:24		01.31.2021 07:45		01.31.2021 08:06	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201
Toluene		<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201
Ethylbenzene		<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201
m,p-Xylenes		<0.00401	0.00401	<0.00398	0.00398	<0.00403	0.00403	<0.00403	0.00403	<0.00399	0.00399	<0.00402	0.00402
o-Xylene		<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201
Total Xylenes		<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201
Total BTEX		<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201
Chloride by EPA 300	***Extracted:***	01.29.2021 09:00		01.29.2021 09:00		01.29.2021 09:00		01.29.2021 09:00		01.29.2021 09:00		01.29.2021 09:00	
	Analyzed:	01.29.2021 11:29		01.29.2021 11:45		01.29.2021 11:50		01.29.2021 11:56		01.29.2021 12:01		01.29.2021 12:06	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		197	4.98	32.8	4.96	35.1	5.03	80.6	5.05	121	4.99	50.6	5.00
TPH By SW8015 Mod	***Extracted:***	01.30.2021 10:00		01.30.2021 10:00		01.30.2021 10:00		01.30.2021 10:00		02.02.2021 12:00		02.02.2021 12:00	
	Analyzed:	01.30.2021 19:48		01.30.2021 20:10		01.30.2021 20:31		01.30.2021 20:53		02.02.2021 20:13		02.02.2021 20:34	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9
Diesel Range Organics (DRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9
Total TPH		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9

BRL - Below Reporting Limit

Jessica Kramer

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Analytical Report 686162

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

Landes Pond Release

13261

02.03.2021

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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02.03.2021

Project Manager: **PM**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **686162**
Landes Pond Release
Project Address: Rural Eddy Co, NM

PM :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 686162. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 686162 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 686162

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
FL 100 @ 3'	S	01.25.2021 00:00	3 ft	686162-001
FL 101 @ 3'	S	01.25.2021 00:00	3 ft	686162-002
FL 102 @ 3'	S	01.25.2021 00:00	3 ft	686162-003
FL 103 @ 3'	S	01.25.2021 00:00	3 ft	686162-004
FL 108 @ 1'	S	01.25.2021 00:00	1 ft	686162-005
FL 109 @ 1'	S	01.25.2021 00:00	1 ft	686162-006
FL 113 @ 3'	S	01.25.2021 00:00	3 ft	686162-007
FL 114 @ 3'	S	01.25.2021 00:00	3 ft	686162-008
FL 115 @ 1'	S	01.25.2021 00:00	1 ft	686162-009
FL 116 @ 1'	S	01.25.2021 00:00	1 ft	686162-010
FL 117 @ 1'	S	01.25.2021 00:00	1 ft	686162-011
FL 118 @ 2'	S	01.25.2021 00:00	2 ft	686162-012
FL 119 @ 2'	S	01.25.2021 00:00	2 ft	686162-013
FL 120 @ 1'	S	01.25.2021 00:00	1 ft	686162-014
FL 121 @ 0-6"	S	01.25.2021 00:00	0 - 6 In	686162-015
FL 122 @ 1'	S	01.25.2021 00:00	1 ft	686162-016
FL 123 @ 1'	S	01.25.2021 00:00	1 ft	686162-017
FL 124 @ 1'	S	01.25.2021 00:00	1 ft	686162-018

CASE NARRATIVE

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Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Landes Pond Release

Project ID: *13261*
Work Order Number(s): *686162*

Report Date: *02.03.2021*
Date Received: *01.27.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3149480 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected. Samples affected are: 686162-018.

Benzene, Ethylbenzene, m,p-Xylenes Relative Percent Difference (RPD) between matrix spike and duplicate were above quality control limits.
Samples in the analytical batch are: 686162-009, -010, -011, -012, -013, -014, -015, -016, -017, -018

Lab Sample ID 686162-009 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 686162-009, -010, -011, -012, -013, -014, -015, -016, -017, -018.
The Laboratory Control Sample for Toluene, Benzene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.

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Certificate of Analytical Results 686162

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 100 @ 3'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-001	Date Collected:	01.25.2021 00:00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 09:00	% Moisture:	
Seq Number:	3149471			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**23.7**	5.02	mg/kg	01.29.2021 09:53		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.30.2021 10:00	% Moisture:	
Seq Number:	3149595			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.30.2021 14:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.30.2021 14:31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.30.2021 14:31	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.30.2021 14:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-130	01.30.2021 14:31	
o-Terphenyl	84-15-1	106	%	70-130	01.30.2021 14:31	

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Certificate of Analytical Results 686162

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 100 @ 3'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-001	Date Collected:	01.25.2021 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 18:00	% Moisture:	
Seq Number:	3149482			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.31.2021 06:10	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.31.2021 06:10	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.31.2021 06:10	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.31.2021 06:10	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.31.2021 06:10	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.31.2021 06:10	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.31.2021 06:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	97	%	70-130	01.31.2021 06:10	
4-Bromofluorobenzene	460-00-4	106	%	70-130	01.31.2021 06:10	

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Certificate of Analytical Results 686162

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 101 @ 3'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-002	Date Collected:	01.25.2021 00:00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 09:00	% Moisture:	
Seq Number:	3149471			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**106**	4.99	mg/kg	01.29.2021 10:09		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.30.2021 10:00	% Moisture:	
Seq Number:	3149595			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.30.2021 15:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.30.2021 15:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.30.2021 15:34	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.30.2021 15:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-130	01.30.2021 15:34	
o-Terphenyl	84-15-1	102	%	70-130	01.30.2021 15:34	

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Certificate of Analytical Results 686162

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 101 @ 3'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-002	Date Collected:	01.25.2021 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 18:00	% Moisture:	
Seq Number:	3149482			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.31.2021 06:31	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.31.2021 06:31	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.31.2021 06:31	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.31.2021 06:31	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.31.2021 06:31	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.31.2021 06:31	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.31.2021 06:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	109	%	70-130	01.31.2021 06:31	
1,4-Difluorobenzene	540-36-3	97	%	70-130	01.31.2021 06:31	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 102 @ 3'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-003	Date Collected:	01.25.2021 00:00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 09:00	% Moisture:	
Seq Number:	3149471			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**22.3**	5.04	mg/kg	01.29.2021 10:14		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.30.2021 10:00	% Moisture:	
Seq Number:	3149595			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.30.2021 15:55	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.30.2021 15:55	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.30.2021 15:55	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.30.2021 15:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-130	01.30.2021 15:55	
o-Terphenyl	84-15-1	115	%	70-130	01.30.2021 15:55	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 102 @ 3'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-003	Date Collected:	01.25.2021 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 18:00	% Moisture:	
Seq Number:	3149482			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.31.2021 07:53	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.31.2021 07:53	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.31.2021 07:53	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.31.2021 07:53	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.31.2021 07:53	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.31.2021 07:53	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.31.2021 07:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	99	%	70-130	01.31.2021 07:53	
1,4-Difluorobenzene	540-36-3	98	%	70-130	01.31.2021 07:53	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 103 @ 3'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-004	Date Collected:	01.25.2021 00:00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 09:00	% Moisture:	
Seq Number:	3149471			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**19.8**	4.96	mg/kg	01.29.2021 10:20		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.30.2021 10:00	% Moisture:	
Seq Number:	3149595			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.30.2021 16:17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.30.2021 16:17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.30.2021 16:17	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.30.2021 16:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-130	01.30.2021 16:17	
o-Terphenyl	84-15-1	100	%	70-130	01.30.2021 16:17	

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Landes Pond Release

Sample Id:	**FL 103 @ 3'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-004	Date Collected:	01.25.2021 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 18:00	% Moisture:	
Seq Number:	3149482			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.31.2021 08:14	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.31.2021 08:14	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.31.2021 08:14	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	01.31.2021 08:14	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.31.2021 08:14	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.31.2021 08:14	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.31.2021 08:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	01.31.2021 08:14	
4-Bromofluorobenzene	460-00-4	104	%	70-130	01.31.2021 08:14	

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Landes Pond Release

Sample Id:	**FL 108 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-005	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 09:00	% Moisture:	
Seq Number:	3149471			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**123**	5.02	mg/kg	01.29.2021 10:25		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.30.2021 10:00	% Moisture:	
Seq Number:	3149595			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.30.2021 16:38	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.30.2021 16:38	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.30.2021 16:38	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.30.2021 16:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-130	01.30.2021 16:38	
o-Terphenyl	84-15-1	105	%	70-130	01.30.2021 16:38	

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Landes Pond Release

Sample Id:	**FL 108 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-005	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 18:00	% Moisture:	
Seq Number:	3149482			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.31.2021 08:34	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.31.2021 08:34	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.31.2021 08:34	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	01.31.2021 08:34	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.31.2021 08:34	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.31.2021 08:34	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.31.2021 08:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	01.31.2021 08:34	
4-Bromofluorobenzene	460-00-4	103	%	70-130	01.31.2021 08:34	

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Landes Pond Release

Sample Id:	**FL 109 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-006	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 09:00	% Moisture:	
Seq Number:	3149471			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**470**	4.98	mg/kg	01.29.2021 10:41		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.30.2021 10:00	% Moisture:	
Seq Number:	3149595			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.30.2021 16:59	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.30.2021 16:59	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.30.2021 16:59	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.30.2021 16:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-130	01.30.2021 16:59	
o-Terphenyl	84-15-1	106	%	70-130	01.30.2021 16:59	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 109 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-006	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 18:00	% Moisture:	
Seq Number:	3149482			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.31.2021 08:55	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.31.2021 08:55	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.31.2021 08:55	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	01.31.2021 08:55	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.31.2021 08:55	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.31.2021 08:55	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.31.2021 08:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	100	%	70-130	01.31.2021 08:55	
1,4-Difluorobenzene	540-36-3	99	%	70-130	01.31.2021 08:55	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 113 @ 3'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-007	Date Collected:	01.25.2021 00:00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 09:00	% Moisture:	
Seq Number:	3149471			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**17.7**	4.96	mg/kg	01.29.2021 10:47		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.30.2021 10:00	% Moisture:	
Seq Number:	3149595			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.30.2021 17:20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.30.2021 17:20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.30.2021 17:20	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.30.2021 17:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-130	01.30.2021 17:20	
o-Terphenyl	84-15-1	107	%	70-130	01.30.2021 17:20	

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Landes Pond Release

Sample Id:	**FL 113 @ 3'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-007	Date Collected:	01.25.2021 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 18:00	% Moisture:	
Seq Number:	3149482			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.31.2021 09:15	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.31.2021 09:15	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.31.2021 09:15	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.31.2021 09:15	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.31.2021 09:15	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.31.2021 09:15	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.31.2021 09:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	01.31.2021 09:15	
4-Bromofluorobenzene	460-00-4	102	%	70-130	01.31.2021 09:15	

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Landes Pond Release

Sample Id:	**FL 114 @ 3'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-008	Date Collected:	01.25.2021 00:00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 09:00	% Moisture:	
Seq Number:	3149471			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**12.2**	5.00	mg/kg	01.29.2021 10:52		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.30.2021 10:00	% Moisture:	
Seq Number:	3149595			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.30.2021 17:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.30.2021 17:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.30.2021 17:41	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.30.2021 17:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-130	01.30.2021 17:41	
o-Terphenyl	84-15-1	108	%	70-130	01.30.2021 17:41	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 114 @ 3'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-008	Date Collected:	01.25.2021 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 18:00	% Moisture:	
Seq Number:	3149482			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.31.2021 09:35	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.31.2021 09:35	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.31.2021 09:35	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.31.2021 09:35	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.31.2021 09:35	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.31.2021 09:35	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.31.2021 09:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	103	%	70-130	01.31.2021 09:35	
1,4-Difluorobenzene	540-36-3	98	%	70-130	01.31.2021 09:35	

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Certificate of Analytical Results 686162

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 115 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-009	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 09:00	% Moisture:	
Seq Number:	3149471			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**47.3**	5.03	mg/kg	01.29.2021 10:57		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.30.2021 10:00	% Moisture:	
Seq Number:	3149595			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.30.2021 18:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.30.2021 18:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.30.2021 18:02	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.30.2021 18:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-130	01.30.2021 18:02	
o-Terphenyl	84-15-1	110	%	70-130	01.30.2021 18:02	

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Certificate of Analytical Results 686162

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 115 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-009	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 17:30	% Moisture:	
Seq Number:	3149480			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.31.2021 05:01	UXF	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.31.2021 05:01	UX	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.31.2021 05:01	UXF	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.31.2021 05:01	UXF	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.31.2021 05:01	UX	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.31.2021 05:01	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.31.2021 05:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	106	%	70-130	01.31.2021 05:01	
4-Bromofluorobenzene	460-00-4	110	%	70-130	01.31.2021 05:01	

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Certificate of Analytical Results 686162

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 116 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-010	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 09:00	% Moisture:	
Seq Number:	3149471			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**65.2**	4.97	mg/kg	01.29.2021 11:02		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.30.2021 10:00	% Moisture:	
Seq Number:	3149595			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.30.2021 18:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.30.2021 18:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.30.2021 18:23	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.30.2021 18:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-130	01.30.2021 18:23	
o-Terphenyl	84-15-1	104	%	70-130	01.30.2021 18:23	

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Certificate of Analytical Results 686162

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 116 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-010	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 17:30	% Moisture:	
Seq Number:	3149480			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.31.2021 05:22	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.31.2021 05:22	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.31.2021 05:22	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	01.31.2021 05:22	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.31.2021 05:22	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.31.2021 05:22	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.31.2021 05:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.31.2021 05:22	
4-Bromofluorobenzene	460-00-4	113	%	70-130	01.31.2021 05:22	

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Landes Pond Release

Sample Id:	**FL 117 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-011	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 09:00	% Moisture:	
Seq Number:	3149471			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**152**	5.05	mg/kg	01.29.2021 11:08		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.30.2021 10:00	% Moisture:	
Seq Number:	3149595			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.30.2021 19:05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.30.2021 19:05	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.30.2021 19:05	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.30.2021 19:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-130	01.30.2021 19:05	
o-Terphenyl	84-15-1	99	%	70-130	01.30.2021 19:05	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 117 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-011	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 17:30	% Moisture:	
Seq Number:	3149480			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.31.2021 05:42	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.31.2021 05:42	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.31.2021 05:42	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.31.2021 05:42	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.31.2021 05:42	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.31.2021 05:42	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.31.2021 05:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	01.31.2021 05:42	
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.31.2021 05:42	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 118 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-012	Date Collected:	01.25.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 09:00	% Moisture:	
Seq Number:	3149471			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1440**	25.0	mg/kg	01.29.2021 11:24		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.30.2021 10:00	% Moisture:	
Seq Number:	3149595			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.30.2021 19:27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.30.2021 19:27	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.30.2021 19:27	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.30.2021 19:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-130	01.30.2021 19:27	
o-Terphenyl	84-15-1	104	%	70-130	01.30.2021 19:27	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 118 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-012	Date Collected:	01.25.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 17:30	% Moisture:	
Seq Number:	3149480			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.31.2021 06:02	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.31.2021 06:02	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.31.2021 06:02	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.31.2021 06:02	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.31.2021 06:02	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.31.2021 06:02	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.31.2021 06:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	01.31.2021 06:02	
4-Bromofluorobenzene	460-00-4	113	%	70-130	01.31.2021 06:02	

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Landes Pond Release

Sample Id:	**FL 119 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-013	Date Collected:	01.25.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 09:00	% Moisture:	
Seq Number:	3149471			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**197**	4.98	mg/kg	01.29.2021 11:29		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.30.2021 10:00	% Moisture:	
Seq Number:	3149595			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.30.2021 19:48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.30.2021 19:48	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.30.2021 19:48	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.30.2021 19:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-130	01.30.2021 19:48	
o-Terphenyl	84-15-1	100	%	70-130	01.30.2021 19:48	

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Landes Pond Release

Sample Id:	**FL 119 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-013	Date Collected:	01.25.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 17:30	% Moisture:	
Seq Number:	3149480			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.31.2021 06:23	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.31.2021 06:23	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.31.2021 06:23	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.31.2021 06:23	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.31.2021 06:23	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.31.2021 06:23	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.31.2021 06:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	119	%	70-130	01.31.2021 06:23	
1,4-Difluorobenzene	540-36-3	103	%	70-130	01.31.2021 06:23	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 120 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-014	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 09:00	% Moisture:	
Seq Number:	3149471			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**32.8**	4.96	mg/kg	01.29.2021 11:45		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.30.2021 10:00	% Moisture:	
Seq Number:	3149595			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.30.2021 20:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.30.2021 20:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.30.2021 20:10	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.30.2021 20:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-130	01.30.2021 20:10	
o-Terphenyl	84-15-1	106	%	70-130	01.30.2021 20:10	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 120 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-014	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 17:30	% Moisture:	
Seq Number:	3149480			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.31.2021 06:43	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.31.2021 06:43	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.31.2021 06:43	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.31.2021 06:43	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.31.2021 06:43	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.31.2021 06:43	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.31.2021 06:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	106	%	70-130	01.31.2021 06:43	
4-Bromofluorobenzene	460-00-4	120	%	70-130	01.31.2021 06:43	

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Landes Pond Release

Sample Id:	**FL 121 @ 0-6"**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-015	Date Collected:	01.25.2021 00:00	Sample Depth:	0 - 6 In

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 09:00	% Moisture:	
Seq Number:	3149471			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**35.1**	5.03	mg/kg	01.29.2021 11:50		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.30.2021 10:00	% Moisture:	
Seq Number:	3149595			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.30.2021 20:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.30.2021 20:31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.30.2021 20:31	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.30.2021 20:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-130	01.30.2021 20:31	
o-Terphenyl	84-15-1	97	%	70-130	01.30.2021 20:31	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 121 @ 0-6"**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-015	Date Collected:	01.25.2021 00:00	Sample Depth:	0 - 6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 17:30	% Moisture:	
Seq Number:	3149480			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.31.2021 07:04	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.31.2021 07:04	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.31.2021 07:04	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.31.2021 07:04	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.31.2021 07:04	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.31.2021 07:04	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.31.2021 07:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	117	%	70-130	01.31.2021 07:04	
1,4-Difluorobenzene	540-36-3	106	%	70-130	01.31.2021 07:04	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 122 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-016	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 09:00	% Moisture:	
Seq Number:	3149471			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**80.6**	5.05	mg/kg	01.29.2021 11:56		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.30.2021 10:00	% Moisture:	
Seq Number:	3149595			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.30.2021 20:53	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.30.2021 20:53	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.30.2021 20:53	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.30.2021 20:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-130	01.30.2021 20:53	
o-Terphenyl	84-15-1	100	%	70-130	01.30.2021 20:53	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 122 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-016	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 17:30	% Moisture:	
Seq Number:	3149480			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.31.2021 07:24	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.31.2021 07:24	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.31.2021 07:24	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.31.2021 07:24	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.31.2021 07:24	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.31.2021 07:24	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.31.2021 07:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	112	%	70-130	01.31.2021 07:24	
4-Bromofluorobenzene	460-00-4	119	%	70-130	01.31.2021 07:24	

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Landes Pond Release

Sample Id:	**FL 123 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-017	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 09:00	% Moisture:	
Seq Number:	3149471			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**121**	4.99	mg/kg	01.29.2021 12:01		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.02.2021 12:00	% Moisture:	
Seq Number:	3149862			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.02.2021 20:13	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.02.2021 20:13	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.02.2021 20:13	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.02.2021 20:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-130	02.02.2021 20:13	
o-Terphenyl	84-15-1	113	%	70-130	02.02.2021 20:13	

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Landes Pond Release

Sample Id:	**FL 123 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-017	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 17:30	% Moisture:	
Seq Number:	3149480			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.31.2021 07:45	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.31.2021 07:45	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.31.2021 07:45	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.31.2021 07:45	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.31.2021 07:45	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.31.2021 07:45	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.31.2021 07:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	109	%	70-130	01.31.2021 07:45	
1,4-Difluorobenzene	540-36-3	99	%	70-130	01.31.2021 07:45	

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Landes Pond Release

Sample Id:	**FL 124 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-018	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft

Analytical Method: Chloride by EPA 300 — Prep Method: E300P

Tech: CHE

Analyst: CHE — Date Prep: 01.29.2021 09:00 — % Moisture: Basis: Wet Weight

Seq Number: 3149471

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**50.6**	5.00	mg/kg	01.29.2021 12:06		1

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P

Tech: DVM

Analyst: ARM — Date Prep: 02.02.2021 12:00 — % Moisture: Basis: Wet Weight

Seq Number: 3149862

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.02.2021 20:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.02.2021 20:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.02.2021 20:34	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.02.2021 20:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-130	02.02.2021 20:34	
o-Terphenyl	84-15-1	106	%	70-130	02.02.2021 20:34	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 124 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-018	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 17:30	% Moisture:	
Seq Number:	3149480			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.31.2021 08:06	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.31.2021 08:06	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.31.2021 08:06	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.31.2021 08:06	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.31.2021 08:06	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.31.2021 08:06	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.31.2021 08:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	01.31.2021 08:06	
4-Bromofluorobenzene	460-00-4	131	%	70-130	01.31.2021 08:06	**

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 686162

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3149471 — Matrix: Solid — Date Prep: 01.29.2021
MB Sample Id: 7720283-1-BLK — LCS Sample Id: 7720283-1-BKS — LCSD Sample Id: 7720283-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	260	104	260	104	90-110	0	20	mg/kg	01.29.2021 09:42	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3149471 — Matrix: Soil — Date Prep: 01.29.2021
Parent Sample Id: 686162-001 — MS Sample Id: 686162-001 S — MSD Sample Id: 686162-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	23.7	251	284	104	283	103	90-110	0	20	mg/kg	01.29.2021 09:58	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3149471 — Matrix: Soil — Date Prep: 01.29.2021
Parent Sample Id: 686162-011 — MS Sample Id: 686162-011 S — MSD Sample Id: 686162-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	152	253	419	106	430	110	90-110	3	20	mg/kg	01.29.2021 11:13	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149595 — Matrix: Solid — Date Prep: 01.30.2021
MB Sample Id: 7720484-1-BLK — LCS Sample Id: 7720484-1-BKS — LCSD Sample Id: 7720484-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	905	91	895	90	70-130	1	20	mg/kg	01.30.2021 13:48	
Diesel Range Organics (DRO)	<50.0	1000	831	83	826	83	70-130	1	20	mg/kg	01.30.2021 13:48	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	86		82		79		70-130	%	01.30.2021 13:48
o-Terphenyl	106		86		84		70-130	%	01.30.2021 13:48

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149862 — Matrix: Solid — Date Prep: 02.02.2021
MB Sample Id: 7720660-1-BLK — LCS Sample Id: 7720660-1-BKS — LCSD Sample Id: 7720660-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	843	84	870	87	70-130	3	20	mg/kg	02.02.2021 12:05	
Diesel Range Organics (DRO)	<50.0	1000	852	85	837	84	70-130	2	20	mg/kg	02.02.2021 12:05	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	82		83		76		70-130	%	02.02.2021 12:05
o-Terphenyl	111		101		92		70-130	%	02.02.2021 12:05

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 686162

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Landes Pond Release

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149595 — Matrix: Solid — Date Prep: 01.30.2021
MB Sample Id: 7720484-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.30.2021 23:03	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149862 — Matrix: Solid — Date Prep: 02.02.2021
MB Sample Id: 7720660-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.02.2021 11:45	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149595 — Matrix: Soil — Date Prep: 01.30.2021
Parent Sample Id: 686162-001 — MS Sample Id: 686162-001 S — MSD Sample Id: 686162-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	999	930	93	953	95	70-130	2	20	mg/kg	01.30.2021 14:52	
Diesel Range Organics (DRO)	<50.0	999	847	85	875	88	70-130	3	20	mg/kg	01.30.2021 14:52	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	83		84		70-130	%	01.30.2021 14:52
o-Terphenyl	84		86		70-130	%	01.30.2021 14:52

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149862 — Matrix: Soil — Date Prep: 02.02.2021
Parent Sample Id: 686393-001 — MS Sample Id: 686393-001 S — MSD Sample Id: 686393-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	842	84	878	88	70-130	4	20	mg/kg	02.02.2021 13:08	
Diesel Range Organics (DRO)	<49.9	997	823	83	835	84	70-130	1	20	mg/kg	02.02.2021 13:08	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	84		87		70-130	%	02.02.2021 13:08
o-Terphenyl	101		100		70-130	%	02.02.2021 13:08

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 686162

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Landes Pond Release

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149480 — Matrix: Solid — Date Prep: 01.29.2021
MB Sample Id: 7720418-1-BLK — LCS Sample Id: 7720418-1-BKS — LCSD Sample Id: 7720418-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0827	83	0.0818	82	70-130	1	35	mg/kg	01.31.2021 02:41	
Toluene	<0.00200	0.100	0.0993	99	0.0960	96	70-130	3	35	mg/kg	01.31.2021 02:41	
Ethylbenzene	<0.00200	0.100	0.0977	98	0.0908	91	70-130	7	35	mg/kg	01.31.2021 02:41	
m,p-Xylenes	<0.00400	0.200	0.192	96	0.187	94	70-130	3	35	mg/kg	01.31.2021 02:41	
o-Xylene	<0.00200	0.100	0.0943	94	0.0918	92	70-130	3	35	mg/kg	01.31.2021 02:41	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	95		102		103		70-130	%	01.31.2021 02:41
4-Bromofluorobenzene	124		115		114		70-130	%	01.31.2021 02:41

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149482 — Matrix: Solid — Date Prep: 01.29.2021
MB Sample Id: 7720420-1-BLK — LCS Sample Id: 7720420-1-BKS — LCSD Sample Id: 7720420-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.107	107	0.0976	98	70-130	9	35	mg/kg	01.31.2021 01:07	
Toluene	<0.00200	0.100	0.100	100	0.0908	91	70-130	10	35	mg/kg	01.31.2021 01:07	
Ethylbenzene	<0.00200	0.100	0.104	104	0.0937	94	70-130	10	35	mg/kg	01.31.2021 01:07	
m,p-Xylenes	<0.00400	0.200	0.205	103	0.189	95	70-130	8	35	mg/kg	01.31.2021 01:07	
o-Xylene	<0.00200	0.100	0.102	102	0.0935	94	70-130	9	35	mg/kg	01.31.2021 01:07	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	94		101		100		70-130	%	01.31.2021 01:07
4-Bromofluorobenzene	112		102		99		70-130	%	01.31.2021 01:07

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149480 — Matrix: Soil — Date Prep: 01.29.2021
Parent Sample Id: 686162-009 — MS Sample Id: 686162-009 S — MSD Sample Id: 686162-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.100	0.0362	36	0.0230	23	70-130	45	35	mg/kg	01.31.2021 03:21	XF
Toluene	<0.00201	0.100	0.0371	37	0.0269	27	70-130	32	35	mg/kg	01.31.2021 03:21	X
Ethylbenzene	<0.00201	0.100	0.0407	41	0.0257	26	70-130	45	35	mg/kg	01.31.2021 03:21	XF
m,p-Xylenes	<0.00402	0.201	0.0758	38	0.0516	26	70-130	38	35	mg/kg	01.31.2021 03:21	XF
o-Xylene	<0.00201	0.100	0.0379	38	0.0278	28	70-130	31	35	mg/kg	01.31.2021 03:21	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	116		100		70-130	%	01.31.2021 03:21
4-Bromofluorobenzene	123		113		70-130	%	01.31.2021 03:21

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 686162

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A

Seq Number: 3149482 Matrix: Soil Date Prep: 01.29.2021

Parent Sample Id: 686160-001 MS Sample Id: 686160-001 S MSD Sample Id: 686160-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	0.0708	0.100	0.0580	0	0.0583	0	70-130	1	35	mg/kg	01.31.2021 01:47	X
Toluene	0.436	0.100	0.191	0	0.163	0	70-130	16	35	mg/kg	01.31.2021 01:47	X
Ethylbenzene	0.186	0.100	0.108	0	0.0943	0	70-130	14	35	mg/kg	01.31.2021 01:47	X
m,p-Xylenes	0.209	0.200	0.128	0	0.111	0	70-130	14	35	mg/kg	01.31.2021 01:47	X
o-Xylene	0.0653	0.100	0.0439	0	0.0494	0	70-130	12	35	mg/kg	01.31.2021 01:47	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	100		100		70-130	%	01.31.2021 01:47
4-Bromofluorobenzene	108		117		70-130	%	01.31.2021 01:47

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 608662

www.xenco.com Page 1 of 2

Project Manager:	Joel Lowry	Bill to: (if different)	Solaris Water Midstream C/O Rob Kirk
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to: PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/USTR ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☒
Project Location	Rural Eddy Co., NM	Rush:	☐
Sampler's Name:	Tyler Griffin	Due Date:	
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	2	Thermometer ID	IR8		
Received Intact:	Yes No				
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-5		
Sample Custody Seals:	Yes No N/A	Total Containers:			

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)	Sample Comments
FL100 @ 3'	Soil	1/25/2021		3'	1/NO	X	X	X	
FL101 @ 3'	Soil	1/25/2021		3'	1/NO	X	X	X	
FL102 @ 3'	Soil	1/25/2021		3'	1/NO	X	X	X	
FL103 @ 3'	Soil	1/25/2021		3'	1/NO	X	X	X	
FL108 @ 1'	Soil	1/25/2021		1'	1/NO	X	X	X	
FL109 @ 1'	Soil	1/25/2021		1'	1/NO	X	X	X	
FL113 @ 3'	Soil	1/25/2021		3'	1/NO	X	X	X	
FL114 @ 3'	Soil	1/25/2021		3'	1/NO	X	X	X	
FL115 @ 1'	Soil	1/25/2021		1'	1/NO	X	X	X	
FL116 @ 1'	Soil	1/25/2021		1'	1/NO	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			2		
3			4		
5			6		

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
Page 49 of 51

Page 577 of 1721

Chain of Custody

Work Order No: 486162

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Project Manager:	Joel Lowry	Bill to: (if different)	Solaris Water Midstream C/O Rob Kirk
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to: PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☒
Project Location	Rural Eddy Co., NM	Rush:	☐
Sampler's Name:	Tyler Griffin	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	3.2	Thermometer ID	120	
Received Intact:	Yes No			
Cooler Custody Seals:	~~Yes~~ No N/A	Correction Factor:	.5	
Sample Custody Seals:	Yes No N/A	Total Containers:		

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)	Sample Comments
FL117 @ 1'	Soil	1/25/2021		1'	1/NO	X	X	X	
FL118 @ 2'	Soil	1/25/2021		2'	1/NO	X	X	X	
FL119 @ 2'	Soil	1/25/2021		2'	1/NO	X	X	X	
FL120 @ 1'	Soil	1/25/2021		1'	1/NO	X	X	X	
FL121 @ 0-6"	Soil	1/25/2021		0-6"	1/NO	X	X	X	
FL122 @ 1'	Soil	1/25/2021		1'	1/NO	X	X	X	
FL123 @ 1'	Soil	1/25/2021		1'	1/NO	X	X	X	
FL124 @ 1'	Soil	1/25/2021		1'	1/NO	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $6 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			2		
3			4		
5			6		

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
Page 50 of 51

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 01.27.2021 11.50.00 AM

Work Order #: 686162

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	.2
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6*Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**No**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#13 Samples properly preserved?	**Yes**
#14 Sample container(s) intact?	**Yes**
#15 Sufficient sample amount for indicated test(s)?	**Yes**
#16 All samples received within hold time?	**Yes**
#17 Subcontract of sample(s)?	**N/A**
#18 Water VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 01.27.2021

Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 01.27.2021

Jessica Kramer

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Certificate of Analysis Summary 686360

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co, NM

Date Received in Lab: Thu 01.28.2021 12:20
Report Date: 02.03.2021 16:58
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	686360-001		686360-002		686360-003		686360-004		686360-005		686360-006	
	Field Id:	FL 125 @ 0-6"		FL 126 @ 0-6"		FL 127 @ 0-6"		FL 128 @ 0-6"		FL 129 @ 0-6"		FL 130 @ 2'	
	Depth:	0-6 In		0-6 In		0-6 In		0-6 In		0-6 In		2- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.26.2021 00:00		01.26.2021 00:00		01.26.2021 00:00		01.26.2021 00:00		01.26.2021 00:00		01.26.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	02.01.2021 12:00		** ** ** **		** ** ** **		** ** ** **		** ** ** **		** ** ** **	
	Analyzed:	02.01.2021 22:59		02.02.2021 08:51		02.02.2021 13:06		02.02.2021 13:32		02.02.2021 13:57		02.02.2021 14:23	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
Toluene		<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
Ethylbenzene		<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
m,p-Xylenes		<0.00403	0.00403	<0.00398	0.00398	<0.00399	0.00399	<0.00399	0.00399	<0.00398	0.00398	<0.00397	0.00397
o-Xylene		<0.00202	0.00202	0.0172	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
Total Xylenes		<0.00202	0.00202	0.0172	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
Total BTEX		<0.00202	0.00202	0.0172	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
Inorganic Anions by EPA 300	***Extracted:***	01.29.2021 14:10		01.29.2021 14:10		01.29.2021 14:10		01.29.2021 14:10		01.29.2021 14:10		01.29.2021 14:10	
	Analyzed:	01.31.2021 13:31		01.31.2021 13:37		01.31.2021 13:53		01.31.2021 13:58		01.31.2021 14:03		01.31.2021 14:09	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		305	25.1	53.3	5.00	244	4.98	29.8	4.95	42.0	5.04	14.5	5.00
TPH by SW8015 Mod	***Extracted:***	02.02.2021 12:00		02.02.2021 12:00		02.02.2021 12:00		02.02.2021 12:00		02.02.2021 12:00		02.02.2021 12:00	
	Analyzed:	02.02.2021 14:53		02.02.2021 15:14		02.02.2021 15:41		02.02.2021 16:02		02.02.2021 16:23		02.02.2021 16:44	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0
Diesel Range Organics (DRO)		<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0
Total TPH		<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 686360

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co, NM

Date Received in Lab: Thu 01.28.2021 12:20
Report Date: 02.03.2021 16:58
Project Manager: Jessica Kramer

Analysis Requested																					
	Lab Id:	686360-007				686360-008				686360-009				686360-010				686360-011			
	Field Id:	FL 131 @ 2'				FL 132 @ 2'				FL 133 @ 2'				FL 134 @ 2'				FL 135 @ 2'			
	Depth:	2- ft				2- ft				2- ft				2- ft				2- ft			
	Matrix:	SOIL				SOIL				SOIL				SOIL				SOIL			
	Sampled:	01.26.2021 00:00				01.26.2021 00:00				01.26.2021 00:00				01.26.2021 00:00				01.26.2021 00:00			
BTEX by EPA 8021B	***Extracted:***	** ** ** **				02.02.2021 15:45				** ** ** **				** ** ** **				** ** ** **			
	Analyzed:	02.02.2021 14:48				02.02.2021 19:19				02.02.2021 16:48				02.02.2021 17:14				02.02.2021 17:39			
	Units/RL:	mg/kg	RL			mg/kg	RL			mg/kg	RL			mg/kg	RL			mg/kg	RL		
Benzene		<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200		
Toluene		<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200		
Ethylbenzene		<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200		
m,p-Xylenes		<0.00399	0.00399			<0.00400	0.00400			<0.00401	0.00401			<0.00399	0.00399			<0.00399	0.00399		
o-Xylene		<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200		
Total Xylenes		<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200		
Total BTEX		<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200		
Inorganic Anions by EPA 300	***Extracted:***	01.29.2021 14:10				01.29.2021 14:10				01.29.2021 14:10				01.31.2021 11:30				01.31.2021 11:30			
	Analyzed:	01.31.2021 14:14				01.31.2021 14:19				01.31.2021 14:25				01.31.2021 14:57				01.31.2021 15:13			
	Units/RL:	mg/kg	RL			mg/kg	RL			mg/kg	RL			mg/kg	RL			mg/kg	RL		
Chloride		29.8	5.00			24.3	5.00			31.6	4.98			22.2	5.04			23.1	4.96		
TPH by SW8015 Mod	***Extracted:***	02.02.2021 12:00				02.02.2021 12:00				02.02.2021 12:00				02.02.2021 12:00				02.02.2021 12:00			
	Analyzed:	02.02.2021 17:26				02.02.2021 17:47				02.02.2021 18:08				02.02.2021 18:29				02.02.2021 18:49			
	Units/RL:	mg/kg	RL			mg/kg	RL			mg/kg	RL			mg/kg	RL			mg/kg	RL		
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9			<49.8	49.8			<50.0	50.0			<49.9	49.9			<50.0	50.0		
Diesel Range Organics (DRO)		<49.9	49.9			<49.8	49.8			<50.0	50.0			<49.9	49.9			<50.0	50.0		
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9			<49.8	49.8			<50.0	50.0			<49.9	49.9			<50.0	50.0		
Total TPH		<49.9	49.9			<49.8	49.8			<50.0	50.0			<49.9	49.9			<50.0	50.0		

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Analytical Report 686360

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

Landes Pond Release

13261

02.03.2021

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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02.03.2021

Project Manager: **PM**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **686360**
Landes Pond Release
Project Address: Rural Eddy Co, NM

PM :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 686360. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 686360 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 686360

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
FL 125 @ 0-6"	S	01.26.2021 00:00	0 - 6 In	686360-001
FL 126 @ 0-6"	S	01.26.2021 00:00	0 - 6 In	686360-002
FL 127 @ 0-6"	S	01.26.2021 00:00	0 - 6 In	686360-003
FL 128 @ 0-6"	S	01.26.2021 00:00	0 - 6 In	686360-004
FL 129 @ 0-6"	S	01.26.2021 00:00	0 - 6 In	686360-005
FL 130 @ 2'	S	01.26.2021 00:00	2 ft	686360-006
FL 131 @ 2'	S	01.26.2021 00:00	2 ft	686360-007
FL 132 @ 2'	S	01.26.2021 00:00	2 ft	686360-008
FL 133 @ 2'	S	01.26.2021 00:00	2 ft	686360-009
FL 134 @ 2'	S	01.26.2021 00:00	2 ft	686360-010
FL 135 @ 2'	S	01.26.2021 00:00	2 ft	686360-011

CASE NARRATIVE

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Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Landes Pond Release

Project ID: *13261*
Work Order Number(s): *686360*

Report Date: *02.03.2021*
Date Received: *01.28.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3149662 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered above QC limits . Samples affected are: 7720560-1-BKS,686362-001 S,686362-001 SD.

Batch: LBA-3149813 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected; Samples affected are: 686399-001 SD,686360-009,686360-011,686360-006.

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Certificate of Analytical Results 686360

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 125 @ 0-6"**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-001	Date Collected:	01.26.2021 00:00	Sample Depth:	0 - 6 In

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 01.29.2021 14:10 % Moisture:

Seq Number: 3149505 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**305**	25.1	mg/kg	01.31.2021 13:31		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.02.2021 12:00 % Moisture:

Seq Number: 3149864 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.02.2021 14:53	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.02.2021 14:53	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.02.2021 14:53	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.02.2021 14:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-130	02.02.2021 14:53	
o-Terphenyl	84-15-1	102	%	70-130	02.02.2021 14:53	

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Certificate of Analytical Results 686360

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 125 @ 0-6"**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-001	Date Collected:	01.26.2021 00:00	Sample Depth:	0 - 6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.01.2021 12:00	% Moisture:	
Seq Number:	3149662			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.01.2021 22:59	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.01.2021 22:59	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.01.2021 22:59	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	02.01.2021 22:59	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.01.2021 22:59	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	02.01.2021 22:59	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.01.2021 22:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	129	%	70-130	02.01.2021 22:59	
1,4-Difluorobenzene	540-36-3	84	%	70-130	02.01.2021 22:59	

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Certificate of Analytical Results 686360

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 126 @ 0-6"**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-002	Date Collected:	01.26.2021 00:00	Sample Depth:	0 - 6 In

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 01.29.2021 14:10 % Moisture:

Seq Number: 3149505 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**53.3**	5.00	mg/kg	01.31.2021 13:37		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.02.2021 12:00 % Moisture:

Seq Number: 3149864 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.02.2021 15:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.02.2021 15:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.02.2021 15:14	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.02.2021 15:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-130	02.02.2021 15:14	
o-Terphenyl	84-15-1	94	%	70-130	02.02.2021 15:14	

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Certificate of Analytical Results 686360

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 126 @ 0-6"**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-002	Date Collected:	01.26.2021 00:00	Sample Depth:	0 - 6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	DVM				
Analyst:	MNR	Date Prep:	02.02.2020 10:00	% Moisture:	
Seq Number:	3149813			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.02.2021 08:51	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.02.2021 08:51	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.02.2021 08:51	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.02.2021 08:51	U	1
o-Xylene	95-47-6	**0.0172**	0.00199	mg/kg	02.02.2021 08:51		1
Total Xylenes	1330-20-7	**0.0172**	0.00199	mg/kg	02.02.2021 08:51		1
Total BTEX		**0.0172**	0.00199	mg/kg	02.02.2021 08:51		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	122	%	70-130	02.02.2021 08:51	
1,4-Difluorobenzene	540-36-3	94	%	70-130	02.02.2021 08:51	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 127 @ 0-6"**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-003	Date Collected:	01.26.2021 00:00	Sample Depth:	0 - 6 In

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 01.29.2021 14:10 % Moisture:

Seq Number: 3149505 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**244**	4.98	mg/kg	01.31.2021 13:53		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.02.2021 12:00 % Moisture:

Seq Number: 3149864 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.02.2021 15:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.02.2021 15:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.02.2021 15:41	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.02.2021 15:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-130	02.02.2021 15:41	
o-Terphenyl	84-15-1	96	%	70-130	02.02.2021 15:41	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 127 @ 0-6"**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-003	Date Collected:	01.26.2021 00:00	Sample Depth:	0 - 6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	DVM				
Analyst:	MNR	Date Prep:	02.02.2020 10:00	% Moisture:	
Seq Number:	3149813			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.02.2021 13:06	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.02.2021 13:06	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.02.2021 13:06	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.02.2021 13:06	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.02.2021 13:06	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.02.2021 13:06	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.02.2021 13:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	119	%	70-130	02.02.2021 13:06	
1,4-Difluorobenzene	540-36-3	96	%	70-130	02.02.2021 13:06	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 128 @ 0-6"**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-004	Date Collected:	01.26.2021 00:00	Sample Depth:	0 - 6 In

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 01.29.2021 14:10 % Moisture:

Seq Number: 3149505 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**29.8**	4.95	mg/kg	01.31.2021 13:58		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.02.2021 12:00 % Moisture:

Seq Number: 3149864 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.02.2021 16:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.02.2021 16:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.02.2021 16:02	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.02.2021 16:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-130	02.02.2021 16:02	
o-Terphenyl	84-15-1	117	%	70-130	02.02.2021 16:02	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 128 @ 0-6"**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-004	Date Collected:	01.26.2021 00:00	Sample Depth:	0 - 6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	DVM				
Analyst:	MNR	Date Prep:	02.02.2020 10:00	% Moisture:	
Seq Number:	3149813			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.02.2021 13:32	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.02.2021 13:32	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.02.2021 13:32	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.02.2021 13:32	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.02.2021 13:32	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.02.2021 13:32	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.02.2021 13:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	122	%	70-130	02.02.2021 13:32	
1,4-Difluorobenzene	540-36-3	104	%	70-130	02.02.2021 13:32	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 129 @ 0-6"**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-005	Date Collected:	01.26.2021 00:00	Sample Depth:	0 - 6 In

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 01.29.2021 14:10 % Moisture:

Seq Number: 3149505 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**42.0**	5.04	mg/kg	01.31.2021 14:03		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.02.2021 12:00 % Moisture:

Seq Number: 3149864 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.02.2021 16:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.02.2021 16:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.02.2021 16:23	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.02.2021 16:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-130	02.02.2021 16:23	
o-Terphenyl	84-15-1	110	%	70-130	02.02.2021 16:23	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 129 @ 0-6"**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-005	Date Collected:	01.26.2021 00:00	Sample Depth:	0 - 6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	DVM				
Analyst:	MNR	Date Prep:	02.02.2020 10:00	% Moisture:	
Seq Number:	3149813			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.02.2021 13:57	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.02.2021 13:57	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.02.2021 13:57	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.02.2021 13:57	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.02.2021 13:57	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.02.2021 13:57	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.02.2021 13:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	123	%	70-130	02.02.2021 13:57	
1,4-Difluorobenzene	540-36-3	107	%	70-130	02.02.2021 13:57	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id: **FL 130 @ 2'** Matrix: Soil Date Received:01.28.2021 12:20

Lab Sample Id: 686360-006 Date Collected: 01.26.2021 00:00 Sample Depth: 2 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 01.29.2021 14:10 % Moisture:

Seq Number: 3149505 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**14.5**	5.00	mg/kg	01.31.2021 14:09		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.02.2021 12:00 % Moisture:

Seq Number: 3149864 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.02.2021 16:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.02.2021 16:44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.02.2021 16:44	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.02.2021 16:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-130	02.02.2021 16:44	
o-Terphenyl	84-15-1	111	%	70-130	02.02.2021 16:44	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 130 @ 2'**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-006	Date Collected:	01.26.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	DVM				
Analyst:	MNR	Date Prep:	02.02.2020 10:00	% Moisture:	
Seq Number:	3149813			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	02.02.2021 14:23	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	02.02.2021 14:23	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	02.02.2021 14:23	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	02.02.2021 14:23	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	02.02.2021 14:23	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	02.02.2021 14:23	U	1
Total BTEX		<0.00198	0.00198	mg/kg	02.02.2021 14:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	135	%	70-130	02.02.2021 14:23	**
1,4-Difluorobenzene	540-36-3	114	%	70-130	02.02.2021 14:23	

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Certificate of Analytical Results 686360

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 131 @ 2'**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-007	Date Collected:	01.26.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 14:10	% Moisture:	
Seq Number:	3149505			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**29.8**	5.00	mg/kg	01.31.2021 14:14		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.02.2021 12:00	% Moisture:	
Seq Number:	3149864			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.02.2021 17:26	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.02.2021 17:26	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.02.2021 17:26	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.02.2021 17:26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-130	02.02.2021 17:26	
o-Terphenyl	84-15-1	98	%	70-130	02.02.2021 17:26	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 131 @ 2'**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-007	Date Collected:	01.26.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	DVM				
Analyst:	MNR	Date Prep:	02.02.2020 10:00	% Moisture:	
Seq Number:	3149813			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.02.2021 14:48	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.02.2021 14:48	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.02.2021 14:48	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.02.2021 14:48	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.02.2021 14:48	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.02.2021 14:48	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.02.2021 14:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	122	%	70-130	02.02.2021 14:48	
1,4-Difluorobenzene	540-36-3	107	%	70-130	02.02.2021 14:48	

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Certificate of Analytical Results 686360

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 132 @ 2'**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-008	Date Collected:	01.26.2021 00:00	Sample Depth:	2 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 01.29.2021 14:10 % Moisture:

Seq Number: 3149505 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**24.3**	5.00	mg/kg	01.31.2021 14:19		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.02.2021 12:00 % Moisture:

Seq Number: 3149864 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.02.2021 17:47	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.02.2021 17:47	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.02.2021 17:47	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.02.2021 17:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-130	02.02.2021 17:47	
o-Terphenyl	84-15-1	127	%	70-130	02.02.2021 17:47	

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Certificate of Analytical Results 686360

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 132 @ 2'**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-008	Date Collected:	01.26.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.02.2021 15:45	% Moisture:	
Seq Number:	3149805			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.02.2021 19:19	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.02.2021 19:19	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.02.2021 19:19	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.02.2021 19:19	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.02.2021 19:19	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.02.2021 19:19	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.02.2021 19:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	97	%	70-130	02.02.2021 19:19	
4-Bromofluorobenzene	460-00-4	101	%	70-130	02.02.2021 19:19	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 133 @ 2'**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-009	Date Collected:	01.26.2021 00:00	Sample Depth:	2 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: CHE
Analyst: CHE
Seq Number: 3149505

Date Prep: 01.29.2021 14:10

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**31.6**	4.98	mg/kg	01.31.2021 14:25		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3149864

Date Prep: 02.02.2021 12:00

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.02.2021 18:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.02.2021 18:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.02.2021 18:08	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.02.2021 18:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	71	%	70-130	02.02.2021 18:08	
o-Terphenyl	84-15-1	77	%	70-130	02.02.2021 18:08	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 133 @ 2'**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-009	Date Collected:	01.26.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	DVM				
Analyst:	MNR	Date Prep:	02.02.2020 10:00	% Moisture:	
Seq Number:	3149813			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.02.2021 16:48	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.02.2021 16:48	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.02.2021 16:48	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.02.2021 16:48	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.02.2021 16:48	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.02.2021 16:48	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.02.2021 16:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	131	%	70-130	02.02.2021 16:48	**
1,4-Difluorobenzene	540-36-3	98	%	70-130	02.02.2021 16:48	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 134 @ 2'**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-010	Date Collected:	01.26.2021 00:00	Sample Depth:	2 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: CHE
Analyst: CHE
Seq Number: 3149509

Date Prep: 01.31.2021 11:30

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**22.2**	5.04	mg/kg	01.31.2021 14:57		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3149864

Date Prep: 02.02.2021 12:00

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.02.2021 18:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.02.2021 18:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.02.2021 18:29	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.02.2021 18:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-130	02.02.2021 18:29	
o-Terphenyl	84-15-1	111	%	70-130	02.02.2021 18:29	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 134 @ 2'**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-010	Date Collected:	01.26.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	DVM				
Analyst:	MNR	Date Prep:	02.02.2020 10:00	% Moisture:	
Seq Number:	3149813			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.02.2021 17:14	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.02.2021 17:14	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.02.2021 17:14	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.02.2021 17:14	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.02.2021 17:14	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.02.2021 17:14	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.02.2021 17:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.02.2021 17:14	
4-Bromofluorobenzene	460-00-4	114	%	70-130	02.02.2021 17:14	

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Certificate of Analytical Results 686360

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 135 @ 2'**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-011	Date Collected:	01.26.2021 00:00	Sample Depth:	2 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: CHE
Analyst: CHE
Seq Number: 3149509

Date Prep: 01.31.2021 11:30

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**23.1**	4.96	mg/kg	01.31.2021 15:13		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3149864

Date Prep: 02.02.2021 12:00

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.02.2021 18:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.02.2021 18:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.02.2021 18:49	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.02.2021 18:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-130	02.02.2021 18:49	
o-Terphenyl	84-15-1	110	%	70-130	02.02.2021 18:49	

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Certificate of Analytical Results 686360

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 135 @ 2'**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-011	Date Collected:	01.26.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	DVM				
Analyst:	MNR	Date Prep:	02.02.2020 10:00	% Moisture:	
Seq Number:	3149813			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.02.2021 17:39	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.02.2021 17:39	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.02.2021 17:39	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.02.2021 17:39	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.02.2021 17:39	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.02.2021 17:39	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.02.2021 17:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	02.02.2021 17:39	
4-Bromofluorobenzene	460-00-4	133	%	70-130	02.02.2021 17:39	**

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 686360

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149505 — Matrix: Solid — Date Prep: 01.29.2021
MB Sample Id: 7720335-1-BLK — LCS Sample Id: 7720335-1-BKS — LCSD Sample Id: 7720335-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	236	94	236	94	90-110	0	20	mg/kg	01.31.2021 11:50	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149509 — Matrix: Solid — Date Prep: 01.31.2021
MB Sample Id: 7720409-1-BLK — LCS Sample Id: 7720409-1-BKS — LCSD Sample Id: 7720409-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	239	96	238	95	90-110	0	20	mg/kg	01.31.2021 14:46	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149505 — Matrix: Soil — Date Prep: 01.29.2021
Parent Sample Id: 686362-004 — MS Sample Id: 686362-004 S — MSD Sample Id: 686362-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	220	251	496	110	494	110	90-110	0	20	mg/kg	01.31.2021 12:06	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149505 — Matrix: Soil — Date Prep: 01.29.2021
Parent Sample Id: 686364-006 — MS Sample Id: 686364-006 S — MSD Sample Id: 686364-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	10.5	248	293	114	293	114	90-110	0	20	mg/kg	01.31.2021 13:20	X

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149509 — Matrix: Soil — Date Prep: 01.31.2021
Parent Sample Id: 686360-010 — MS Sample Id: 686360-010 S — MSD Sample Id: 686360-010 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	22.2	252	274	100	275	100	90-110	0	20	mg/kg	01.31.2021 15:02	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149509 — Matrix: Soil — Date Prep: 01.31.2021
Parent Sample Id: 686563-005 — MS Sample Id: 686563-005 S — MSD Sample Id: 686563-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	39.5	253	334	116	298	102	90-110	11	20	mg/kg	01.31.2021 16:17	X

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 686360

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149864 — Matrix: Solid — Date Prep: 02.02.2021
MB Sample Id: 7720662-1-BLK — LCS Sample Id: 7720662-1-BKS — LCSD Sample Id: 7720662-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	971	97	991	99	70-130	2	20	mg/kg	02.02.2021 21:36	
Diesel Range Organics (DRO)	<50.0	1000	862	86	889	89	70-130	3	20	mg/kg	02.02.2021 21:36	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	99		90		93		70-130	%	02.02.2021 21:36
o-Terphenyl	109		89		96		70-130	%	02.02.2021 21:36

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149864 — Matrix: Solid — Date Prep: 02.02.2021
MB Sample Id: 7720662-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.01.2021 11:43	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149864 — Matrix: Soil — Date Prep: 02.02.2021
Parent Sample Id: 686411-001 — MS Sample Id: 686411-001 S — MSD Sample Id: 686411-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	1030	103	958	96	70-130	7	20	mg/kg	02.02.2021 13:08	
Diesel Range Organics (DRO)	<49.9	997	930	93	862	87	70-130	8	20	mg/kg	02.02.2021 13:08	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	90		83		70-130	%	02.02.2021 13:08
o-Terphenyl	90		84		70-130	%	02.02.2021 13:08

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149813 — Matrix: Solid — Date Prep: 02.02.2020
MB Sample Id: 7720644-1-BLK — LCS Sample Id: 7720644-1-BKS — LCSD Sample Id: 7720644-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0731	73	0.0927	93	70-130	24	35	mg/kg	02.02.2021 03:37	
Toluene	<0.00200	0.100	0.0766	77	0.0998	100	70-130	26	35	mg/kg	02.02.2021 03:37	
Ethylbenzene	<0.00200	0.100	0.0755	76	0.0996	100	70-130	28	35	mg/kg	02.02.2021 03:37	
m,p-Xylenes	<0.00400	0.200	0.156	78	0.203	102	70-130	26	35	mg/kg	02.02.2021 03:37	
o-Xylene	<0.00200	0.100	0.0777	78	0.0977	98	70-130	23	35	mg/kg	02.02.2021 03:37	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	84		96		99		70-130	%	02.02.2021 03:37
4-Bromofluorobenzene	85		102		119		70-130	%	02.02.2021 03:37

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 686360

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149662 — Matrix: Solid — Date Prep: 02.01.2021
MB Sample Id: 7720560-1-BLK — LCS Sample Id: 7720560-1-BKS — LCSD Sample Id: 7720560-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.102	102	0.0917	92	70-130	11	35	mg/kg	02.01.2021 13:15	
Toluene	<0.00200	0.100	0.108	108	0.0948	95	70-130	13	35	mg/kg	02.01.2021 13:15	
Ethylbenzene	<0.00200	0.100	0.109	109	0.0992	99	70-130	9	35	mg/kg	02.01.2021 13:15	
m,p-Xylenes	<0.00400	0.200	0.224	112	0.206	103	70-130	8	35	mg/kg	02.01.2021 13:15	
o-Xylene	<0.00200	0.100	0.109	109	0.101	101	70-130	8	35	mg/kg	02.01.2021 13:15	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	72		81		79		70-130	%	02.01.2021 13:15
4-Bromofluorobenzene	92		133	**	124		70-130	%	02.01.2021 13:15

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149805 — Matrix: Solid — Date Prep: 02.02.2021
MB Sample Id: 7720645-1-BLK — LCS Sample Id: 7720645-1-BKS — LCSD Sample Id: 7720645-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.108	108	0.0985	99	70-130	9	35	mg/kg	02.02.2021 16:38	
Toluene	<0.00200	0.100	0.103	103	0.0938	94	70-130	9	35	mg/kg	02.02.2021 16:38	
Ethylbenzene	<0.00200	0.100	0.108	108	0.0983	98	70-130	9	35	mg/kg	02.02.2021 16:38	
m,p-Xylenes	<0.00400	0.200	0.213	107	0.193	97	70-130	10	35	mg/kg	02.02.2021 16:38	
o-Xylene	<0.00200	0.100	0.105	105	0.0949	95	70-130	10	35	mg/kg	02.02.2021 16:38	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	90		101		101		70-130	%	02.02.2021 16:38
4-Bromofluorobenzene	106		98		96		70-130	%	02.02.2021 16:38

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149813 — Matrix: Soil — Date Prep: 02.02.2020
Parent Sample Id: 686399-001 — MS Sample Id: 686399-001 S — MSD Sample Id: 686399-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	0.00214	0.100	0.0245	22	0.0682	66	70-130	94	35	mg/kg	02.02.2021 04:29	XF
Toluene	0.00318	0.100	0.0286	25	0.0679	65	70-130	81	35	mg/kg	02.02.2021 04:29	XF
Ethylbenzene	0.00161	0.100	0.0267	25	0.0524	51	70-130	65	35	mg/kg	02.02.2021 04:29	XF
m,p-Xylenes	0.00279	0.200	0.0584	28	0.108	53	70-130	60	35	mg/kg	02.02.2021 04:29	XF
o-Xylene	0.00394	0.100	0.0310	27	0.0584	54	70-130	61	35	mg/kg	02.02.2021 04:29	XF

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	89		88		70-130	%	02.02.2021 04:29
4-Bromofluorobenzene	108		136	**	70-130	%	02.02.2021 04:29

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 686360

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3149662 Matrix: Soil Date Prep: 02.01.2021
Parent Sample Id: 686362-001 MS Sample Id: 686362-001 S MSD Sample Id: 686362-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0519	52	0.0735	74	70-130	34	35	mg/kg	02.01.2021 14:05	X
Toluene	<0.00200	0.0998	0.0587	59	0.0807	81	70-130	32	35	mg/kg	02.01.2021 14:05	X
Ethylbenzene	<0.00200	0.0998	0.0577	58	0.0759	76	70-130	27	35	mg/kg	02.01.2021 14:05	X
m,p-Xylenes	0.00186	0.200	0.119	59	0.154	76	70-130	26	35	mg/kg	02.01.2021 14:05	X
o-Xylene	<0.00200	0.0998	0.0604	61	0.0767	77	70-130	24	35	mg/kg	02.01.2021 14:05	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	82		83		70-130	%	02.01.2021 14:05
4-Bromofluorobenzene	137	**	134	**	70-130	%	02.01.2021 14:05

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3149805 Matrix: Soil Date Prep: 02.02.2021
Parent Sample Id: 686989-001 MS Sample Id: 686989-001 S MSD Sample Id: 686989-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0493	49	0.0437	44	70-130	12	35	mg/kg	02.02.2021 17:18	X
Toluene	<0.00200	0.0998	0.0277	28	0.0247	25	70-130	11	35	mg/kg	02.02.2021 17:18	X
Ethylbenzene	<0.00200	0.0998	0.0170	17	0.0144	14	70-130	17	35	mg/kg	02.02.2021 17:18	X
m,p-Xylenes	<0.00399	0.200	0.0321	16	0.0280	14	70-130	14	35	mg/kg	02.02.2021 17:18	X
o-Xylene	<0.00200	0.0998	0.0167	17	0.0161	16	70-130	4	35	mg/kg	02.02.2021 17:18	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	107		106		70-130	%	02.02.2021 17:18
4-Bromofluorobenzene	87		88		70-130	%	02.02.2021 17:18

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 686346

www.xenco.com Page 1 of 2

Project Manager:	Joel Lowry	Bill to: (if different)	Solaris Water Midstream C/O Rob Kirk
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to: PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level I ☐ Level II ☐ PST/US ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	X
Project Location	Rural Eddy Co., NM	Rush:	☐
Sampler's Name:	Tyler Griffin	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	1.6	Thermometer ID	IR8	
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-.5	
Sample Custody Seals:	Yes No N/A	Total Containers:		

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)	Sample Comments
FL125 @ 0-6"	Soil	1/26/2021		0-6"	1/NO	X	X	X	
FL126 @ 0-6"	Soil	1/26/2021		0-6"	1/NO	X	X	X	
FL127 @ 0-6"	Soil	1/26/2021		0-6"	1/NO	X	X	X	
FL128 @ 0-6"	Soil	1/26/2021		0-6"	1/NO	X	X	X	
FL129 @ 0-6"	Soil	1/26/2021		0-6"	1/NO	X	X	X	
FL130 @ 2'	Soil	1/26/2021		2'	1/NO	X	X	X	
FL131 @ 2'	Soil	1/26/2021		2'	1/NO	X	X	X	
FL132 @ 2'	Soil	1/26/2021		2'	1/NO	X	X	X	
FL133 @ 2'	Soil	1/26/2021		2'	1/NO	X	X	X	
FL134 @ 2'	Soil	1/26/2021		2'	1/NO	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		3:29 1-27	2		1/28/21 1200
3			4		
5			6		

Revised Date101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
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Chain of Custody

XENCO LABORATORIES
Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 486360

www.xenco.com Page 2 of 2

Project Manager:	Joel Lowry	Bill to: (if different)	Solaris Water Midstream C/O Rob Kirk
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to: PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/US ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☒
Project Location	Rural Eddy Co., NM	Rush:	☐
Sampler's Name:	Tyler Griffin	Due Date:	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):	1.0	Thermometer ID	IR8
Received Intact:	Yes No		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	.5
Sample Custody Seals:	Yes No N/A	Total Containers:	

ANALYSIS REQUEST

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)	Sample Comments
FL135 @ 2'	Soil	1/26/2021		2'	1/NO	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		3:29 1-27	2		1/28/21 1220
3			4		
5			6		

Revised Date101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Final 1.000
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Released to Imaging: 7/22/2021 3:04:17 PM

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 01.28.2021 12.20.00 PM

Work Order #: 686360

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	.6
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6*Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**No**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#13 Samples properly preserved?	**Yes**
#14 Sample container(s) intact?	**Yes**
#15 Sufficient sample amount for indicated test(s)?	**Yes**
#16 All samples received within hold time?	**Yes**
#17 Subcontract of sample(s)?	**N/A**
#18 Water VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 01.28.2021

Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 01.28.2021

Jessica Kramer

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Certificate of Analysis Summary 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Wed 01.27.2021 15:15
Report Date: 02.03.2021 16:13
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	686393-001		686393-002		686393-003		686393-004		686393-005		686393-006	
	Field Id:	FL 136 @ 2'		FL 137 @ 2'		FL 138 @ 2'		FL 139 @ 2'		FL 140 @ 2'		FL 141 @ 2'	
	Depth:	2- ft		2- ft		2- ft		2- ft		2- ft		2- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.27.2021 00:00		01.27.2021 00:00		01.27.2021 00:00		01.27.2021 00:00		01.27.2021 00:00		01.27.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.29.2021 15:08		01.29.2021 15:08		01.29.2021 15:08		01.29.2021 15:08		01.29.2021 15:08		01.29.2021 15:08	
	Analyzed:	01.30.2021 03:19		01.30.2021 04:39		01.30.2021 05:02		01.30.2021 05:24		01.30.2021 05:47		01.30.2021 06:09	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202
Toluene		<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202
Ethylbenzene		<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202
m,p-Xylenes		<0.00398	0.00398	<0.00399	0.00399	<0.00398	0.00398	<0.00399	0.00399	<0.00401	0.00401	<0.00403	0.00403
o-Xylene		<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202
Total Xylenes		<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202
Total BTEX		<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202
Inorganic Anions by EPA 300	***Extracted:***	01.29.2021 12:46		01.29.2021 12:46		01.29.2021 12:46		01.29.2021 12:46		01.29.2021 12:46		01.29.2021 12:46	
	Analyzed:	01.29.2021 16:47		01.29.2021 16:53		01.29.2021 17:10		01.29.2021 17:16		01.29.2021 17:33		01.29.2021 17:38	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		23.4	10.0	40.0	9.90	41.0	10.1	16.9	10.1	15.8	9.92	28.8	10.0
TPH by SW8015 Mod SUB: T104704400-20-21	***Extracted:***	02.02.2021 12:00		02.02.2021 12:00		02.02.2021 12:00		02.02.2021 12:00		02.02.2021 12:00		02.02.2021 12:00	
	Analyzed:	02.02.2021 12:47		02.02.2021 13:50		02.02.2021 14:11		02.02.2021 14:32		02.02.2021 14:53		02.02.2021 15:14	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<49.9	49.9	<50.0	50.0	<49.9	49.9	<49.9	49.9	<49.8	49.8
Diesel Range Organics (DRO)		<49.9	49.9	<49.9	49.9	<50.0	50.0	<49.9	49.9	<49.9	49.9	<49.8	49.8
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<49.9	49.9	<50.0	50.0	<49.9	49.9	<49.9	49.9	<49.8	49.8
Total TPH		<49.9	49.9	<49.9	49.9	<50.0	50.0	<49.9	49.9	<49.9	49.9	<49.8	49.8

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Wed 01.27.2021 15:15
Report Date: 02.03.2021 16:13
Project Manager: Jessica Kramer

Analysis Requested											
	Lab Id:	686393-007		686393-008		686393-009					
	Field Id:	FL 142 @ 2'		FL 143 @ 2'		FL 144 @ 2'					
	Depth:	2- ft		2- ft		2- ft					
	Matrix:	SOIL		SOIL		SOIL					
	Sampled:	01.27.2021 00:00		01.27.2021 00:00		01.27.2021 00:00					
BTEX by EPA 8021B	***Extracted:***	01.29.2021 15:08		01.29.2021 15:08		01.29.2021 15:08					
	Analyzed:	01.30.2021 06:31		01.30.2021 06:54		01.30.2021 07:16					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Benzene		<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202				
Toluene		<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202				
Ethylbenzene		<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202				
m,p-Xylenes		<0.00400	0.00400	<0.00403	0.00403	<0.00404	0.00404				
o-Xylene		<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202				
Total Xylenes		<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202				
Total BTEX		<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202				
Inorganic Anions by EPA 300	***Extracted:***	01.29.2021 12:46		01.29.2021 12:46		01.29.2021 12:46					
	Analyzed:	01.29.2021 17:44		01.29.2021 17:50		01.29.2021 17:55					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		14.6	10.0	14.6	10.1	14.1	10.1				
TPH by SW8015 Mod SUB: T104704400-20-21	***Extracted:***	02.02.2021 12:00		02.02.2021 12:00		02.02.2021 12:00					
	Analyzed:	02.02.2021 15:41		02.02.2021 16:02		02.02.2021 16:23					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9				
Diesel Range Organics (DRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9				
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9				
Total TPH		<50.0	50.0	<50.0	50.0	<49.9	49.9				

BRL - Below Reporting Limit

Jessica Kramer

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Analytical Report 686393

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

Landes Pond Release

13261

02.03.2021

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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02.03.2021

Project Manager: **PM**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **686393**
Landes Pond Release
Project Address: Rural Eddy County

PM :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 686393. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 686393 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
FL 136 @ 2'	S	01.27.2021 00:00	2 ft	686393-001
FL 137 @ 2'	S	01.27.2021 00:00	2 ft	686393-002
FL 138 @ 2'	S	01.27.2021 00:00	2 ft	686393-003
FL 139 @ 2'	S	01.27.2021 00:00	2 ft	686393-004
FL 140 @ 2'	S	01.27.2021 00:00	2 ft	686393-005
FL 141 @ 2'	S	01.27.2021 00:00	2 ft	686393-006
FL 142 @ 2'	S	01.27.2021 00:00	2 ft	686393-007
FL 143 @ 2'	S	01.27.2021 00:00	2 ft	686393-008
FL 144 @ 2'	S	01.27.2021 00:00	2 ft	686393-009

CASE NARRATIVE

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Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Landes Pond Release

Project ID: *13261*
Work Order Number(s): *686393*

Report Date: *02.03.2021*
Date Received: *01.27.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

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Certificate of Analytical Results 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 136 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 15:15
Lab Sample Id:	686393-001	Date Collected:	01.27.2021 00:00	Sample Depth:	2 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: MAB

Analyst: MAB — Date Prep: 01.29.2021 12:46 — % Moisture:

Seq Number: 3149461 — Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**23.4**	10.0	mg/kg	01.29.2021 16:47		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM

Analyst: ARM — Date Prep: 02.02.2021 12:00 — % Moisture:

Seq Number: 3149862 — Basis: Wet Weight

SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.02.2021 12:47	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.02.2021 12:47	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.02.2021 12:47	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.02.2021 12:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-130	02.02.2021 12:47	
o-Terphenyl	84-15-1	111	%	70-130	02.02.2021 12:47	

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Certificate of Analytical Results 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 136 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 15:15
Lab Sample Id:	686393-001	Date Collected:	01.27.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.29.2021 15:08	% Moisture:	
Seq Number:	3149458			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.30.2021 03:19	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.30.2021 03:19	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.30.2021 03:19	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.30.2021 03:19	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.30.2021 03:19	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.30.2021 03:19	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.30.2021 03:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	104	%	70-130	01.30.2021 03:19	
1,4-Difluorobenzene	540-36-3	95	%	70-130	01.30.2021 03:19	

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Certificate of Analytical Results 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 137 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 15:15
Lab Sample Id:	686393-002	Date Collected:	01.27.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.29.2021 12:46	% Moisture:	
Seq Number:	3149461			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**40.0**	9.90	mg/kg	01.29.2021 16:53		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.02.2021 12:00	% Moisture:	
Seq Number:	3149862			Basis:	Wet Weight
				SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.02.2021 13:50	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.02.2021 13:50	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.02.2021 13:50	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.02.2021 13:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	79	%	70-130	02.02.2021 13:50	
o-Terphenyl	84-15-1	107	%	70-130	02.02.2021 13:50	

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Certificate of Analytical Results 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 137 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 15:15
Lab Sample Id:	686393-002	Date Collected:	01.27.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.29.2021 15:08	% Moisture:	
Seq Number:	3149458			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.30.2021 04:39	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.30.2021 04:39	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.30.2021 04:39	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.30.2021 04:39	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.30.2021 04:39	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.30.2021 04:39	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.30.2021 04:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	109	%	70-130	01.30.2021 04:39	
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.30.2021 04:39	

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Certificate of Analytical Results 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 138 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 15:15
Lab Sample Id:	686393-003	Date Collected:	01.27.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.29.2021 12:46	% Moisture:	
Seq Number:	3149461			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**41.0**	10.1	mg/kg	01.29.2021 17:10		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.02.2021 12:00	% Moisture:	
Seq Number:	3149862			Basis:	Wet Weight
				SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.02.2021 14:11	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.02.2021 14:11	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.02.2021 14:11	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.02.2021 14:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	80	%	70-130	02.02.2021 14:11	
o-Terphenyl	84-15-1	112	%	70-130	02.02.2021 14:11	

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Certificate of Analytical Results 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 138 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 15:15
Lab Sample Id:	686393-003	Date Collected:	01.27.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.29.2021 15:08	% Moisture:	
Seq Number:	3149458			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.30.2021 05:02	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.30.2021 05:02	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.30.2021 05:02	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.30.2021 05:02	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.30.2021 05:02	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.30.2021 05:02	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.30.2021 05:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	107	%	70-130	01.30.2021 05:02	
1,4-Difluorobenzene	540-36-3	99	%	70-130	01.30.2021 05:02	

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Certificate of Analytical Results 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 139 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 15:15
Lab Sample Id:	686393-004	Date Collected:	01.27.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.29.2021 12:46	% Moisture:	
Seq Number:	3149461			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**16.9**	10.1	mg/kg	01.29.2021 17:16		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.02.2021 12:00	% Moisture:	
Seq Number:	3149862			Basis:	Wet Weight
				SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.02.2021 14:32	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.02.2021 14:32	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.02.2021 14:32	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.02.2021 14:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-130	02.02.2021 14:32	
o-Terphenyl	84-15-1	115	%	70-130	02.02.2021 14:32	

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Certificate of Analytical Results 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 139 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 15:15
Lab Sample Id:	686393-004	Date Collected:	01.27.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.29.2021 15:08	% Moisture:	
Seq Number:	3149458			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.30.2021 05:24	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.30.2021 05:24	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.30.2021 05:24	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.30.2021 05:24	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.30.2021 05:24	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.30.2021 05:24	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.30.2021 05:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	110	%	70-130	01.30.2021 05:24	
1,4-Difluorobenzene	540-36-3	111	%	70-130	01.30.2021 05:24	

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Certificate of Analytical Results 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 140 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 15:15
Lab Sample Id:	686393-005	Date Collected:	01.27.2021 00:00	Sample Depth:	2 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: MAB
Analyst: MAB
Seq Number: 3149461

Date Prep: 01.29.2021 12:46

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**15.8**	9.92	mg/kg	01.29.2021 17:33		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3149862

Date Prep: 02.02.2021 12:00

% Moisture:
Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.02.2021 14:53	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.02.2021 14:53	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.02.2021 14:53	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.02.2021 14:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-130	02.02.2021 14:53	
o-Terphenyl	84-15-1	108	%	70-130	02.02.2021 14:53	

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Certificate of Analytical Results 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 140 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 15:15
Lab Sample Id:	686393-005	Date Collected:	01.27.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.29.2021 15:08	% Moisture:	
Seq Number:	3149458			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.30.2021 05:47	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.30.2021 05:47	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.30.2021 05:47	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.30.2021 05:47	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.30.2021 05:47	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.30.2021 05:47	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.30.2021 05:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	01.30.2021 05:47	
4-Bromofluorobenzene	460-00-4	109	%	70-130	01.30.2021 05:47	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 141 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 15:15
Lab Sample Id:	686393-006	Date Collected:	01.27.2021 00:00	Sample Depth:	2 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 01.29.2021 12:46 % Moisture:

Seq Number: 3149461 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**28.8**	10.0	mg/kg	01.29.2021 17:38		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.02.2021 12:00 % Moisture:

Seq Number: 3149862 Basis: Wet Weight

SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.02.2021 15:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.02.2021 15:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.02.2021 15:14	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.02.2021 15:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-130	02.02.2021 15:14	
o-Terphenyl	84-15-1	123	%	70-130	02.02.2021 15:14	

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Certificate of Analytical Results 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 141 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 15:15
Lab Sample Id:	686393-006	Date Collected:	01.27.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.29.2021 15:08	% Moisture:	
Seq Number:	3149458			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.30.2021 06:09	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.30.2021 06:09	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.30.2021 06:09	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.30.2021 06:09	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.30.2021 06:09	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.30.2021 06:09	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.30.2021 06:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	109	%	70-130	01.30.2021 06:09	
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.30.2021 06:09	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id: **FL 142 @ 2'** Matrix: Soil Date Received:01.27.2021 15:15
Lab Sample Id: 686393-007 Date Collected: 01.27.2021 00:00 Sample Depth: 2 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 01.29.2021 12:46 % Moisture:
Seq Number: 3149461 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**14.6**	10.0	mg/kg	01.29.2021 17:44		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DVM
Analyst: ARM Date Prep: 02.02.2021 12:00 % Moisture:
Seq Number: 3149862 Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.02.2021 15:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.02.2021 15:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.02.2021 15:41	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.02.2021 15:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	78	%	70-130	02.02.2021 15:41	
o-Terphenyl	84-15-1	110	%	70-130	02.02.2021 15:41	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 142 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 15:15
Lab Sample Id:	686393-007	Date Collected:	01.27.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.29.2021 15:08	% Moisture:	
Seq Number:	3149458			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.30.2021 06:31	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.30.2021 06:31	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.30.2021 06:31	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	01.30.2021 06:31	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.30.2021 06:31	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.30.2021 06:31	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.30.2021 06:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	113	%	70-130	01.30.2021 06:31	
1,4-Difluorobenzene	540-36-3	103	%	70-130	01.30.2021 06:31	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 143 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 15:15
Lab Sample Id:	686393-008	Date Collected:	01.27.2021 00:00	Sample Depth:	2 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: MAB
Analyst: MAB
Seq Number: 3149461

Date Prep: 01.29.2021 12:46

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**14.6**	10.1	mg/kg	01.29.2021 17:50		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3149862

Date Prep: 02.02.2021 12:00

% Moisture:
Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.02.2021 16:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.02.2021 16:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.02.2021 16:02	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.02.2021 16:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-130	02.02.2021 16:02	
o-Terphenyl	84-15-1	118	%	70-130	02.02.2021 16:02	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 143 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 15:15
Lab Sample Id:	686393-008	Date Collected:	01.27.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.29.2021 15:08	% Moisture:	
Seq Number:	3149458			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.30.2021 06:54	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.30.2021 06:54	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.30.2021 06:54	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.30.2021 06:54	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.30.2021 06:54	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.30.2021 06:54	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.30.2021 06:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	110	%	70-130	01.30.2021 06:54	
1,4-Difluorobenzene	540-36-3	110	%	70-130	01.30.2021 06:54	

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Certificate of Analytical Results 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 144 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 15:15
Lab Sample Id:	686393-009	Date Collected:	01.27.2021 00:00	Sample Depth:	2 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: MAB
Analyst: MAB
Seq Number: 3149461

Date Prep: 01.29.2021 12:46

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**14.1**	10.1	mg/kg	01.29.2021 17:55		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3149862

Date Prep: 02.02.2021 12:00

% Moisture:
Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.02.2021 16:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.02.2021 16:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.02.2021 16:23	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.02.2021 16:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	84	%	70-130	02.02.2021 16:23	
o-Terphenyl	84-15-1	106	%	70-130	02.02.2021 16:23	

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Certificate of Analytical Results 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 144 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 15:15
Lab Sample Id:	686393-009	Date Collected:	01.27.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.29.2021 15:08	% Moisture:	
Seq Number:	3149458			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.30.2021 07:16	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.30.2021 07:16	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.30.2021 07:16	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	01.30.2021 07:16	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.30.2021 07:16	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.30.2021 07:16	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.30.2021 07:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	108	%	70-130	01.30.2021 07:16	
4-Bromofluorobenzene	460-00-4	114	%	70-130	01.30.2021 07:16	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 686393

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149461 — Matrix: Solid — Date Prep: 01.29.2021
MB Sample Id: 7720389-1-BLK — LCS Sample Id: 7720389-1-BKS — LCSD Sample Id: 7720389-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	200	209	105	206	103	90-110	1	20	mg/kg	01.29.2021 15:05	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149461 — Matrix: Soil — Date Prep: 01.29.2021
Parent Sample Id: 686393-002 — MS Sample Id: 686393-002 S — MSD Sample Id: 686393-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	40.0	202	248	103	250	104	90-110	1	20	mg/kg	01.29.2021 16:59	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149461 — Matrix: Soil — Date Prep: 01.29.2021
Parent Sample Id: 686408-001 — MS Sample Id: 686408-001 S — MSD Sample Id: 686408-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	16.6	202	222	102	219	101	90-110	1	20	mg/kg	01.29.2021 15:39	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149862 — Matrix: Solid — Date Prep: 02.02.2021
MB Sample Id: 7720660-1-BLK — LCS Sample Id: 7720660-1-BKS — LCSD Sample Id: 7720660-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	843	84	870	87	70-130	3	20	mg/kg	02.02.2021 12:05	
Diesel Range Organics (DRO)	<50.0	1000	852	85	837	84	70-130	2	20	mg/kg	02.02.2021 12:05	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	82		83		76		70-130	%	02.02.2021 12:05
o-Terphenyl	111		101		92		70-130	%	02.02.2021 12:05

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149862 — Matrix: Solid — Date Prep: 02.02.2021
MB Sample Id: 7720660-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.02.2021 11:45	

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 686393

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149862 — Matrix: Soil — Date Prep: 02.02.2021
Parent Sample Id: 686393-001 — MS Sample Id: 686393-001 S — MSD Sample Id: 686393-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	842	84	878	88	70-130	4	20	mg/kg	02.02.2021 13:08	
Diesel Range Organics (DRO)	<49.9	997	823	83	835	84	70-130	1	20	mg/kg	02.02.2021 13:08	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	84		87		70-130	%	02.02.2021 13:08
o-Terphenyl	101		100		70-130	%	02.02.2021 13:08

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149458 — Matrix: Solid — Date Prep: 01.29.2021
MB Sample Id: 7720348-1-BLK — LCS Sample Id: 7720348-1-BKS — LCSD Sample Id: 7720348-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0892	89	0.0956	96	70-130	7	35	mg/kg	01.29.2021 21:53	
Toluene	<0.00200	0.100	0.0880	88	0.0909	91	70-130	3	35	mg/kg	01.29.2021 21:53	
Ethylbenzene	<0.00200	0.100	0.0893	89	0.0949	95	71-129	6	35	mg/kg	01.29.2021 21:53	
m,p-Xylenes	<0.00400	0.200	0.182	91	0.191	96	70-135	5	35	mg/kg	01.29.2021 21:53	
o-Xylene	<0.00200	0.100	0.0906	91	0.0972	97	71-133	7	35	mg/kg	01.29.2021 21:53	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104		95		96		70-130	%	01.29.2021 21:53
4-Bromofluorobenzene	103		97		98		70-130	%	01.29.2021 21:53

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149458 — Matrix: Soil — Date Prep: 01.29.2021
Parent Sample Id: 686408-001 — MS Sample Id: 686408-001 S — MSD Sample Id: 686408-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0994	99	0.0977	97	70-130	2	35	mg/kg	01.29.2021 22:38	
Toluene	<0.00200	0.100	0.101	101	0.0984	97	70-130	3	35	mg/kg	01.29.2021 22:38	
Ethylbenzene	<0.00200	0.100	0.104	104	0.0988	98	71-129	5	35	mg/kg	01.29.2021 22:38	
m,p-Xylenes	<0.00401	0.200	0.212	106	0.197	98	70-135	7	35	mg/kg	01.29.2021 22:38	
o-Xylene	<0.00200	0.100	0.106	106	0.101	100	71-133	5	35	mg/kg	01.29.2021 22:38	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		94		70-130	%	01.29.2021 22:38
4-Bromofluorobenzene	100		98		70-130	%	01.29.2021 22:38

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

Page 642 of 1721

Chain of Custody

Work Order No: 686393

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Craslbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701 www.xenco.com

Page 1 of 1

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	ETech Environmental & Safety	Company Name:	Solaris
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	PM@etechenv.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Candles Road Release	Turn Around	
Project Number:	13761	Routine	☑
Project Location	Rural Eddy county	Rush:	
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):	5.8 / 5.6	Thermometer ID	
Received Intact:	Yes No	NM-007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Total Containers:	9

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Pres. Code	Chlorides	BTEX	TPH	Sample Comments
	FL 136 @ 2'	S	1.27.21		2'	1		X	X	X	
	FL 137 @ 2'	S	1.27.21		2'	1		X	X	X	
	FL 138 @ 2'	S	1.27.21		2'	1		X	X	X	
	FL 139 @ 2'	S	1.27.21		2'	1		X	X	X	
	FL 140 @ 2'	S	1.27.21		2'	1		X	X	X	
	FL 141 @ 2'	S	1.27.21		2'	1		X	X	X	
	FL 142 @ 2'	S	1.27.21		2'	1		X	X	X	
	FL 143 @ 2'	S	1.27.21		2'	1		X	X	X	
	FL 144 @ 2'	S	1.27.21		2'	1		X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
	Clue Cuffle	1.27.21 1515	2		
			4		
			6		

Revised Date 022619 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Page 28 of 31
Final 1.000
Released to Imaging: 7/22/2021 3:04:17 PM

Inter-Office Shipment

IOS Number : 77258

Date/Time:	01.28.2021	Created by:	Cloe Clifton	Please send report to:	Jessica Kramer
Lab# From:	**Carlsbad**	Delivery Priority:		Address:	1089 N Canal Street
Lab# To:	**Midland**	Air Bill No.:	772762019427	E-Mail:	jessica.kramer@eurofinset.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
686393-001	S	FL 136 @ 2'	01.27.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	02.02.2021	02.10.2021	JKR	PHCC10C28 PHCC28C3	
686393-002	S	FL 137 @ 2'	01.27.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	02.02.2021	02.10.2021	JKR	PHCC10C28 PHCC28C3	
686393-003	S	FL 138 @ 2'	01.27.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	02.02.2021	02.10.2021	JKR	PHCC10C28 PHCC28C3	
686393-004	S	FL 139 @ 2'	01.27.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	02.02.2021	02.10.2021	JKR	PHCC10C28 PHCC28C3	
686393-005	S	FL 140 @ 2'	01.27.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	02.02.2021	02.10.2021	JKR	PHCC10C28 PHCC28C3	
686393-006	S	FL 141 @ 2'	01.27.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	02.02.2021	02.10.2021	JKR	PHCC10C28 PHCC28C3	
686393-007	S	FL 142 @ 2'	01.27.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	02.02.2021	02.10.2021	JKR	PHCC10C28 PHCC28C3	
686393-008	S	FL 143 @ 2'	01.27.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	02.02.2021	02.10.2021	JKR	PHCC10C28 PHCC28C3	
686393-009	S	FL 144 @ 2'	01.27.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	02.02.2021	02.10.2021	JKR	PHCC10C28 PHCC28C3	

Inter Office Shipment or Sample Comments:

Relinquished By: Cloe Clifton

Date Relinquished: 01.28.2021

Received By: Jessica Kramer

Date Received: 01.29.2021

Cooler Temperature: 0.3

Environment Testing Xenco

Eurofins Xenco, LLC

Inter Office Report- Sample Receipt Checklist

Sent To: Midland

IOS #: 77258

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used :

Sent By: Cloe Clifton **Date Sent:** 01.28.2021 02.48 PM

Received By: Jessica Kramer **Date Received:** 01.29.2021 10.34 AM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	.3	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 *Custody Seals Signed and dated for Containers/coolers	**Yes**	
#6 *IOS present?	**Yes**	
#7 Any missing/extra samples?	**No**	
#8 IOS agrees with sample label(s)/matrix?	**Yes**	
#9 Sample matrix/ properties agree with IOS?	**Yes**	
#10 Samples in proper container/ bottle?	**Yes**	
#11 Samples properly preserved?	**Yes**	
#12 Sample container(s) intact?	**Yes**	
#13 Sufficient sample amount for indicated test(s)?	**Yes**	
#14 All samples received within hold time?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date:** _____

Checklist reviewed by: Jessica Kramer Date: 01.29.2021

Jessica Kramer

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 01.27.2021 03.15.00 PM

Work Order #: 686393

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	5.6	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	Samples received in bulk containers.
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**Yes**	TPH sent to Midland.
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 01.28.2021

Checklist reviewed by: Jessica Kramer Date: 01.28.2021

Jessica Kramer

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Certificate of Analysis Summary 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co.,NM

Date Received in Lab: Wed 02.03.2021 12:11
Report Date: 02.11.2021 13:03
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	687057-001		687057-002		687057-003		687057-004		687057-005		687057-006	
	Field Id:	FL75 @ 2.5'		FL145 @ 2'		FL146b @ 2.5'		FL147 @ 1'		FL148 @ 1'		FL149 @ 1'	
	Depth:	2.5- ft		2- ft		2.5- ft		1- ft		1- ft		1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.29.2021 00:00		01.29.2021 00:00		01.29.2021 00:00		01.29.2021 00:00		01.29.2021 00:00		01.29.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	02.04.2021 08:00		02.04.2021 08:00		02.04.2021 08:00		02.04.2021 08:00		02.04.2021 08:00		02.04.2021 08:00	
	Analyzed:	02.04.2021 13:25		02.04.2021 13:50		02.04.2021 14:15		02.04.2021 14:41		02.04.2021 15:06		02.04.2021 15:32	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
Toluene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
m,p-Xylenes		<0.00399	0.00399	<0.00398	0.00398	<0.00399	0.00399	<0.00401	0.00401	<0.00402	0.00402	<0.00401	0.00401
o-Xylene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
Total Xylenes		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
Total BTEX		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
Inorganic Anions by EPA 300	***Extracted:***	02.03.2021 17:05		02.03.2021 17:05		02.03.2021 17:05		02.03.2021 17:05		02.03.2021 17:05		02.03.2021 17:05	
	Analyzed:	02.03.2021 17:51		02.03.2021 17:56		02.03.2021 18:12		02.03.2021 18:17		02.03.2021 18:22		02.03.2021 18:27	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		65.2	49.7	24.0	4.97	15.6	4.95	6.11	5.03	19.4	5.01	23.9	4.99
TPH by SW8015 Mod	***Extracted:***	02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00	
	Analyzed:	02.05.2021 22:12		02.05.2021 23:15		02.05.2021 23:37		02.05.2021 23:58		02.06.2021 00:20		02.06.2021 00:41	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0
Diesel Range Organics (DRO)		<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0
Total TPH		<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co.,NM

Date Received in Lab: Wed 02.03.2021 12:11
Report Date: 02.11.2021 13:03
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	687057-007		687057-008		687057-009		687057-010		687057-011		687057-012	
	Field Id:	FL150 @ 1'		FL151@ 6"		FL152 @ 6"		FL153 @ 6"		FL154 @ 6"		FL155 @ 6"	
	Depth:	1- ft		6- In		6- In		6- In		6- In		6- In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.29.2021 00:00		01.29.2021 00:00		01.29.2021 00:00		01.29.2021 00:00		01.29.2021 00:00		01.29.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	02.04.2021 08:00		02.04.2021 08:00		02.04.2021 08:00		02.04.2021 08:00		02.04.2021 08:00		02.04.2021 08:00	
	Analyzed:	02.04.2021 15:57		02.04.2021 16:22		02.04.2021 16:48		02.04.2021 18:29		02.04.2021 18:55		02.04.2021 19:20	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00201	0.00201	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00201	0.00201
Toluene		<0.00201	0.00201	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00201	0.00201
Ethylbenzene		<0.00201	0.00201	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00201	0.00201
m,p-Xylenes		<0.00402	0.00402	<0.00402	0.00402	<0.00398	0.00398	<0.00398	0.00398	<0.00402	0.00402	<0.00402	0.00402
o-Xylene		<0.00201	0.00201	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00201	0.00201
Total Xylenes		<0.00201	0.00201	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00201	0.00201
Total BTEX		<0.00201	0.00201	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00201	0.00201
Inorganic Anions by EPA 300	***Extracted:***	02.03.2021 17:05		02.03.2021 17:05		02.03.2021 17:05		02.03.2021 17:05		02.03.2021 17:05		02.03.2021 17:05	
	Analyzed:	02.03.2021 18:32		02.03.2021 18:38		02.03.2021 18:53		02.03.2021 18:58		02.03.2021 19:14		02.03.2021 19:19	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		22.1	5.04	471	5.03	100	5.00	32.1	4.97	348	4.97	32.3	4.96
TPH by SW8015 Mod	***Extracted:***	02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00	
	Analyzed:	02.06.2021 01:03		02.06.2021 01:25		02.06.2021 01:46		02.06.2021 02:08		02.06.2021 02:51		02.06.2021 03:13	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<50.0	50.0
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<50.0	50.0
Total TPH		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co.,NM

Date Received in Lab: Wed 02.03.2021 12:11
Report Date: 02.11.2021 13:03
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	687057-013		687057-014		687057-015		687057-016		687057-017		687057-018	
	Field Id:	FL156b @ 1'		FL157 @ 6"		FL158b @ 1'		FL159 @ 6"		FL160 @ 6"		FL161 @ 6"	
	Depth:	1- ft		6- In		1- ft		6- In		6- In		6- In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.29.2021 00:00		01.29.2021 00:00		01.29.2021 00:00		01.29.2021 00:00		01.29.2021 00:00		01.29.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	02.04.2021 08:00		02.04.2021 08:00		02.04.2021 08:00		02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00	
	Analyzed:	02.04.2021 19:46		02.04.2021 20:12		02.04.2021 20:38		02.04.2021 00:12		02.04.2021 00:32		02.04.2021 00:53	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00199	0.00199	<0.00202	0.00202
Toluene		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00199	0.00199	<0.00202	0.00202
Ethylbenzene		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00199	0.00199	<0.00202	0.00202
m,p-Xylenes		<0.00402	0.00402	<0.00401	0.00401	<0.00402	0.00402	<0.00396	0.00396	<0.00398	0.00398	<0.00404	0.00404
o-Xylene		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00199	0.00199	<0.00202	0.00202
Total Xylenes		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00199	0.00199	<0.00202	0.00202
Total BTEX		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00199	0.00199	<0.00202	0.00202
Inorganic Anions by EPA 300	***Extracted:***	02.03.2021 17:05		02.03.2021 17:05		02.03.2021 17:05		02.03.2021 17:05		02.03.2021 17:05		02.04.2021 08:40	
	Analyzed:	02.03.2021 19:24		02.03.2021 19:29		02.03.2021 19:35		02.03.2021 19:40		02.03.2021 19:45		02.04.2021 09:35	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		15.0	5.05	87.7	5.05	15.4	4.99	37.2	4.99	120	4.99	19.8	5.03
TPH by SW8015 Mod	***Extracted:***	02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00	
	Analyzed:	02.06.2021 03:35		02.06.2021 03:56		02.06.2021 04:18		02.06.2021 04:40		02.06.2021 05:01		02.06.2021 05:22	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8
Diesel Range Organics (DRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8
Total TPH		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co.,NM

Date Received in Lab: Wed 02.03.2021 12:11
Report Date: 02.11.2021 13:03
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	687057-019		687057-020		687057-021		687057-022		687057-023		687057-024	
	Field Id:	FL162 @6"		FL163 @ 6"		FL164 @ 6"		FL165b @ 1'		FL166b @ 1'		FL167b @ 1'	
	Depth:	6- In		6- In		6- In		1- ft		1- ft		1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.29.2021 00:00		01.29.2021 00:00		01.29.2021 00:00		01.29.2021 00:00		01.29.2021 00:00		01.29.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00	
	Analyzed:	02.04.2021 01:13		02.04.2021 01:33		02.04.2021 01:54		02.04.2021 02:14		02.04.2021 02:35		02.04.2021 02:55	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
Toluene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
Ethylbenzene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
m,p-Xylenes		<0.00398	0.00398	<0.00400	0.00400	<0.00399	0.00399	<0.00396	0.00396	<0.00403	0.00403	<0.00401	0.00401
o-Xylene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
Total Xylenes		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
Total BTEX		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
Inorganic Anions by EPA 300	***Extracted:***	02.04.2021 08:40		02.04.2021 08:40		02.04.2021 08:40		02.04.2021 08:40		02.04.2021 08:40		02.04.2021 08:40	
	Analyzed:	02.04.2021 09:51		02.04.2021 09:56		02.04.2021 10:01		02.04.2021 10:06		02.04.2021 10:22		02.04.2021 10:27	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		35.2	4.99	146	4.97	98.8	4.95	19.8	5.04	145	5.00	70.0	5.00
TPH by SW8015 Mod	***Extracted:***	02.05.2021 17:00		02.05.2021 17:00		02.04.2021 12:20		02.04.2021 12:20		02.04.2021 12:20		02.04.2021 12:20	
	Analyzed:	02.06.2021 05:43		02.06.2021 06:04		02.05.2021 03:08		02.05.2021 03:29		02.05.2021 03:50		02.05.2021 04:11	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0
Total TPH		<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co.,NM

Date Received in Lab: Wed 02.03.2021 12:11
Report Date: 02.11.2021 13:03
Project Manager: Jessica Kramer

Analysis Requested											
	Lab Id:	687057-025		687057-026		687057-027					
	Field Id:	FL168 @ 6"		FL169 @ 6"		FL170b @ 1'					
	Depth:	6- In		6- In		1- ft					
	Matrix:	SOIL		SOIL		SOIL					
	Sampled:	01.29.2021 00:00		01.29.2021 00:00		01.29.2021 00:00					
BTEX by EPA 8021B	***Extracted:***	02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00					
	Analyzed:	02.04.2021 03:15		02.04.2021 04:38		02.04.2021 04:58					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Benzene		<0.00201	0.00201	<0.00199	0.00199	<0.00198	0.00198				
Toluene		<0.00201	0.00201	<0.00199	0.00199	<0.00198	0.00198				
Ethylbenzene		<0.00201	0.00201	<0.00199	0.00199	<0.00198	0.00198				
m,p-Xylenes		<0.00402	0.00402	<0.00398	0.00398	<0.00396	0.00396				
o-Xylene		<0.00201	0.00201	<0.00199	0.00199	<0.00198	0.00198				
Total Xylenes		<0.00201	0.00201	<0.00199	0.00199	<0.00198	0.00198				
Total BTEX		<0.00201	0.00201	<0.00199	0.00199	<0.00198	0.00198				
Inorganic Anions by EPA 300	***Extracted:***	02.04.2021 08:40		02.04.2021 08:40		02.04.2021 08:40					
	Analyzed:	02.04.2021 10:32		02.04.2021 10:37		02.04.2021 10:43					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		298	4.95	13.1	4.98	133	5.03				
TPH by SW8015 Mod	***Extracted:***	02.04.2021 12:20		02.04.2021 12:20		02.04.2021 12:20					
	Analyzed:	02.05.2021 04:32		02.05.2021 04:54		02.05.2021 05:15					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.0	50.0	<50.0	50.0				
Diesel Range Organics (DRO)		<50.0	50.0	<50.0	50.0	<50.0	50.0				
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0	<50.0	50.0				
Total TPH		<50.0	50.0	<50.0	50.0	<50.0	50.0				

BRL - Below Reporting Limit

Jessica Kramer

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Analytical Report 687057

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

Landes Pond Release

13261

02.11.2021

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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02.11.2021

Project Manager: **PM**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **687057**
Landes Pond Release
Project Address: Rural Eddy Co.,NM

PM :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 687057. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 687057 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

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Sample Cross Reference 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
FL75 @ 2.5'	S	01.29.2021 00:00	2.5 ft	687057-001
FL145 @ 2'	S	01.29.2021 00:00	2 ft	687057-002
FL146b @ 2.5'	S	01.29.2021 00:00	2.5 ft	687057-003
FL147 @ 1'	S	01.29.2021 00:00	1 ft	687057-004
FL148 @ 1'	S	01.29.2021 00:00	1 ft	687057-005
FL149 @ 1'	S	01.29.2021 00:00	1 ft	687057-006
FL150 @ 1'	S	01.29.2021 00:00	1 ft	687057-007
FL151@ 6"	S	01.29.2021 00:00	6 In	687057-008
FL152 @ 6"	S	01.29.2021 00:00	6 In	687057-009
FL153 @ 6"	S	01.29.2021 00:00	6 In	687057-010
FL154 @ 6"	S	01.29.2021 00:00	6 In	687057-011
FL155 @ 6"	S	01.29.2021 00:00	6 In	687057-012
FL156b @ 1'	S	01.29.2021 00:00	1 ft	687057-013
FL157 @ 6"	S	01.29.2021 00:00	6 In	687057-014
FL158b @ 1'	S	01.29.2021 00:00	1 ft	687057-015
FL159 @ 6"	S	01.29.2021 00:00	6 In	687057-016
FL160 @ 6"	S	01.29.2021 00:00	6 In	687057-017
FL161 @ 6"	S	01.29.2021 00:00	6 In	687057-018
FL162 @6"	S	01.29.2021 00:00	6 In	687057-019
FL163 @ 6"	S	01.29.2021 00:00	6 In	687057-020
FL164 @ 6"	S	01.29.2021 00:00	6 In	687057-021
FL165b @ 1'	S	01.29.2021 00:00	1 ft	687057-022
FL166b @ 1'	S	01.29.2021 00:00	1 ft	687057-023
FL167b @ 1'	S	01.29.2021 00:00	1 ft	687057-024
FL168 @ 6"	S	01.29.2021 00:00	6 In	687057-025
FL169 @ 6"	S	01.29.2021 00:00	6 In	687057-026
FL170b @ 1'	S	01.29.2021 00:00	1 ft	687057-027

CASE NARRATIVE

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Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Landes Pond Release

Project ID: *13261*
Work Order Number(s): *687057*

Report Date: *02.11.2021*
Date Received: *02.03.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3149951 BTEX by EPA 8021B

Lab Sample ID 687057-016 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 687057-016, -017, -018, -019, -020, -021, -022, -023, -024, -025, -026, -027.

The Laboratory Control Sample for Toluene, Benzene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3150089 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected; Samples affected are: 687057-003,687057-009,687057-007.

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Certificate of Analytical Results 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL75 @ 2.5'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-001	Date Collected:	01.29.2021 00:00	Sample Depth:	2.5 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.03.2021 17:05	% Moisture:	
Seq Number:	3149971			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**65.2**	49.7	mg/kg	02.03.2021 17:51		10

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.05.2021 22:12	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.05.2021 22:12	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.05.2021 22:12	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.05.2021 22:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-130	02.05.2021 22:12	
o-Terphenyl	84-15-1	113	%	70-130	02.05.2021 22:12	

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Certificate of Analytical Results 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL75 @ 2.5'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-001	Date Collected:	01.29.2021 00:00	Sample Depth:	2.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.04.2021 08:00	% Moisture:	
Seq Number:	3150089			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.2021 13:25	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.2021 13:25	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.2021 13:25	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.04.2021 13:25	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.2021 13:25	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.2021 13:25	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.2021 13:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	120	%	70-130	02.04.2021 13:25	
1,4-Difluorobenzene	540-36-3	104	%	70-130	02.04.2021 13:25	

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Certificate of Analytical Results 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL145 @ 2'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-002	Date Collected:	01.29.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.03.2021 17:05	% Moisture:	
Seq Number:	3149971			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**24.0**	4.97	mg/kg	02.03.2021 17:56		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.05.2021 23:15	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.05.2021 23:15	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.05.2021 23:15	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.05.2021 23:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-130	02.05.2021 23:15	
o-Terphenyl	84-15-1	108	%	70-130	02.05.2021 23:15	

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Certificate of Analytical Results 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL145 @ 2'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-002	Date Collected:	01.29.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.04.2021 08:00	% Moisture:	
Seq Number:	3150089			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.2021 13:50	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.2021 13:50	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.2021 13:50	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.2021 13:50	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.2021 13:50	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.2021 13:50	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.2021 13:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	99	%	70-130	02.04.2021 13:50	
4-Bromofluorobenzene	460-00-4	101	%	70-130	02.04.2021 13:50	

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Landes Pond Release

Sample Id:	**FL146b @ 2.5'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-003	Date Collected:	01.29.2021 00:00	Sample Depth:	2.5 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.03.2021 17:05	% Moisture:	
Seq Number:	3149971			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**15.6**	4.95	mg/kg	02.03.2021 18:12		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.05.2021 23:37	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.05.2021 23:37	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.05.2021 23:37	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.05.2021 23:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-130	02.05.2021 23:37	
o-Terphenyl	84-15-1	105	%	70-130	02.05.2021 23:37	

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Landes Pond Release

Sample Id:	**FL146b @ 2.5'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-003	Date Collected:	01.29.2021 00:00	Sample Depth:	2.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.04.2021 08:00	% Moisture: Basis:	Wet Weight
Seq Number:	3150089				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.2021 14:15	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.2021 14:15	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.2021 14:15	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.04.2021 14:15	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.2021 14:15	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.2021 14:15	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.2021 14:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	136	%	70-130	02.04.2021 14:15	**
1,4-Difluorobenzene	540-36-3	110	%	70-130	02.04.2021 14:15	

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Landes Pond Release

Sample Id:	**FL147 @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-004	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.03.2021 17:05	% Moisture:	
Seq Number:	3149971			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**6.11**	5.03	mg/kg	02.03.2021 18:17		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.05.2021 23:58	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.05.2021 23:58	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.05.2021 23:58	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.05.2021 23:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-130	02.05.2021 23:58	
o-Terphenyl	84-15-1	107	%	70-130	02.05.2021 23:58	

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Landes Pond Release

Sample Id:	**FL147 @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-004	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.04.2021 08:00	% Moisture:	
Seq Number:	3150089			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.2021 14:41	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.2021 14:41	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.2021 14:41	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.04.2021 14:41	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.2021 14:41	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.2021 14:41	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.2021 14:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	120	%	70-130	02.04.2021 14:41	
1,4-Difluorobenzene	540-36-3	103	%	70-130	02.04.2021 14:41	

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Landes Pond Release

Sample Id:	**FL148 @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-005	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.03.2021 17:05	% Moisture:	
Seq Number:	3149971			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**19.4**	5.01	mg/kg	02.03.2021 18:22		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 00:20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 00:20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 00:20	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 00:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-130	02.06.2021 00:20	
o-Terphenyl	84-15-1	111	%	70-130	02.06.2021 00:20	

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Landes Pond Release

Sample Id:	**FL148 @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-005	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.04.2021 08:00	% Moisture:	
Seq Number:	3150089			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.04.2021 15:06	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.04.2021 15:06	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.04.2021 15:06	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.04.2021 15:06	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.04.2021 15:06	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.04.2021 15:06	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.04.2021 15:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	107	%	70-130	02.04.2021 15:06	
1,4-Difluorobenzene	540-36-3	97	%	70-130	02.04.2021 15:06	

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Landes Pond Release

Sample Id:	**FL149 @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-006	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.03.2021 17:05	% Moisture:	
Seq Number:	3149971			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**23.9**	4.99	mg/kg	02.03.2021 18:27		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 00:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 00:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 00:41	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 00:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-130	02.06.2021 00:41	
o-Terphenyl	84-15-1	104	%	70-130	02.06.2021 00:41	

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Landes Pond Release

Sample Id:	**FL149 @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-006	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.04.2021 08:00	% Moisture:	
Seq Number:	3150089			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.2021 15:32	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.2021 15:32	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.2021 15:32	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.04.2021 15:32	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.2021 15:32	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.2021 15:32	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.2021 15:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	75	%	70-130	02.04.2021 15:32	
1,4-Difluorobenzene	540-36-3	90	%	70-130	02.04.2021 15:32	

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Landes Pond Release

Sample Id:	**FL150 @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-007	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.03.2021 17:05	% Moisture:	
Seq Number:	3149971			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**22.1**	5.04	mg/kg	02.03.2021 18:32		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 01:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 01:03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 01:03	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 01:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-130	02.06.2021 01:03	
o-Terphenyl	84-15-1	110	%	70-130	02.06.2021 01:03	

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Landes Pond Release

Sample Id:	**FL150 @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-007	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.04.2021 08:00	% Moisture: Basis:	Wet Weight
Seq Number:	3150089				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.04.2021 15:57	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.04.2021 15:57	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.04.2021 15:57	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.04.2021 15:57	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.04.2021 15:57	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.04.2021 15:57	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.04.2021 15:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	113	%	70-130	02.04.2021 15:57	
4-Bromofluorobenzene	460-00-4	140	%	70-130	02.04.2021 15:57	**

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Landes Pond Release

Sample Id:	**FL151@ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-008	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.03.2021 17:05	% Moisture:	
Seq Number:	3149971			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**471**	5.03	mg/kg	02.03.2021 18:38		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 01:25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 01:25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 01:25	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 01:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-130	02.06.2021 01:25	
o-Terphenyl	84-15-1	90	%	70-130	02.06.2021 01:25	

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Landes Pond Release

Sample Id:	**FL151@ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-008	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.04.2021 08:00	% Moisture:	
Seq Number:	3150089			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.04.2021 16:22	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.04.2021 16:22	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.04.2021 16:22	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.04.2021 16:22	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.04.2021 16:22	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.04.2021 16:22	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.04.2021 16:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	99	%	70-130	02.04.2021 16:22	
4-Bromofluorobenzene	460-00-4	108	%	70-130	02.04.2021 16:22	

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Landes Pond Release

Sample Id:	**FL152 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-009	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.03.2021 17:05	% Moisture:	
Seq Number:	3149971			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**100**	5.00	mg/kg	02.03.2021 18:53		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.06.2021 01:46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.06.2021 01:46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.06.2021 01:46	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.06.2021 01:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-130	02.06.2021 01:46	
o-Terphenyl	84-15-1	98	%	70-130	02.06.2021 01:46	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL152 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-009	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.04.2021 08:00	% Moisture:	
Seq Number:	3150089			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.2021 16:48	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.2021 16:48	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.2021 16:48	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.2021 16:48	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.2021 16:48	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.2021 16:48	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.2021 16:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	134	%	70-130	02.04.2021 16:48	**
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.04.2021 16:48	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL153 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-010	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.03.2021 17:05	% Moisture:	
Seq Number:	3149971			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**32.1**	4.97	mg/kg	02.03.2021 18:58		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 02:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 02:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 02:08	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 02:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-130	02.06.2021 02:08	
o-Terphenyl	84-15-1	102	%	70-130	02.06.2021 02:08	

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Landes Pond Release

Sample Id:	**FL153 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-010	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.04.2021 08:00	% Moisture:	
Seq Number:	3150089			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.2021 18:29	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.2021 18:29	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.2021 18:29	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.2021 18:29	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.2021 18:29	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.2021 18:29	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.2021 18:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	115	%	70-130	02.04.2021 18:29	
1,4-Difluorobenzene	540-36-3	97	%	70-130	02.04.2021 18:29	

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Landes Pond Release

Sample Id:	**FL154 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-011	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.03.2021 17:05	% Moisture:	
Seq Number:	3149971			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**348**	4.97	mg/kg	02.03.2021 19:14		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 02:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 02:51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 02:51	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 02:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-130	02.06.2021 02:51	
o-Terphenyl	84-15-1	102	%	70-130	02.06.2021 02:51	

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Landes Pond Release

Sample Id:	**FL154 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-011	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.04.2021 08:00	% Moisture:	
Seq Number:	3150089			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.04.2021 18:55	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.04.2021 18:55	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.04.2021 18:55	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.04.2021 18:55	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.04.2021 18:55	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.04.2021 18:55	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.04.2021 18:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	102	%	70-130	02.04.2021 18:55	
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.04.2021 18:55	

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Landes Pond Release

Sample Id:	**FL155 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-012	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.03.2021 17:05	% Moisture:	
Seq Number:	3149971			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**32.3**	4.96	mg/kg	02.03.2021 19:19		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 03:13	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 03:13	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 03:13	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 03:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-130	02.06.2021 03:13	
o-Terphenyl	84-15-1	99	%	70-130	02.06.2021 03:13	

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Landes Pond Release

Sample Id:	**FL155 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-012	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.04.2021 08:00	% Moisture:	
Seq Number:	3150089			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.04.2021 19:20	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.04.2021 19:20	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.04.2021 19:20	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.04.2021 19:20	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.04.2021 19:20	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.04.2021 19:20	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.04.2021 19:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	96	%	70-130	02.04.2021 19:20	
4-Bromofluorobenzene	460-00-4	114	%	70-130	02.04.2021 19:20	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL156b @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-013	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.03.2021 17:05	% Moisture:	
Seq Number:	3149971			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**15.0**	5.05	mg/kg	02.03.2021 19:24		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 03:35	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 03:35	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 03:35	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 03:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-130	02.06.2021 03:35	
o-Terphenyl	84-15-1	93	%	70-130	02.06.2021 03:35	

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Landes Pond Release

Sample Id:	**FL156b @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-013	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.04.2021 08:00	% Moisture:	
Seq Number:	3150089			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.04.2021 19:46	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.04.2021 19:46	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.04.2021 19:46	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.04.2021 19:46	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.04.2021 19:46	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.04.2021 19:46	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.04.2021 19:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	02.04.2021 19:46	
4-Bromofluorobenzene	460-00-4	116	%	70-130	02.04.2021 19:46	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL157 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-014	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.03.2021 17:05	% Moisture:	
Seq Number:	3149971			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**87.7**	5.05	mg/kg	02.03.2021 19:29		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.06.2021 03:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.06.2021 03:56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.06.2021 03:56	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.06.2021 03:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-130	02.06.2021 03:56	
o-Terphenyl	84-15-1	112	%	70-130	02.06.2021 03:56	

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Landes Pond Release

Sample Id:	**FL157 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-014	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.04.2021 08:00	% Moisture:	
Seq Number:	3150089			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.2021 20:12	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.2021 20:12	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.2021 20:12	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.04.2021 20:12	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.2021 20:12	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.2021 20:12	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.2021 20:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	117	%	70-130	02.04.2021 20:12	
1,4-Difluorobenzene	540-36-3	107	%	70-130	02.04.2021 20:12	

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Landes Pond Release

Sample Id:	**FL158b @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-015	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.03.2021 17:05	% Moisture:	
Seq Number:	3149971			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**15.4**	4.99	mg/kg	02.03.2021 19:35		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 04:18	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 04:18	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 04:18	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 04:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-130	02.06.2021 04:18	
o-Terphenyl	84-15-1	97	%	70-130	02.06.2021 04:18	

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Landes Pond Release

Sample Id:	**FL158b @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-015	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.04.2021 08:00	% Moisture:	
Seq Number:	3150089			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.04.2021 20:38	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.04.2021 20:38	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.04.2021 20:38	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.04.2021 20:38	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.04.2021 20:38	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.04.2021 20:38	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.04.2021 20:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	126	%	70-130	02.04.2021 20:38	
1,4-Difluorobenzene	540-36-3	100	%	70-130	02.04.2021 20:38	

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Landes Pond Release

Sample Id:	**FL159 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-016	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.03.2021 17:05	% Moisture:	
Seq Number:	3149971			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**37.2**	4.99	mg/kg	02.03.2021 19:40		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 04:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 04:40	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 04:40	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 04:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-130	02.06.2021 04:40	
o-Terphenyl	84-15-1	108	%	70-130	02.06.2021 04:40	

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Landes Pond Release

Sample Id:	**FL159 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-016	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	02.04.2021 00:12	UX	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	02.04.2021 00:12	UX	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	02.04.2021 00:12	UX	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	02.04.2021 00:12	UX	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	02.04.2021 00:12	UX	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	02.04.2021 00:12	U	1
Total BTEX		<0.00198	0.00198	mg/kg	02.04.2021 00:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.04.2021 00:12	
4-Bromofluorobenzene	460-00-4	105	%	70-130	02.04.2021 00:12	

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Landes Pond Release

Sample Id:	**FL160 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-017	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.03.2021 17:05	% Moisture:	
Seq Number:	3149971			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**120**	4.99	mg/kg	02.03.2021 19:45		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 05:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 05:01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 05:01	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 05:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-130	02.06.2021 05:01	
o-Terphenyl	84-15-1	111	%	70-130	02.06.2021 05:01	

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Landes Pond Release

Sample Id:	**FL160 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-017	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.2021 00:32	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.2021 00:32	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.2021 00:32	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.2021 00:32	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.2021 00:32	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.2021 00:32	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.2021 00:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	103	%	70-130	02.04.2021 00:32	
1,4-Difluorobenzene	540-36-3	96	%	70-130	02.04.2021 00:32	

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Landes Pond Release

Sample Id:	**FL161 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-018	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 08:40	% Moisture:	
Seq Number:	3150095			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**19.8**	5.03	mg/kg	02.04.2021 09:35		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.06.2021 05:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.06.2021 05:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.06.2021 05:22	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.06.2021 05:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-130	02.06.2021 05:22	
o-Terphenyl	84-15-1	91	%	70-130	02.06.2021 05:22	

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Landes Pond Release

Sample Id:	**FL161 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-018	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.04.2021 00:53	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.04.2021 00:53	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.04.2021 00:53	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	02.04.2021 00:53	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.04.2021 00:53	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	02.04.2021 00:53	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.04.2021 00:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	108	%	70-130	02.04.2021 00:53	
1,4-Difluorobenzene	540-36-3	94	%	70-130	02.04.2021 00:53	

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Landes Pond Release

Sample Id:	**FL162 @6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-019	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 08:40	% Moisture:	
Seq Number:	3150095			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**35.2**	4.99	mg/kg	02.04.2021 09:51		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 05:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 05:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 05:43	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 05:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-130	02.06.2021 05:43	
o-Terphenyl	84-15-1	99	%	70-130	02.06.2021 05:43	

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Landes Pond Release

Sample Id:	**FL162 @6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-019	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.2021 01:13	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.2021 01:13	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.2021 01:13	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.2021 01:13	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.2021 01:13	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.2021 01:13	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.2021 01:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	107	%	70-130	02.04.2021 01:13	
1,4-Difluorobenzene	540-36-3	96	%	70-130	02.04.2021 01:13	

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Landes Pond Release

Sample Id:	**FL163 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-020	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 08:40	% Moisture:	
Seq Number:	3150095			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**146**	4.97	mg/kg	02.04.2021 09:56		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 06:04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 06:04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 06:04	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 06:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-130	02.06.2021 06:04	
o-Terphenyl	84-15-1	97	%	70-130	02.06.2021 06:04	

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Landes Pond Release

Sample Id:	**FL163 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-020	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.2021 01:33	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.2021 01:33	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.2021 01:33	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.04.2021 01:33	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.2021 01:33	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.2021 01:33	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.2021 01:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	96	%	70-130	02.04.2021 01:33	
4-Bromofluorobenzene	460-00-4	105	%	70-130	02.04.2021 01:33	

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Landes Pond Release

Sample Id:	**FL164 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-021	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 08:40	% Moisture:	
Seq Number:	3150095			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**98.8**	4.95	mg/kg	02.04.2021 10:01		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.04.2021 12:20	% Moisture:	
Seq Number:	3150186			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.05.2021 03:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.05.2021 03:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.05.2021 03:08	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.05.2021 03:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-130	02.05.2021 03:08	
o-Terphenyl	84-15-1	100	%	70-130	02.05.2021 03:08	

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Landes Pond Release

Sample Id:	**FL164 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-021	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.2021 01:54	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.2021 01:54	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.2021 01:54	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.04.2021 01:54	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.2021 01:54	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.2021 01:54	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.2021 01:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	106	%	70-130	02.04.2021 01:54	
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.04.2021 01:54	

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Landes Pond Release

Sample Id:	**FL165b @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-022	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 08:40	% Moisture:	
Seq Number:	3150095			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**19.8**	5.04	mg/kg	02.04.2021 10:06		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.04.2021 12:20	% Moisture:	
Seq Number:	3150186			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.05.2021 03:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.05.2021 03:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.05.2021 03:29	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.05.2021 03:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-130	02.05.2021 03:29	
o-Terphenyl	84-15-1	101	%	70-130	02.05.2021 03:29	

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Landes Pond Release

Sample Id:	**FL165b @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-022	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	02.04.2021 02:14	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	02.04.2021 02:14	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	02.04.2021 02:14	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	02.04.2021 02:14	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	02.04.2021 02:14	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	02.04.2021 02:14	U	1
Total BTEX		<0.00198	0.00198	mg/kg	02.04.2021 02:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	96	%	70-130	02.04.2021 02:14	
4-Bromofluorobenzene	460-00-4	102	%	70-130	02.04.2021 02:14	

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Certificate of Analytical Results 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL166b @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-023	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 08:40	% Moisture:	
Seq Number:	3150095			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**145**	5.00	mg/kg	02.04.2021 10:22		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.04.2021 12:20	% Moisture:	
Seq Number:	3150186			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.05.2021 03:50	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.05.2021 03:50	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.05.2021 03:50	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.05.2021 03:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	84	%	70-130	02.05.2021 03:50	
o-Terphenyl	84-15-1	99	%	70-130	02.05.2021 03:50	

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Certificate of Analytical Results 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL166b @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-023	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.04.2021 02:35	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.04.2021 02:35	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.04.2021 02:35	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	02.04.2021 02:35	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.04.2021 02:35	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	02.04.2021 02:35	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.04.2021 02:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	97	%	70-130	02.04.2021 02:35	
4-Bromofluorobenzene	460-00-4	108	%	70-130	02.04.2021 02:35	

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Certificate of Analytical Results 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL167b @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-024	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 08:40	% Moisture:	
Seq Number:	3150095			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**70.0**	5.00	mg/kg	02.04.2021 10:27		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.04.2021 12:20	% Moisture:	
Seq Number:	3150186			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.05.2021 04:11	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.05.2021 04:11	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.05.2021 04:11	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.05.2021 04:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-130	02.05.2021 04:11	
o-Terphenyl	84-15-1	105	%	70-130	02.05.2021 04:11	

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Certificate of Analytical Results 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL167b @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-024	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.2021 02:55	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.2021 02:55	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.2021 02:55	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.04.2021 02:55	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.2021 02:55	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.2021 02:55	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.2021 02:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	96	%	70-130	02.04.2021 02:55	
4-Bromofluorobenzene	460-00-4	109	%	70-130	02.04.2021 02:55	

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Certificate of Analytical Results 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL168 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-025	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 08:40	% Moisture:	
Seq Number:	3150095			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**298**	4.95	mg/kg	02.04.2021 10:32		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.04.2021 12:20	% Moisture:	
Seq Number:	3150186			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.05.2021 04:32	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.05.2021 04:32	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.05.2021 04:32	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.05.2021 04:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-130	02.05.2021 04:32	
o-Terphenyl	84-15-1	97	%	70-130	02.05.2021 04:32	

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Certificate of Analytical Results 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL168 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-025	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.04.2021 03:15	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.04.2021 03:15	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.04.2021 03:15	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.04.2021 03:15	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.04.2021 03:15	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.04.2021 03:15	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.04.2021 03:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	104	%	70-130	02.04.2021 03:15	
1,4-Difluorobenzene	540-36-3	97	%	70-130	02.04.2021 03:15	

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Certificate of Analytical Results 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL169 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-026	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 08:40	% Moisture:	
Seq Number:	3150095			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**13.1**	4.98	mg/kg	02.04.2021 10:37		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.04.2021 12:20	% Moisture:	
Seq Number:	3150186			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.05.2021 04:54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.05.2021 04:54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.05.2021 04:54	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.05.2021 04:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-130	02.05.2021 04:54	
o-Terphenyl	84-15-1	95	%	70-130	02.05.2021 04:54	

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Certificate of Analytical Results 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL169 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-026	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.2021 04:38	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.2021 04:38	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.2021 04:38	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.2021 04:38	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.2021 04:38	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.2021 04:38	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.2021 04:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	103	%	70-130	02.04.2021 04:38	
1,4-Difluorobenzene	540-36-3	94	%	70-130	02.04.2021 04:38	

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Certificate of Analytical Results 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL170b @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-027	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 08:40	% Moisture:	
Seq Number:	3150095			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**133**	5.03	mg/kg	02.04.2021 10:43		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.04.2021 12:20	% Moisture:	
Seq Number:	3150186			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.05.2021 05:15	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.05.2021 05:15	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.05.2021 05:15	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.05.2021 05:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-130	02.05.2021 05:15	
o-Terphenyl	84-15-1	98	%	70-130	02.05.2021 05:15	

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Certificate of Analytical Results 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL170b @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-027	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	02.04.2021 04:58	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	02.04.2021 04:58	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	02.04.2021 04:58	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	02.04.2021 04:58	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	02.04.2021 04:58	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	02.04.2021 04:58	U	1
Total BTEX		<0.00198	0.00198	mg/kg	02.04.2021 04:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	106	%	70-130	02.04.2021 04:58	
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.04.2021 04:58	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 687057

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149971 — Matrix: Solid — Date Prep: 02.03.2021
MB Sample Id: 7720718-1-BLK — LCS Sample Id: 7720718-1-BKS — LCSD Sample Id: 7720718-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	257	103	257	103	90-110	0	20	mg/kg	02.03.2021 17:14	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3150095 — Matrix: Solid — Date Prep: 02.04.2021
MB Sample Id: 7720748-1-BLK — LCS Sample Id: 7720748-1-BKS — LCSD Sample Id: 7720748-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	251	100	251	100	90-110	0	20	mg/kg	02.04.2021 09:25	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149971 — Matrix: Soil — Date Prep: 02.03.2021
Parent Sample Id: 687047-023 — MS Sample Id: 687047-023 S — MSD Sample Id: 687047-023 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	38.2	253	324	113	318	111	90-110	2	20	mg/kg	02.03.2021 17:30	X

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149971 — Matrix: Soil — Date Prep: 02.03.2021
Parent Sample Id: 687057-008 — MS Sample Id: 687057-008 S — MSD Sample Id: 687057-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	471	252	732	104	729	102	90-110	0	20	mg/kg	02.03.2021 18:43	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3150095 — Matrix: Soil — Date Prep: 02.04.2021
Parent Sample Id: 687057-018 — MS Sample Id: 687057-018 S — MSD Sample Id: 687057-018 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	19.8	252	290	107	290	107	90-110	0	20	mg/kg	02.04.2021 09:40	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3150095 — Matrix: Soil — Date Prep: 02.04.2021
Parent Sample Id: 687058-001 — MS Sample Id: 687058-001 S — MSD Sample Id: 687058-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	119	253	388	106	397	110	90-110	2	20	mg/kg	02.04.2021 10:53	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 687057

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3150186 — Matrix: Solid — Date Prep: 02.04.2021
MB Sample Id: 7720905-1-BLK — LCS Sample Id: 7720905-1-BKS — LCSD Sample Id: 7720905-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1050	105	988	99	70-130	6	20	mg/kg	02.04.2021 20:48	
Diesel Range Organics (DRO)	<50.0	1000	1180	118	1120	112	70-130	5	20	mg/kg	02.04.2021 20:48	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	98		119		113		70-130	%	02.04.2021 20:48
o-Terphenyl	119		124		119		70-130	%	02.04.2021 20:48

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3150318 — Matrix: Solid — Date Prep: 02.05.2021
MB Sample Id: 7721004-1-BLK — LCS Sample Id: 7721004-1-BKS — LCSD Sample Id: 7721004-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	997	100	1010	101	70-130	1	20	mg/kg	02.05.2021 21:30	
Diesel Range Organics (DRO)	<50.0	1000	1090	109	1090	109	70-130	0	20	mg/kg	02.05.2021 21:30	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	112		111		116		70-130	%	02.05.2021 21:30
o-Terphenyl	121		119		115		70-130	%	02.05.2021 21:30

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3150186 — Matrix: Solid — Date Prep: 02.04.2021
MB Sample Id: 7720905-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.04.2021 20:26	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3150318 — Matrix: Solid — Date Prep: 02.05.2021
MB Sample Id: 7721004-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.05.2021 21:08	

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 687057

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3150186 — Matrix: Soil — Date Prep: 02.04.2021
Parent Sample Id: 687087-001 — MS Sample Id: 687087-001 S — MSD Sample Id: 687087-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	819	82	875	88	70-130	7	20	mg/kg	02.04.2021 21:52	
Diesel Range Organics (DRO)	<50.0	1000	905	91	972	97	70-130	7	20	mg/kg	02.04.2021 21:52	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	87		92		70-130	%	02.04.2021 21:52
o-Terphenyl	88		94		70-130	%	02.04.2021 21:52

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3150318 — Matrix: Soil — Date Prep: 02.05.2021
Parent Sample Id: 687057-001 — MS Sample Id: 687057-001 S — MSD Sample Id: 687057-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	1170	117	980	98	70-130	18	20	mg/kg	02.05.2021 22:33	
Diesel Range Organics (DRO)	<49.9	997	1170	117	1150	115	70-130	2	20	mg/kg	02.05.2021 22:33	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	117		111		70-130	%	02.05.2021 22:33
o-Terphenyl	116		125		70-130	%	02.05.2021 22:33

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149951 — Matrix: Solid — Date Prep: 02.03.2021
MB Sample Id: 7720756-1-BLK — LCS Sample Id: 7720756-1-BKS — LCSD Sample Id: 7720756-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0974	97	0.0889	89	70-130	9	35	mg/kg	02.03.2021 21:51	
Toluene	<0.00200	0.100	0.0930	93	0.0847	85	70-130	9	35	mg/kg	02.03.2021 21:51	
Ethylbenzene	<0.00200	0.100	0.0999	100	0.0891	89	70-130	11	35	mg/kg	02.03.2021 21:51	
m,p-Xylenes	<0.00400	0.200	0.198	99	0.176	88	70-130	12	35	mg/kg	02.03.2021 21:51	
o-Xylene	<0.00200	0.100	0.0990	99	0.0887	89	70-130	11	35	mg/kg	02.03.2021 21:51	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	88		102		100		70-130	%	02.03.2021 21:51
4-Bromofluorobenzene	103		99		96		70-130	%	02.03.2021 21:51

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 687057

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Landes Pond Release

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3150089 — Matrix: Solid — Date Prep: 02.04.2021
MB Sample Id: 7720791-1-BLK — LCS Sample Id: 7720791-1-BKS — LCSD Sample Id: 7720791-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0834	83	0.109	109	70-130	27	35	mg/kg	02.04.2021 10:01	
Toluene	<0.00200	0.100	0.0856	86	0.0990	99	70-130	15	35	mg/kg	02.04.2021 10:01	
Ethylbenzene	<0.00200	0.100	0.0882	88	0.0961	96	70-130	9	35	mg/kg	02.04.2021 10:01	
m,p-Xylenes	<0.00400	0.200	0.182	91	0.209	105	70-130	14	35	mg/kg	02.04.2021 10:01	
o-Xylene	<0.00200	0.100	0.0889	89	0.101	101	70-130	13	35	mg/kg	02.04.2021 10:01	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	87		87		112		70-130	%	02.04.2021 10:01
4-Bromofluorobenzene	85		102		118		70-130	%	02.04.2021 10:01

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149951 — Matrix: Soil — Date Prep: 02.03.2021
Parent Sample Id: 687057-016 — MS Sample Id: 687057-016 S — MSD Sample Id: 687057-016 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0990	0.0671	68	0.0913	92	70-130	31	35	mg/kg	02.03.2021 22:32	X
Toluene	<0.00198	0.0990	0.0632	64	0.0842	85	70-130	28	35	mg/kg	02.03.2021 22:32	X
Ethylbenzene	<0.00198	0.0990	0.0672	68	0.0890	89	70-130	28	35	mg/kg	02.03.2021 22:32	X
m,p-Xylenes	<0.00396	0.198	0.134	68	0.178	89	70-130	28	35	mg/kg	02.03.2021 22:32	X
o-Xylene	<0.00198	0.0990	0.0675	68	0.0889	89	70-130	27	35	mg/kg	02.03.2021 22:32	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		103		70-130	%	02.03.2021 22:32
4-Bromofluorobenzene	105		102		70-130	%	02.03.2021 22:32

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3150089 — Matrix: Soil — Date Prep: 02.04.2021
Parent Sample Id: 687047-005 — MS Sample Id: 687047-005 S — MSD Sample Id: 687047-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.100	0.0515	52	0.0733	73	70-130	35	35	mg/kg	02.04.2021 10:53	X
Toluene	<0.00201	0.100	0.0556	56	0.0798	79	70-130	36	35	mg/kg	02.04.2021 10:53	XF
Ethylbenzene	<0.00201	0.100	0.0552	55	0.0841	83	70-130	41	35	mg/kg	02.04.2021 10:53	XF
m,p-Xylenes	<0.00402	0.201	0.113	56	0.172	86	70-130	41	35	mg/kg	02.04.2021 10:53	XF
o-Xylene	<0.00201	0.100	0.0552	55	0.0850	84	70-130	43	35	mg/kg	02.04.2021 10:53	XF

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	95		110		70-130	%	02.04.2021 10:53
4-Bromofluorobenzene	123		117		70-130	%	02.04.2021 10:53

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Work Order No: 6987057

Project Manager:	Joel Lowry	Bill to: (if different)	Solaris Water Midstream C/O Rob Kirk
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378 Email:	Email Results to: PM@etechenv.com + Client	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/US ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	X
Project Location	Rural Eddy Co., NM	Rush:	☐
Sampler's Name:	Matthew Grieco	Due Date:	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	2.3/2.9	Thermometer ID	IR8
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	0.5
Sample Custody Seals:	Yes No (N/A)	Total Containers:	

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)	Sample Comments
FL75 @ 2.5'	Soil	1/29/2021		2.5'	1/NO		X		
FL145 @ 2'	Soil	1/29/2021		2'	1/NO	X	X	X	
FL146b @ 2.5'	Soil	1/29/2021		2,5'	1/NO	X	X	X	
FL147 @ 1'	Soil	1/29/2021		1'	1/NO	X	X	X	
FL148 @ 1'	Soil	1/29/2021		1'	1/NO	X	X	X	
FL149 @ 1'	Soil	1/29/2021		1'	1/NO	X	X	X	
FL150 @ 1'	Soil	1/29/2021		1'	1/NO	X	X	X	
FL151 @ 6"	Soil	1/29/2021		6"	1/NO	X	X	X	
FL152 @ 6"	Soil	1/29/2021		6"	1/NO	X	X	X	
FL153 @ 6"	Soil	1/29/2021		6"	1/NO	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		02-02-21 3:01	2	KRAMER	02/03/21
3			4		1211
5			6		

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.001
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Chain of Custody

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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: _____

www.xenco.com Page 2 of 3

Project Manager:	Joel Lowry	Bill to: (if different)	Solaris Water Midstream C/O Rob Kirk
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378 Email:	Email Results to: PM@etechenv.com + Client	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level ☐ Level ☐ PST/US ☐ TRR ☐ Level ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☒
Project Location	Rural Eddy Co., NM	Rush:	☐
Sampler's Name:	Matthew Grieco	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temperature (°C):		Temp Blank: Yes No	Wet Ice: Yes No	
Received Intact:	Yes No	Thermometer ID		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)	Sample Comments
FL154 @ 6"	Soil	1/29/2021		6"	1/NO	X	X	X	
FL155 @ 6"	Soil	1/29/2021		6"	1/NO	X	X	X	
FL156b @ 1'	Soil	1/29/2021		1'	1/NO	X	X	X	
FL157 @ 6"	Soil	1/29/2021		6"	1/NO	X	X	X	
FL158b @ 1'	Soil	1/29/2021		1'	1/NO	X	X	X	
FL159 @ 6"	Soil	1/29/2021		6"	1/NO	X	X	X	
FL160 @ 6"	Soil	1/29/2021		6"	1/NO	X	X	X	
FL161 @ 6"	Soil	1/29/2021		6"	1/NO	X	X	X	
FL162 @ 6"	Soil	1/29/2021		6"	1/NO	X	X	X	
FL163 @ 6"	Soil	1/29/2021		6"	1/NO	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		02-02-21 301 PM	2		02/03/21
3			4		1311
5			6		

Revised Date101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.001
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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: _____

www.xenco.com Page 3 of 3

Project Manager:	Joel Lowry	Bill to: (if different)	Solaris Water Midstream C/O Rob Kirk
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378 Email:	Email Results to: PM@etechenv.com + Client	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level ☐ Level ☐ PST/US ☐ TRP ☐ Level ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☒
Project Location	Rural Eddy Co., NM	Rush:	☐
Sampler's Name:	Matthew Grieco	Due Date:	
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):		Thermometer ID		
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)	Sample Comments
FL164 @ 6"	Soil	1/29/2021		6"	1/NO	X	X	X	
FL165b @ 1'	Soil	1/29/2021		1'	1/NO	X	X	X	
FL166b @ 1'	Soil	1/29/2021		1'	1/NO	X	X	X	
FL167b @ 1'	Soil	1/29/2021		1'	1/NO	X	X	X	
FL168 @ 6"	Soil	1/29/2021		6"	1/NO	X	X	X	
FL169 @ 6"	Soil	1/29/2021		6"	1/NO	X	X	X	
FL170b @ 1'	Soil	1/29/2021		1'	1/NO	X	X	X	

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		02-02-21 3:01	2		02/03/21
3			4		1211
5			6		

Revised Date101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.001
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Part # 156140-434 RIT EXP 03/19 **

ORIGIN ID:HOBA (575) 392-7550
*MAIL SERVICES ETC
4008 N GRIMES
HOBBS, NM 88240
UNITED STATES US

SHIP DATE: 02FEB21
ACTWGT: 60.00 LB MAN
CAD: 0103352/CAFE3313
DIMS: 24x16x16 IN

BILL RECIPIENT

TO XENCO HOLD FOR PICKUP
FEDEX EXPRESS SHIP CENTER
FEDEX EXPRESS SHIP CENTER
3600 COUNTY ROAD 1276 SOUTH

MIDLAND TX 79711
(432) 704-5440

REF
PO
DEPT

565C1/B698/05A2

FedEx Express

J191219082001uv

1 of 2

TRK# 0201 9401 5656 3642

WED - 03 FEB HOLD
PRIORITY OVERNIGHT

MASTER

HLD
MAFA
TX-US LBB

41 MAFA

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 02.03.2021 12.11.00 PM

Work Order #: 687057

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	2.8
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6*Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**No**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#13 Samples properly preserved?	**Yes**
#14 Sample container(s) intact?	**Yes**
#15 Sufficient sample amount for indicated test(s)?	**Yes**
#16 All samples received within hold time?	**Yes**
#17 Subcontract of sample(s)?	**N/A**
#18 Water VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 02.03.2021

Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 02.08.2021

Jessica Kramer

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Certificate of Analysis Summary 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co.,NM

Date Received in Lab: Wed 02.03.2021 12:11
Report Date: 02.10.2021 11:20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	687058-001		687058-002		687058-003		687058-004		687058-005		687058-006	
	Field Id:	WW6		SW7b		SW8		SW9b		SW10b		SW11	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00	
	Analyzed:	02.04.2021 05:18		02.04.2021 05:39		02.04.2021 05:59		02.04.2021 06:20		02.04.2021 06:40		02.04.2021 07:01	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200
Toluene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200
m,p-Xylenes		<0.00399	0.00399	<0.00398	0.00398	<0.00401	0.00401	<0.00403	0.00403	<0.00404	0.00404	<0.00400	0.00400
o-Xylene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200
Total Xylenes		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200
Total BTEX		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200
Inorganic Anions by EPA 300	***Extracted:***	02.04.2021 08:40		02.04.2021 08:40		02.04.2021 08:40		02.04.2021 08:40		02.04.2021 08:40		02.04.2021 08:40	
	Analyzed:	02.04.2021 10:48		02.04.2021 11:03		02.04.2021 11:09		02.04.2021 11:24		02.04.2021 11:29		02.04.2021 11:34	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		119	5.05	13.1	4.98	268	4.99	5.54	5.02	5.21	4.95	137	5.00
TPH by SW8015 Mod	***Extracted:***	02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00	
	Analyzed:	02.05.2021 22:36		02.05.2021 23:40		02.06.2021 00:01		02.06.2021 00:23		02.06.2021 00:45		02.06.2021 01:07	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8
Diesel Range Organics (DRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8
Total TPH		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co.,NM

Date Received in Lab: Wed 02.03.2021 12:11
Report Date: 02.10.2021 11:20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	687058-007		687058-008		687058-009		687058-010		687058-011		687058-012	
	Field Id:	SW12		SW13		SW14		SW15		SW16		NW4-2'F	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00	
	Analyzed:	02.04.2021 07:21		02.04.2021 07:41		02.04.2021 00:27		02.04.2021 00:48		02.04.2021 01:08		02.04.2021 01:29	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200
Toluene		<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200
m,p-Xylenes		<0.00399	0.00399	<0.00402	0.00402	<0.00398	0.00398	<0.00398	0.00398	<0.00403	0.00403	<0.00399	0.00399
o-Xylene		<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200
Total Xylenes		<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200
Total BTEX		<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200
Inorganic Anions by EPA 300	***Extracted:***	02.04.2021 08:40		02.04.2021 08:40		02.04.2021 08:40		02.04.2021 08:40		02.04.2021 09:40		02.04.2021 09:40	
	Analyzed:	02.04.2021 11:40		02.04.2021 11:45		02.04.2021 11:50		02.04.2021 11:55		02.04.2021 12:04		02.04.2021 12:20	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		216	5.00	74.5	5.00	182	5.04	44.0	4.97	171	5.00	1460	24.8
TPH by SW8015 Mod	***Extracted:***	02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00	
	Analyzed:	02.06.2021 01:29		02.06.2021 01:51		02.06.2021 02:12		02.06.2021 02:34		02.06.2021 03:18		02.06.2021 03:40	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9
Diesel Range Organics (DRO)		<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9
Total TPH		<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9

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Certificate of Analysis Summary 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co.,NM

Date Received in Lab: Wed 02.03.2021 12:11
Report Date: 02.10.2021 11:20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	687058-013		687058-014		687058-015		687058-016		687058-017		687058-018	
	Field Id:	NW5-2'F		NW6		NW7		NW8b		NW9b		NW10	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00	
	Analyzed:	02.04.2021 01:49		02.04.2021 02:10		02.04.2021 02:31		02.04.2021 02:51		02.04.2021 03:12		02.04.2021 03:33	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
Toluene		<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
Ethylbenzene		<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
m,p-Xylenes		<0.00398	0.00398	<0.00398	0.00398	<0.00402	0.00402	<0.00404	0.00404	<0.00398	0.00398	<0.00400	0.00400
o-Xylene		<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
Total Xylenes		<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
Total BTEX		<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
Inorganic Anions by EPA 300	***Extracted:***	02.04.2021 09:40		02.04.2021 09:40		02.04.2021 09:40		02.04.2021 09:40		02.04.2021 09:40		02.04.2021 09:40	
	Analyzed:	02.04.2021 12:25		02.04.2021 12:31		02.04.2021 12:36		02.04.2021 12:52		02.04.2021 12:57		02.04.2021 13:03	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		732	25.2	119	4.99	418	4.97	65.6	5.00	35.9	5.03	389	5.00
TPH by SW8015 Mod	***Extracted:***	02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00	
	Analyzed:	02.06.2021 04:02		02.06.2021 04:25		02.06.2021 04:46		02.06.2021 05:08		02.06.2021 05:29		02.06.2021 05:50	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9
Total TPH		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9

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Certificate of Analysis Summary 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co.,NM

Date Received in Lab: Wed 02.03.2021 12:11
Report Date: 02.10.2021 11:20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	687058-019		687058-020		687058-021		687058-022		687058-023		687058-024	
	Field Id:	NW11		NW12b		NW13b		NW14		NW15b		NW16	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00	
	Analyzed:	02.04.2021 04:55		02.04.2021 05:16		02.04.2021 05:36		02.04.2021 05:57		02.04.2021 06:17		02.04.2021 06:38	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198	<0.00201	0.00201	<0.00198	0.00198
Toluene		<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198	<0.00201	0.00201	<0.00198	0.00198
Ethylbenzene		<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198	<0.00201	0.00201	<0.00198	0.00198
m,p-Xylenes		<0.00402	0.00402	<0.00403	0.00403	<0.00399	0.00399	<0.00396	0.00396	<0.00402	0.00402	<0.00397	0.00397
o-Xylene		<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198	<0.00201	0.00201	<0.00198	0.00198
Total Xylenes		<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198	<0.00201	0.00201	<0.00198	0.00198
Total BTEX		<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198	<0.00201	0.00201	<0.00198	0.00198
Inorganic Anions by EPA 300	***Extracted:***	02.04.2021 09:40		02.04.2021 09:40		02.04.2021 09:40		02.04.2021 09:40		02.04.2021 09:40		02.04.2021 09:40	
	Analyzed:	02.04.2021 13:08		02.04.2021 13:13		02.04.2021 13:19		02.04.2021 13:35		02.04.2021 13:40		02.04.2021 13:56	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		75.9	4.95	35.3	4.98	45.8 X	4.95	183	4.97	331	5.03	329	4.96
TPH by SW8015 Mod	***Extracted:***	02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00	
	Analyzed:	02.06.2021 06:10		02.06.2021 06:31		02.05.2021 22:36		02.05.2021 23:40		02.06.2021 00:01		02.06.2021 00:23	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0
Diesel Range Organics (DRO)		<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0
Total TPH		<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0

BRL - Below Reporting Limit

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Certificate of Analysis Summary 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co.,NM

Date Received in Lab: Wed 02.03.2021 12:11
Report Date: 02.10.2021 11:20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	687058-025		687058-026		687058-027		687058-028		687058-029		687058-030	
	Field Id:	FL171		FL172		FL173		FL174		FL175		FL176	
	Depth:	6- In		6- In		6- In		6- In		6- In		6- In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00		02.04.2021 11:45		02.04.2021 11:45	
	Analyzed:	02.04.2021 06:59		02.04.2021 07:19		02.04.2021 07:40		02.04.2021 08:00		02.04.2021 15:02		02.04.2021 15:23	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
Toluene		<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
Ethylbenzene		<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
m,p-Xylenes		<0.00399	0.00399	<0.00402	0.00402	<0.00403	0.00403	<0.00399	0.00399	<0.00398	0.00398	<0.00397	0.00397
o-Xylene		<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
Total Xylenes		<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
Total BTEX		<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
Inorganic Anions by EPA 300	***Extracted:***	02.04.2021 09:40		02.04.2021 09:40		02.04.2021 09:40		02.04.2021 09:40		02.04.2021 09:40		02.04.2021 09:40	
	Analyzed:	02.04.2021 14:01		02.04.2021 14:06		02.04.2021 14:12		02.04.2021 14:17		02.04.2021 14:22		02.04.2021 14:28	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		83.9	4.99	228	5.00	108	5.00	114	5.00	80.3	5.04	77.5	5.05
TPH by SW8015 Mod	***Extracted:***	02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00	
	Analyzed:	02.06.2021 00:45		02.06.2021 01:07		02.06.2021 01:29		02.06.2021 01:51		02.06.2021 02:12		02.06.2021 02:34	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8
Diesel Range Organics (DRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8
Total TPH		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co.,NM

Date Received in Lab: Wed 02.03.2021 12:11
Report Date: 02.10.2021 11:20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	687058-031		687058-032		687058-033		687058-034		687058-035		687058-036	
	Field Id:	FL177		FL178		FL179		FL180		FL181		FL182	
	Depth:	6- In		6- In		6- In		6- In		6- In		6- In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	02.04.2021 11:45		02.05.2021 11:00		02.05.2021 11:00		02.05.2021 11:00		02.05.2021 11:00		02.05.2021 11:00	
	Analyzed:	02.04.2021 15:43		02.05.2021 14:55		02.05.2021 15:16		02.05.2021 15:36		02.05.2021 15:56		02.05.2021 16:17	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00198	0.00198	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Toluene		<0.00198	0.00198	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Ethylbenzene		<0.00198	0.00198	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
m,p-Xylenes		<0.00396	0.00396	<0.00402	0.00402	<0.00401	0.00401	<0.00399	0.00399	<0.00398	0.00398	<0.00398	0.00398
o-Xylene		<0.00198	0.00198	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Total Xylenes		<0.00198	0.00198	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Total BTEX		<0.00198	0.00198	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Inorganic Anions by EPA 300	***Extracted:***	02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:00	
	Analyzed:	02.04.2021 14:08		02.04.2021 14:24		02.04.2021 14:29		02.04.2021 14:34		02.04.2021 14:39		02.04.2021 18:56	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		67.5 X	5.04	57.1	4.98	24.6	4.96	53.4	4.99	56.4	5.03	75.5	5.03
TPH by SW8015 Mod	***Extracted:***	02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00	
	Analyzed:	02.06.2021 03:18		02.06.2021 03:40		02.06.2021 04:02		02.06.2021 04:25		02.06.2021 04:46		02.06.2021 05:08	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9
Total TPH		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co.,NM

Date Received in Lab: Wed 02.03.2021 12:11
Report Date: 02.10.2021 11:20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	687058-037		687058-038		687058-039		687058-040		687058-041		687058-042	
	Field Id:	FL183		FL184		FL 185		FL186		FL187		FL188	
	Depth:	6- In		6- In		6- In		6- In		6- In		6- In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	02.05.2021 17:00		02.05.2021 16:00		02.05.2021 16:00		02.05.2021 16:00		02.05.2021 16:00		02.05.2021 16:00	
	Analyzed:	02.06.2021 13:53		02.06.2021 01:07		02.06.2021 01:28		02.06.2021 01:49		02.06.2021 02:09		02.06.2021 02:30	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201
Toluene		<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201
Ethylbenzene		<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201
m,p-Xylenes		<0.00402	0.00402	<0.00399	0.00399	<0.00398	0.00398	<0.00399	0.00399	<0.00402	0.00402	<0.00402	0.00402
o-Xylene		<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201
Total Xylenes		<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201
Total BTEX		<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201
Inorganic Anions by EPA 300	***Extracted:***	02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:00	
	Analyzed:	02.04.2021 19:01		02.04.2021 19:06		02.04.2021 19:11		02.04.2021 19:16		02.04.2021 19:22		02.04.2021 19:37	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		22.8	5.00	27.0	5.00	32.6	5.00	43.9	5.02	35.6	4.95	48.7	4.96
TPH by SW8015 Mod	***Extracted:***	02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.06.2021 09:00		02.06.2021 09:00	
	Analyzed:	02.06.2021 05:29		02.06.2021 05:50		02.06.2021 06:10		02.06.2021 06:31		02.06.2021 13:10		02.06.2021 14:14	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.0	50.0
Diesel Range Organics (DRO)		<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.0	50.0
Total TPH		<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co.,NM

Date Received in Lab: Wed 02.03.2021 12:11
Report Date: 02.10.2021 11:20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	687058-043		687058-044		687058-045		687058-046		687058-047		687058-048	
	Field Id:	FL189		FL190		FL191		FL192		FL193		FL194	
	Depth:	6- In		6- In		6- In		6- In		6- In		6- In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	02.05.2021 16:00		02.05.2021 16:00		02.05.2021 16:00		02.05.2021 16:00		02.05.2021 16:00		02.05.2021 16:00	
	Analyzed:	02.06.2021 02:50		02.06.2021 03:11		02.06.2021 03:31		02.06.2021 03:52		02.06.2021 04:12		02.06.2021 05:36	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Toluene		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
m,p-Xylenes		<0.00401	0.00401	<0.00402	0.00402	<0.00401	0.00401	<0.00399	0.00399	<0.00401	0.00401	<0.00399	0.00399
o-Xylene		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Total Xylenes		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Total BTEX		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Inorganic Anions by EPA 300	***Extracted:***	02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:00	
	Analyzed:	02.04.2021 19:42		02.04.2021 19:58		02.04.2021 20:03		02.04.2021 20:08		02.05.2021 08:24		02.05.2021 08:29	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		6.93	4.99	21.1	4.97	34.7	25.0	38.1	24.8	25.3	4.95	5.70	4.95
TPH by SW8015 Mod	***Extracted:***	02.06.2021 09:00		02.06.2021 09:00		02.06.2021 09:00		02.06.2021 09:00		02.06.2021 09:00		02.06.2021 09:00	
	Analyzed:	02.06.2021 14:34		02.06.2021 14:55		02.06.2021 15:17		02.06.2021 15:38		02.06.2021 15:59		02.06.2021 16:20	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<49.8	49.8	<49.8	49.8	<50.0	50.0	<49.9	49.9	<50.0	50.0
Diesel Range Organics (DRO)		<49.9	49.9	<49.8	49.8	<49.8	49.8	<50.0	50.0	<49.9	49.9	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<49.8	49.8	<49.8	49.8	<50.0	50.0	<49.9	49.9	<50.0	50.0
Total TPH		<49.9	49.9	<49.8	49.8	<49.8	49.8	<50.0	50.0	<49.9	49.9	<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co.,NM

Date Received in Lab: Wed 02.03.2021 12:11
Report Date: 02.10.2021 11:20
Project Manager: Jessica Kramer

Analysis Requested											
	Lab Id:	687058-049		687058-050		687058-051					
	Field Id:	FL195		FL196		FL197					
	Depth:	6- In		6- In		6- In					
	Matrix:	SOIL		SOIL		SOIL					
	Sampled:	02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00					
BTEX by EPA 8021B	***Extracted:***	02.05.2021 16:00		02.05.2021 16:00		02.05.2021 16:00					
	Analyzed:	02.06.2021 05:56		02.06.2021 06:16		02.06.2021 06:37					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Benzene		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200				
Toluene		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200				
Ethylbenzene		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200				
m,p-Xylenes		<0.00401	0.00401	<0.00402	0.00402	<0.00399	0.00399				
o-Xylene		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200				
Total Xylenes		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200				
Total BTEX		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200				
Inorganic Anions by EPA 300	***Extracted:***	02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:20					
	Analyzed:	02.05.2021 08:34		02.05.2021 08:39		02.04.2021 11:11					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		14.3	5.04	<4.96	4.96	8.41	5.02				
TPH by SW8015 Mod	***Extracted:***	02.06.2021 09:00		02.06.2021 09:00		02.06.2021 09:00					
	Analyzed:	02.06.2021 16:41		02.06.2021 17:02		02.06.2021 17:44					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8				
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8				
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8				
Total TPH		<50.0	50.0	<49.9	49.9	<49.8	49.8				

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Analytical Report 687058

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

Landes Pond Release

13261

02.10.2021

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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02.10.2021

Project Manager: **PM**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **687058**
Landes Pond Release
Project Address: Rural Eddy Co.,NM

PM :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 687058. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 687058 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
WW6	S	02.01.2021 00:00		687058-001
SW7b	S	02.01.2021 00:00		687058-002
SW8	S	02.01.2021 00:00		687058-003
SW9b	S	02.01.2021 00:00		687058-004
SW10b	S	02.01.2021 00:00		687058-005
SW11	S	02.01.2021 00:00		687058-006
SW12	S	02.01.2021 00:00		687058-007
SW13	S	02.01.2021 00:00		687058-008
SW14	S	02.01.2021 00:00		687058-009
SW15	S	02.01.2021 00:00		687058-010
SW16	S	02.01.2021 00:00		687058-011
NW4-2'F	S	02.01.2021 00:00		687058-012
NW5-2'F	S	02.01.2021 00:00		687058-013
NW6	S	02.01.2021 00:00		687058-014
NW7	S	02.01.2021 00:00		687058-015
NW8b	S	02.01.2021 00:00		687058-016
NW9b	S	02.01.2021 00:00		687058-017
NW10	S	02.01.2021 00:00		687058-018
NW11	S	02.01.2021 00:00		687058-019
NW12b	S	02.01.2021 00:00		687058-020
NW13b	S	02.01.2021 00:00		687058-021
NW14	S	02.01.2021 00:00		687058-022
NW15b	S	02.01.2021 00:00		687058-023
NW16	S	02.01.2021 00:00		687058-024
FL171	S	02.01.2021 00:00	6 In	687058-025
FL172	S	02.01.2021 00:00	6 In	687058-026
FL173	S	02.01.2021 00:00	6 In	687058-027
FL174	S	02.01.2021 00:00	6 In	687058-028
FL175	S	02.01.2021 00:00	6 In	687058-029
FL176	S	02.01.2021 00:00	6 In	687058-030
FL177	S	02.01.2021 00:00	6 In	687058-031
FL178	S	02.01.2021 00:00	6 In	687058-032
FL179	S	02.01.2021 00:00	6 In	687058-033
FL180	S	02.01.2021 00:00	6 In	687058-034
FL181	S	02.01.2021 00:00	6 In	687058-035
FL182	S	02.01.2021 00:00	6 In	687058-036
FL183	S	02.01.2021 00:00	6 In	687058-037
FL184	S	02.01.2021 00:00	6 In	687058-038
FL 185	S	02.01.2021 00:00	6 In	687058-039
FL186	S	02.01.2021 00:00	6 In	687058-040
FL187	S	02.01.2021 00:00	6 In	687058-041
FL188	S	02.01.2021 00:00	6 In	687058-042
FL189	S	02.01.2021 00:00	6 In	687058-043

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Sample Cross Reference 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

FL190	S	02.01.2021 00:00	6 In	687058-044
FL191	S	02.01.2021 00:00	6 In	687058-045
FL192	S	02.01.2021 00:00	6 In	687058-046
FL193	S	02.01.2021 00:00	6 In	687058-047
FL194	S	02.01.2021 00:00	6 In	687058-048
FL195	S	02.01.2021 00:00	6 In	687058-049
FL196	S	02.01.2021 00:00	6 In	687058-050
FL197	S	02.01.2021 00:00	6 In	687058-051

CASE NARRATIVE

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Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Landes Pond Release

Project ID: *13261*
Work Order Number(s): *687058*

Report Date: *02.10.2021*
Date Received: *02.03.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3150086 Inorganic Anions by EPA 300

Lab Sample ID 687058-021 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered above QC limits in the Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 687058-011, -012, -013, -014, -015, -016, -017, -018, -019, -020, -021, -022, -023, -024, -025, -026, -027, -028, -029, -030.
The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3150096 Inorganic Anions by EPA 300

Lab Sample ID 687058-041 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered above QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 687058-031, -032, -033, -034, -035, -036, -037, -038, -039, -040, -041, -042, -043, -044, -045, -046, -047, -048, -049, -050.
The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3150258 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected;
Samples affected are: 687440-001 S,687058-037.

Batch: LBA-3150275 BTEX by EPA 8021B

Lab Sample ID 687058-038 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 687058-038, -039, -040, -041, -042, -043, -044, -045, -046, -047, -048, -049, -050, -051.
The Laboratory Control Sample for Toluene, Benzene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3150321 TPH by SW8015 Mod

Surrogate 1-Chlorooctane recovered below QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 687058-007,687058-019,687058-018.

CASE NARRATIVE

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Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Landes Pond Release

Project ID: *13261*
Work Order Number(s): *687058*

Report Date: *02.10.2021*
Date Received: *02.03.2021*

Batch: LBA-3150323 TPH by SW8015 Mod

Surrogate 1-Chlorooctane recovered below QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 687058-024,687058-025,687058-029,687058-030,687058-032.
Surrogate o-Terphenyl recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 687058-031,687058-033.

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Certificate of Analytical Results 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id: **WW6** Matrix: Soil Date Received:02.03.2021 12:11

Lab Sample Id: 687058-001 Date Collected: 02.01.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 02.04.2021 08:40 % Moisture:

Seq Number: 3150095 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**119**	5.05	mg/kg	02.04.2021 10:48		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.05.2021 17:00 % Moisture:

Seq Number: 3150321 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.05.2021 22:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.05.2021 22:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.05.2021 22:36	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.05.2021 22:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-130	02.05.2021 22:36	
o-Terphenyl	84-15-1	101	%	70-130	02.05.2021 22:36	

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Certificate of Analytical Results 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**WW6**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-001	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.2021 05:18	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.2021 05:18	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.2021 05:18	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.04.2021 05:18	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.2021 05:18	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.2021 05:18	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.2021 05:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.04.2021 05:18	
4-Bromofluorobenzene	460-00-4	104	%	70-130	02.04.2021 05:18	

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Certificate of Analytical Results 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id: **SW7b** Matrix: Soil Date Received:02.03.2021 12:11

Lab Sample Id: 687058-002 Date Collected: 02.01.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 02.04.2021 08:40 % Moisture:

Seq Number: 3150095 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**13.1**	4.98	mg/kg	02.04.2021 11:03		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.05.2021 17:00 % Moisture:

Seq Number: 3150321 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.05.2021 23:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.05.2021 23:40	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.05.2021 23:40	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.05.2021 23:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	71	%	70-130	02.05.2021 23:40	
o-Terphenyl	84-15-1	90	%	70-130	02.05.2021 23:40	

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Certificate of Analytical Results 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SW7b**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-002	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.2021 05:39	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.2021 05:39	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.2021 05:39	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.2021 05:39	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.2021 05:39	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.2021 05:39	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.2021 05:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	92	%	70-130	02.04.2021 05:39	
4-Bromofluorobenzene	460-00-4	104	%	70-130	02.04.2021 05:39	

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Certificate of Analytical Results 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SW8**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-003	Date Collected:	02.01.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 08:40	% Moisture:	
Seq Number:	3150095			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**268**	4.99	mg/kg	02.04.2021 11:09		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150321			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 00:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 00:01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 00:01	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 00:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	70	%	70-130	02.06.2021 00:01	
o-Terphenyl	84-15-1	86	%	70-130	02.06.2021 00:01	

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Certificate of Analytical Results 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SW8**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-003	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.2021 05:59	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.2021 05:59	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.2021 05:59	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.04.2021 05:59	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.2021 05:59	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.2021 05:59	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.2021 05:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	102	%	70-130	02.04.2021 05:59	
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.04.2021 05:59	

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Certificate of Analytical Results 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SW9b**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-004	Date Collected:	02.01.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 08:40	% Moisture:	
Seq Number:	3150095			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5.54**	5.02	mg/kg	02.04.2021 11:24		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150321			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 00:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 00:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 00:23	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 00:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	71	%	70-130	02.06.2021 00:23	
o-Terphenyl	84-15-1	87	%	70-130	02.06.2021 00:23	

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Certificate of Analytical Results 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SW9b**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-004	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.04.2021 06:20	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.04.2021 06:20	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.04.2021 06:20	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	02.04.2021 06:20	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.04.2021 06:20	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	02.04.2021 06:20	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.04.2021 06:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	109	%	70-130	02.04.2021 06:20	
1,4-Difluorobenzene	540-36-3	94	%	70-130	02.04.2021 06:20	

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Certificate of Analytical Results 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id: **SW10b** Matrix: Soil Date Received:02.03.2021 12:11

Lab Sample Id: 687058-005 Date Collected: 02.01.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 02.04.2021 08:40 % Moisture:

Seq Number: 3150095 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5.21**	4.95	mg/kg	02.04.2021 11:29		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.05.2021 17:00 % Moisture:

Seq Number: 3150321 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 00:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 00:45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 00:45	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 00:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	72	%	70-130	02.06.2021 00:45	
o-Terphenyl	84-15-1	93	%	70-130	02.06.2021 00:45	

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Certificate of Analytical Results 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SW10b**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-005	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.04.2021 06:40	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.04.2021 06:40	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.04.2021 06:40	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	02.04.2021 06:40	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.04.2021 06:40	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	02.04.2021 06:40	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.04.2021 06:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	105	%	70-130	02.04.2021 06:40	
1,4-Difluorobenzene	540-36-3	94	%	70-130	02.04.2021 06:40	

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Certificate of Analytical Results 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id: **SW11** Matrix: Soil Date Received:02.03.2021 12:11

Lab Sample Id: 687058-006 Date Collected: 02.01.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 02.04.2021 08:40 % Moisture:

Seq Number: 3150095 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**137**	5.00	mg/kg	02.04.2021 11:34		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.05.2021 17:00 % Moisture:

Seq Number: 3150321 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.06.2021 01:07	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.06.2021 01:07	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.06.2021 01:07	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.06.2021 01:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	79	%	70-130	02.06.2021 01:07	
o-Terphenyl	84-15-1	95	%	70-130	02.06.2021 01:07	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SW11**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-006	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.2021 07:01	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.2021 07:01	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.2021 07:01	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.04.2021 07:01	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.2021 07:01	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.2021 07:01	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.2021 07:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.04.2021 07:01	
4-Bromofluorobenzene	460-00-4	103	%	70-130	02.04.2021 07:01	

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Landes Pond Release

Sample Id: **SW12** Matrix: Soil Date Received:02.03.2021 12:11

Lab Sample Id: 687058-007 Date Collected: 02.01.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 02.04.2021 08:40 % Moisture:

Seq Number: 3150095 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**216**	5.00	mg/kg	02.04.2021 11:40		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.05.2021 17:00 % Moisture:

Seq Number: 3150321 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 01:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 01:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 01:29	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 01:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	69	%	70-130	02.06.2021 01:29	**
o-Terphenyl	84-15-1	85	%	70-130	02.06.2021 01:29	

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Certificate of Analytical Results 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SW12**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-007	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.2021 07:21	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.2021 07:21	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.2021 07:21	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.04.2021 07:21	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.2021 07:21	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.2021 07:21	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.2021 07:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.04.2021 07:21	
4-Bromofluorobenzene	460-00-4	104	%	70-130	02.04.2021 07:21	

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Landes Pond Release

Sample Id: **SW13** Matrix: Soil Date Received:02.03.2021 12:11

Lab Sample Id: 687058-008 Date Collected: 02.01.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 02.04.2021 08:40 % Moisture:

Seq Number: 3150095 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**74.5**	5.00	mg/kg	02.04.2021 11:45		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.05.2021 17:00 % Moisture:

Seq Number: 3150321 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 01:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 01:51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 01:51	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 01:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	73	%	70-130	02.06.2021 01:51	
o-Terphenyl	84-15-1	91	%	70-130	02.06.2021 01:51	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SW13**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-008	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.04.2021 07:41	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.04.2021 07:41	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.04.2021 07:41	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.04.2021 07:41	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.04.2021 07:41	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.04.2021 07:41	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.04.2021 07:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	94	%	70-130	02.04.2021 07:41	
4-Bromofluorobenzene	460-00-4	107	%	70-130	02.04.2021 07:41	

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Landes Pond Release

Sample Id: **SW14** Matrix: Soil Date Received:02.03.2021 12:11

Lab Sample Id: 687058-009 Date Collected: 02.01.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 02.04.2021 08:40 % Moisture:

Seq Number: 3150095 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**182**	5.04	mg/kg	02.04.2021 11:50		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.05.2021 17:00 % Moisture:

Seq Number: 3150321 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 02:12	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 02:12	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 02:12	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 02:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	74	%	70-130	02.06.2021 02:12	
o-Terphenyl	84-15-1	90	%	70-130	02.06.2021 02:12	

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Landes Pond Release

Sample Id:	**SW14**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-009	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.2021 00:27	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.2021 00:27	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.2021 00:27	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.2021 00:27	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.2021 00:27	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.2021 00:27	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.2021 00:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	02.04.2021 00:27	
4-Bromofluorobenzene	460-00-4	100	%	70-130	02.04.2021 00:27	

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Landes Pond Release

Sample Id: **SW15** Matrix: Soil Date Received:02.03.2021 12:11

Lab Sample Id: 687058-010 Date Collected: 02.01.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 02.04.2021 08:40 % Moisture:

Seq Number: 3150095 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**44.0**	4.97	mg/kg	02.04.2021 11:55		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.05.2021 17:00 % Moisture:

Seq Number: 3150321 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 02:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 02:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 02:34	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 02:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	70	%	70-130	02.06.2021 02:34	
o-Terphenyl	84-15-1	85	%	70-130	02.06.2021 02:34	

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Landes Pond Release

Sample Id:	**SW15**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-010	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.2021 00:48	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.2021 00:48	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.2021 00:48	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.2021 00:48	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.2021 00:48	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.2021 00:48	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.2021 00:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	114	%	70-130	02.04.2021 00:48	
1,4-Difluorobenzene	540-36-3	108	%	70-130	02.04.2021 00:48	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SW16**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-011	Date Collected:	02.01.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 09:40	% Moisture:	
Seq Number:	3150086			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**171**	5.00	mg/kg	02.04.2021 12:04		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150321			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 03:18	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 03:18	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 03:18	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 03:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	76	%	70-130	02.06.2021 03:18	
o-Terphenyl	84-15-1	91	%	70-130	02.06.2021 03:18	

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Landes Pond Release

Sample Id:	**SW16**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-011	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.04.2021 01:08	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.04.2021 01:08	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.04.2021 01:08	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	02.04.2021 01:08	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.04.2021 01:08	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	02.04.2021 01:08	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.04.2021 01:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	107	%	70-130	02.04.2021 01:08	
4-Bromofluorobenzene	460-00-4	111	%	70-130	02.04.2021 01:08	

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Landes Pond Release

Sample Id:	**NW4-2'F**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-012	Date Collected:	02.01.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 09:40	% Moisture:	
Seq Number:	3150086			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1460**	24.8	mg/kg	02.04.2021 12:20		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150321			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 03:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 03:40	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 03:40	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 03:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	70	%	70-130	02.06.2021 03:40	
o-Terphenyl	84-15-1	84	%	70-130	02.06.2021 03:40	

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Landes Pond Release

Sample Id:	**NW4-2'F**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-012	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.2021 01:29	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.2021 01:29	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.2021 01:29	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.04.2021 01:29	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.2021 01:29	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.2021 01:29	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.2021 01:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	115	%	70-130	02.04.2021 01:29	
1,4-Difluorobenzene	540-36-3	107	%	70-130	02.04.2021 01:29	

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Certificate of Analytical Results 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id: **NW5-2'F** Matrix: Soil Date Received:02.03.2021 12:11

Lab Sample Id: 687058-013 Date Collected: 02.01.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 02.04.2021 09:40 % Moisture:

Seq Number: 3150086 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**732**	25.2	mg/kg	02.04.2021 12:25		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.05.2021 17:00 % Moisture:

Seq Number: 3150321 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 04:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 04:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 04:02	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 04:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	71	%	70-130	02.06.2021 04:02	
o-Terphenyl	84-15-1	87	%	70-130	02.06.2021 04:02	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NW5-2'F**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-013	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.2021 01:49	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.2021 01:49	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.2021 01:49	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.2021 01:49	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.2021 01:49	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.2021 01:49	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.2021 01:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	106	%	70-130	02.04.2021 01:49	
4-Bromofluorobenzene	460-00-4	114	%	70-130	02.04.2021 01:49	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id: **NW6** Matrix: Soil Date Received:02.03.2021 12:11

Lab Sample Id: 687058-014 Date Collected: 02.01.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 02.04.2021 09:40 % Moisture:

Seq Number: 3150086 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**119**	4.99	mg/kg	02.04.2021 12:31		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.05.2021 17:00 % Moisture:

Seq Number: 3150321 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 04:25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 04:25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 04:25	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 04:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	76	%	70-130	02.06.2021 04:25	
o-Terphenyl	84-15-1	92	%	70-130	02.06.2021 04:25	

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Landes Pond Release

Sample Id:	**NW6**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-014	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.2021 02:10	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.2021 02:10	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.2021 02:10	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.2021 02:10	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.2021 02:10	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.2021 02:10	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.2021 02:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	120	%	70-130	02.04.2021 02:10	
1,4-Difluorobenzene	540-36-3	112	%	70-130	02.04.2021 02:10	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NW7**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-015	Date Collected:	02.01.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 09:40	% Moisture:	
Seq Number:	3150086			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**418**	4.97	mg/kg	02.04.2021 12:36		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150321			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.06.2021 04:46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.06.2021 04:46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.06.2021 04:46	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.06.2021 04:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	84	%	70-130	02.06.2021 04:46	
o-Terphenyl	84-15-1	103	%	70-130	02.06.2021 04:46	

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Landes Pond Release

Sample Id:	**NW7**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-015	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.04.2021 02:31	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.04.2021 02:31	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.04.2021 02:31	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.04.2021 02:31	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.04.2021 02:31	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.04.2021 02:31	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.04.2021 02:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	02.04.2021 02:31	
1,4-Difluorobenzene	540-36-3	108	%	70-130	02.04.2021 02:31	

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Landes Pond Release

Sample Id: **NW8b** Matrix: Soil Date Received:02.03.2021 12:11

Lab Sample Id: 687058-016 Date Collected: 02.01.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 02.04.2021 09:40 % Moisture:

Seq Number: 3150086 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**65.6**	5.00	mg/kg	02.04.2021 12:52		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.05.2021 17:00 % Moisture:

Seq Number: 3150321 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 05:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 05:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 05:08	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 05:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	70	%	70-130	02.06.2021 05:08	
o-Terphenyl	84-15-1	91	%	70-130	02.06.2021 05:08	

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Landes Pond Release

Sample Id:	**NW8b**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-016	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.04.2021 02:51	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.04.2021 02:51	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.04.2021 02:51	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	02.04.2021 02:51	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.04.2021 02:51	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	02.04.2021 02:51	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.04.2021 02:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	02.04.2021 02:51	
4-Bromofluorobenzene	460-00-4	117	%	70-130	02.04.2021 02:51	

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Landes Pond Release

Sample Id:	**NW9b**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-017	Date Collected:	02.01.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 09:40	% Moisture:	
Seq Number:	3150086			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**35.9**	5.03	mg/kg	02.04.2021 12:57		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150321			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 05:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 05:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 05:29	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 05:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	72	%	70-130	02.06.2021 05:29	
o-Terphenyl	84-15-1	94	%	70-130	02.06.2021 05:29	

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Landes Pond Release

Sample Id:	**NW9b**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-017	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.2021 03:12	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.2021 03:12	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.2021 03:12	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.2021 03:12	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.2021 03:12	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.2021 03:12	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.2021 03:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	02.04.2021 03:12	
4-Bromofluorobenzene	460-00-4	114	%	70-130	02.04.2021 03:12	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id: **NW10** Matrix: Soil Date Received:02.03.2021 12:11

Lab Sample Id: 687058-018 Date Collected: 02.01.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 02.04.2021 09:40 % Moisture:

Seq Number: 3150086 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**389**	5.00	mg/kg	02.04.2021 13:03		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.05.2021 17:00 % Moisture:

Seq Number: 3150321 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 05:50	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 05:50	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 05:50	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 05:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	65	%	70-130	02.06.2021 05:50	**
o-Terphenyl	84-15-1	85	%	70-130	02.06.2021 05:50	

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Landes Pond Release

Sample Id:	**NW10**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-018	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.2021 03:33	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.2021 03:33	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.2021 03:33	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.04.2021 03:33	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.2021 03:33	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.2021 03:33	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.2021 03:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	115	%	70-130	02.04.2021 03:33	
1,4-Difluorobenzene	540-36-3	110	%	70-130	02.04.2021 03:33	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id: **NW11** Matrix: Soil Date Received:02.03.2021 12:11

Lab Sample Id: 687058-019 Date Collected: 02.01.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 02.04.2021 09:40 % Moisture:

Seq Number: 3150086 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**75.9**	4.95	mg/kg	02.04.2021 13:08		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.05.2021 17:00 % Moisture:

Seq Number: 3150321 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 06:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 06:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 06:10	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 06:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	68	%	70-130	02.06.2021 06:10	**
o-Terphenyl	84-15-1	89	%	70-130	02.06.2021 06:10	

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Landes Pond Release

Sample Id:	**NW11**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-019	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.04.2021 04:55	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.04.2021 04:55	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.04.2021 04:55	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.04.2021 04:55	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.04.2021 04:55	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.04.2021 04:55	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.04.2021 04:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	106	%	70-130	02.04.2021 04:55	
1,4-Difluorobenzene	540-36-3	106	%	70-130	02.04.2021 04:55	

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Certificate of Analytical Results 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NW12b**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-020	Date Collected:	02.01.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 09:40	% Moisture:	
Seq Number:	3150086			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**35.3**	4.98	mg/kg	02.04.2021 13:13		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150321			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.06.2021 06:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.06.2021 06:31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.06.2021 06:31	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.06.2021 06:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	70	%	70-130	02.06.2021 06:31	
o-Terphenyl	84-15-1	95	%	70-130	02.06.2021 06:31	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NW12b**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-020	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.04.2021 05:16	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.04.2021 05:16	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.04.2021 05:16	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	02.04.2021 05:16	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.04.2021 05:16	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	02.04.2021 05:16	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.04.2021 05:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	112	%	70-130	02.04.2021 05:16	
4-Bromofluorobenzene	460-00-4	115	%	70-130	02.04.2021 05:16	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NW13b**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-021	Date Collected:	02.01.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 09:40	% Moisture:	
Seq Number:	3150086			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**45.8**	4.95	mg/kg	02.04.2021 13:19	X	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.05.2021 22:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.05.2021 22:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.05.2021 22:36	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.05.2021 22:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-130	02.05.2021 22:36	
o-Terphenyl	84-15-1	94	%	70-130	02.05.2021 22:36	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NW13b**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-021	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.2021 05:36	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.2021 05:36	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.2021 05:36	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.04.2021 05:36	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.2021 05:36	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.2021 05:36	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.2021 05:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	110	%	70-130	02.04.2021 05:36	
1,4-Difluorobenzene	540-36-3	111	%	70-130	02.04.2021 05:36	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NW14**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-022	Date Collected:	02.01.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 09:40	% Moisture:	
Seq Number:	3150086			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**183**	4.97	mg/kg	02.04.2021 13:35		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.05.2021 23:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.05.2021 23:40	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.05.2021 23:40	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.05.2021 23:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	70	%	70-130	02.05.2021 23:40	
o-Terphenyl	84-15-1	76	%	70-130	02.05.2021 23:40	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NW14**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-022	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	02.04.2021 05:57	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	02.04.2021 05:57	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	02.04.2021 05:57	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	02.04.2021 05:57	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	02.04.2021 05:57	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	02.04.2021 05:57	U	1
Total BTEX		<0.00198	0.00198	mg/kg	02.04.2021 05:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	106	%	70-130	02.04.2021 05:57	
4-Bromofluorobenzene	460-00-4	104	%	70-130	02.04.2021 05:57	

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Landes Pond Release

Sample Id: **NW15b** Matrix: Soil Date Received:02.03.2021 12:11

Lab Sample Id: 687058-023 Date Collected: 02.01.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 02.04.2021 09:40 % Moisture:

Seq Number: 3150086 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**331**	5.03	mg/kg	02.04.2021 13:40		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.05.2021 17:00 % Moisture:

Seq Number: 3150323 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 00:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 00:01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 00:01	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 00:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	77	%	70-130	02.06.2021 00:01	
o-Terphenyl	84-15-1	86	%	70-130	02.06.2021 00:01	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NW15b**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-023	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.04.2021 06:17	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.04.2021 06:17	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.04.2021 06:17	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.04.2021 06:17	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.04.2021 06:17	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.04.2021 06:17	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.04.2021 06:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	02.04.2021 06:17	
1,4-Difluorobenzene	540-36-3	110	%	70-130	02.04.2021 06:17	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NW16**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-024	Date Collected:	02.01.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 09:40	% Moisture:	
Seq Number:	3150086			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**329**	4.96	mg/kg	02.04.2021 13:56		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 00:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 00:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 00:23	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 00:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	65	%	70-130	02.06.2021 00:23	**
o-Terphenyl	84-15-1	72	%	70-130	02.06.2021 00:23	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NW16**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-024	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	02.04.2021 06:38	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	02.04.2021 06:38	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	02.04.2021 06:38	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	02.04.2021 06:38	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	02.04.2021 06:38	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	02.04.2021 06:38	U	1
Total BTEX		<0.00198	0.00198	mg/kg	02.04.2021 06:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	108	%	70-130	02.04.2021 06:38	
4-Bromofluorobenzene	460-00-4	116	%	70-130	02.04.2021 06:38	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL171**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-025	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 09:40	% Moisture:	
Seq Number:	3150086			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**83.9**	4.99	mg/kg	02.04.2021 14:01		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 00:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 00:45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 00:45	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 00:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	68	%	70-130	02.06.2021 00:45	**
o-Terphenyl	84-15-1	75	%	70-130	02.06.2021 00:45	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL171**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-025	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.2021 06:59	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.2021 06:59	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.2021 06:59	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.04.2021 06:59	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.2021 06:59	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.2021 06:59	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.2021 06:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	109	%	70-130	02.04.2021 06:59	
1,4-Difluorobenzene	540-36-3	108	%	70-130	02.04.2021 06:59	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL172**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-026	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 09:40	% Moisture:	
Seq Number:	3150086			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**228**	5.00	mg/kg	02.04.2021 14:06		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.06.2021 01:07	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.06.2021 01:07	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.06.2021 01:07	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.06.2021 01:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	70	%	70-130	02.06.2021 01:07	
o-Terphenyl	84-15-1	77	%	70-130	02.06.2021 01:07	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL172**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-026	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.04.2021 07:19	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.04.2021 07:19	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.04.2021 07:19	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.04.2021 07:19	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.04.2021 07:19	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.04.2021 07:19	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.04.2021 07:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	113	%	70-130	02.04.2021 07:19	
4-Bromofluorobenzene	460-00-4	125	%	70-130	02.04.2021 07:19	

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Certificate of Analytical Results 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL173**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-027	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 09:40	% Moisture:	
Seq Number:	3150086			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**108**	5.00	mg/kg	02.04.2021 14:12		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 01:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 01:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 01:29	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 01:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-130	02.06.2021 01:29	
o-Terphenyl	84-15-1	122	%	70-130	02.06.2021 01:29	

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Certificate of Analytical Results 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL173**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-027	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.04.2021 07:40	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.04.2021 07:40	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.04.2021 07:40	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	02.04.2021 07:40	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.04.2021 07:40	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	02.04.2021 07:40	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.04.2021 07:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	112	%	70-130	02.04.2021 07:40	
1,4-Difluorobenzene	540-36-3	112	%	70-130	02.04.2021 07:40	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL174**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-028	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 09:40	% Moisture:	
Seq Number:	3150086			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**114**	5.00	mg/kg	02.04.2021 14:17		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 01:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 01:51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 01:51	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 01:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	72	%	70-130	02.06.2021 01:51	
o-Terphenyl	84-15-1	82	%	70-130	02.06.2021 01:51	

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Certificate of Analytical Results 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL174**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-028	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.2021 08:00	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.2021 08:00	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.2021 08:00	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.04.2021 08:00	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.2021 08:00	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.2021 08:00	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.2021 08:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	106	%	70-130	02.04.2021 08:00	
1,4-Difluorobenzene	540-36-3	110	%	70-130	02.04.2021 08:00	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL175**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-029	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 09:40	% Moisture:	
Seq Number:	3150086			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**80.3**	5.04	mg/kg	02.04.2021 14:22		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 02:12	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 02:12	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 02:12	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 02:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	64	%	70-130	02.06.2021 02:12	**
o-Terphenyl	84-15-1	71	%	70-130	02.06.2021 02:12	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL175**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-029	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.04.2021 11:45	% Moisture:	
Seq Number:	3150088			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.2021 15:02	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.2021 15:02	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.2021 15:02	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.2021 15:02	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.2021 15:02	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.2021 15:02	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.2021 15:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	100	%	70-130	02.04.2021 15:02	
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.04.2021 15:02	

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Landes Pond Release

Sample Id:	**FL176**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-030	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 09:40	% Moisture:	
Seq Number:	3150086			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**77.5**	5.05	mg/kg	02.04.2021 14:28		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.06.2021 02:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.06.2021 02:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.06.2021 02:34	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.06.2021 02:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	69	%	70-130	02.06.2021 02:34	**
o-Terphenyl	84-15-1	73	%	70-130	02.06.2021 02:34	

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Landes Pond Release

Sample Id:	**FL176**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-030	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.04.2021 11:45	% Moisture:	
Seq Number:	3150088			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	02.04.2021 15:23	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	02.04.2021 15:23	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	02.04.2021 15:23	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	02.04.2021 15:23	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	02.04.2021 15:23	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	02.04.2021 15:23	U	1
Total BTEX		<0.00198	0.00198	mg/kg	02.04.2021 15:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	101	%	70-130	02.04.2021 15:23	
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.04.2021 15:23	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL177**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-031	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**67.5**	5.04	mg/kg	02.04.2021 14:08	X	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 03:18	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 03:18	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 03:18	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 03:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	124	%	70-130	02.06.2021 03:18	
o-Terphenyl	84-15-1	138	%	70-130	02.06.2021 03:18	**

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL177**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-031	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.04.2021 11:45	% Moisture:	
Seq Number:	3150088			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	02.04.2021 15:43	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	02.04.2021 15:43	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	02.04.2021 15:43	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	02.04.2021 15:43	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	02.04.2021 15:43	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	02.04.2021 15:43	U	1
Total BTEX		<0.00198	0.00198	mg/kg	02.04.2021 15:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	103	%	70-130	02.04.2021 15:43	
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.04.2021 15:43	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL178**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-032	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**57.1**	4.98	mg/kg	02.04.2021 14:24		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 03:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 03:40	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 03:40	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 03:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	66	%	70-130	02.06.2021 03:40	**
o-Terphenyl	84-15-1	70	%	70-130	02.06.2021 03:40	

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Landes Pond Release

Sample Id:	**FL178**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-032	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 11:00	% Moisture:	
Seq Number:	3150227			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.05.2021 14:55	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.05.2021 14:55	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.05.2021 14:55	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.05.2021 14:55	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.05.2021 14:55	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.05.2021 14:55	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.05.2021 14:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	102	%	70-130	02.05.2021 14:55	
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.05.2021 14:55	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL179**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-033	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**24.6**	4.96	mg/kg	02.04.2021 14:29		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.06.2021 04:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.06.2021 04:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.06.2021 04:02	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.06.2021 04:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	123	%	70-130	02.06.2021 04:02	
o-Terphenyl	84-15-1	134	%	70-130	02.06.2021 04:02	**

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL179**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-033	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 11:00	% Moisture:	
Seq Number:	3150227			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.05.2021 15:16	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.05.2021 15:16	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.05.2021 15:16	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.05.2021 15:16	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.05.2021 15:16	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.05.2021 15:16	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.05.2021 15:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	111	%	70-130	02.05.2021 15:16	
1,4-Difluorobenzene	540-36-3	94	%	70-130	02.05.2021 15:16	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL180**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-034	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**53.4**	4.99	mg/kg	02.04.2021 14:34		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 04:25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 04:25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 04:25	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 04:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	78	%	70-130	02.06.2021 04:25	
o-Terphenyl	84-15-1	83	%	70-130	02.06.2021 04:25	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL180**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-034	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 11:00	% Moisture:	
Seq Number:	3150227			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.05.2021 15:36	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.05.2021 15:36	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.05.2021 15:36	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.05.2021 15:36	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.05.2021 15:36	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.05.2021 15:36	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.05.2021 15:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	101	%	70-130	02.05.2021 15:36	
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.05.2021 15:36	

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Landes Pond Release

Sample Id:	**FL181**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-035	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**56.4**	5.03	mg/kg	02.04.2021 14:39		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 04:46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 04:46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 04:46	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 04:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-130	02.06.2021 04:46	
o-Terphenyl	84-15-1	98	%	70-130	02.06.2021 04:46	

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Landes Pond Release

Sample Id:	**FL181**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-035	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 11:00	% Moisture:	
Seq Number:	3150227			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.05.2021 15:56	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.05.2021 15:56	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.05.2021 15:56	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.05.2021 15:56	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.05.2021 15:56	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.05.2021 15:56	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.05.2021 15:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	96	%	70-130	02.05.2021 15:56	
4-Bromofluorobenzene	460-00-4	103	%	70-130	02.05.2021 15:56	

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Landes Pond Release

Sample Id:	**FL182**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-036	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**75.5**	5.03	mg/kg	02.04.2021 18:56		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 05:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 05:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 05:08	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 05:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-130	02.06.2021 05:08	
o-Terphenyl	84-15-1	88	%	70-130	02.06.2021 05:08	

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Landes Pond Release

Sample Id:	**FL182**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-036	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 11:00	% Moisture:	
Seq Number:	3150227			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.05.2021 16:17	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.05.2021 16:17	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.05.2021 16:17	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.05.2021 16:17	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.05.2021 16:17	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.05.2021 16:17	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.05.2021 16:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	96	%	70-130	02.05.2021 16:17	
4-Bromofluorobenzene	460-00-4	104	%	70-130	02.05.2021 16:17	

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Landes Pond Release

Sample Id:	**FL183**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-037	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**22.8**	5.00	mg/kg	02.04.2021 19:01		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.06.2021 05:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.06.2021 05:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.06.2021 05:29	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.06.2021 05:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-130	02.06.2021 05:29	
o-Terphenyl	84-15-1	91	%	70-130	02.06.2021 05:29	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL183**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-037	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150258			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.06.2021 13:53	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.06.2021 13:53	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.06.2021 13:53	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.06.2021 13:53	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.06.2021 13:53	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.06.2021 13:53	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.06.2021 13:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	154	%	70-130	02.06.2021 13:53	**
1,4-Difluorobenzene	540-36-3	115	%	70-130	02.06.2021 13:53	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL184**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-038	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**27.0**	5.00	mg/kg	02.04.2021 19:06		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 05:50	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 05:50	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 05:50	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 05:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-130	02.06.2021 05:50	
o-Terphenyl	84-15-1	99	%	70-130	02.06.2021 05:50	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL184**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-038	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 16:00	% Moisture:	
Seq Number:	3150275			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.06.2021 01:07	UX	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.06.2021 01:07	UX	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.06.2021 01:07	UX	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.06.2021 01:07	UX	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.06.2021 01:07	UX	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.06.2021 01:07	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.06.2021 01:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	02.06.2021 01:07	
4-Bromofluorobenzene	460-00-4	102	%	70-130	02.06.2021 01:07	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id: **FL 185** Matrix: Soil Date Received:02.03.2021 12:11

Lab Sample Id: 687058-039 Date Collected: 02.01.2021 00:00 Sample Depth: 6 In

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 02.04.2021 10:00 % Moisture:

Seq Number: 3150096 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**32.6**	5.00	mg/kg	02.04.2021 19:11		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.05.2021 17:00 % Moisture:

Seq Number: 3150323 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 06:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 06:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 06:10	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 06:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-130	02.06.2021 06:10	
o-Terphenyl	84-15-1	102	%	70-130	02.06.2021 06:10	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 185**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-039	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 16:00	% Moisture:	
Seq Number:	3150275			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.06.2021 01:28	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.06.2021 01:28	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.06.2021 01:28	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.06.2021 01:28	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.06.2021 01:28	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.06.2021 01:28	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.06.2021 01:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	02.06.2021 01:28	
4-Bromofluorobenzene	460-00-4	97	%	70-130	02.06.2021 01:28	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL186**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-040	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**43.9**	5.02	mg/kg	02.04.2021 19:16		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.06.2021 06:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.06.2021 06:31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.06.2021 06:31	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.06.2021 06:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-130	02.06.2021 06:31	
o-Terphenyl	84-15-1	105	%	70-130	02.06.2021 06:31	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL186**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-040	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 16:00	% Moisture:	
Seq Number:	3150275			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.06.2021 01:49	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.06.2021 01:49	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.06.2021 01:49	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.06.2021 01:49	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.06.2021 01:49	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.06.2021 01:49	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.06.2021 01:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	113	%	70-130	02.06.2021 01:49	
1,4-Difluorobenzene	540-36-3	91	%	70-130	02.06.2021 01:49	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL187**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-041	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**35.6**	4.95	mg/kg	02.04.2021 19:22		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.06.2021 09:00	% Moisture:	
Seq Number:	3150326			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 13:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 13:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 13:10	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 13:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	78	%	70-130	02.06.2021 13:10	
o-Terphenyl	84-15-1	90	%	70-130	02.06.2021 13:10	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL187**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-041	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 16:00	% Moisture:	
Seq Number:	3150275			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.06.2021 02:09	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.06.2021 02:09	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.06.2021 02:09	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.06.2021 02:09	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.06.2021 02:09	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.06.2021 02:09	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.06.2021 02:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	99	%	70-130	02.06.2021 02:09	
4-Bromofluorobenzene	460-00-4	103	%	70-130	02.06.2021 02:09	

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Landes Pond Release

Sample Id:	**FL188**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-042	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**48.7**	4.96	mg/kg	02.04.2021 19:37		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.06.2021 09:00	% Moisture:	
Seq Number:	3150326			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 14:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 14:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 14:14	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 14:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	80	%	70-130	02.06.2021 14:14	
o-Terphenyl	84-15-1	94	%	70-130	02.06.2021 14:14	

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Landes Pond Release

Sample Id:	**FL188**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-042	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 16:00	% Moisture:	
Seq Number:	3150275			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.06.2021 02:30	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.06.2021 02:30	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.06.2021 02:30	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.06.2021 02:30	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.06.2021 02:30	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.06.2021 02:30	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.06.2021 02:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	02.06.2021 02:30	
4-Bromofluorobenzene	460-00-4	100	%	70-130	02.06.2021 02:30	

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Landes Pond Release

Sample Id:	**FL189**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-043	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**6.93**	4.99	mg/kg	02.04.2021 19:42		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.06.2021 09:00	% Moisture:	
Seq Number:	3150326			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 14:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 14:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 14:34	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 14:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	80	%	70-130	02.06.2021 14:34	
o-Terphenyl	84-15-1	92	%	70-130	02.06.2021 14:34	

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Landes Pond Release

Sample Id:	**FL189**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-043	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 16:00	% Moisture:	
Seq Number:	3150275			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.06.2021 02:50	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.06.2021 02:50	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.06.2021 02:50	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.06.2021 02:50	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.06.2021 02:50	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.06.2021 02:50	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.06.2021 02:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	104	%	70-130	02.06.2021 02:50	
1,4-Difluorobenzene	540-36-3	98	%	70-130	02.06.2021 02:50	

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Landes Pond Release

Sample Id:	**FL190**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-044	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**21.1**	4.97	mg/kg	02.04.2021 19:58		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.06.2021 09:00	% Moisture:	
Seq Number:	3150326			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.06.2021 14:55	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.06.2021 14:55	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.06.2021 14:55	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.06.2021 14:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-130	02.06.2021 14:55	
o-Terphenyl	84-15-1	101	%	70-130	02.06.2021 14:55	

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Landes Pond Release

Sample Id:	**FL190**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-044	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 16:00	% Moisture:	
Seq Number:	3150275			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.06.2021 03:11	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.06.2021 03:11	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.06.2021 03:11	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.06.2021 03:11	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.06.2021 03:11	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.06.2021 03:11	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.06.2021 03:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	98	%	70-130	02.06.2021 03:11	
1,4-Difluorobenzene	540-36-3	99	%	70-130	02.06.2021 03:11	

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Landes Pond Release

Sample Id:	**FL191**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-045	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**34.7**	25.0	mg/kg	02.04.2021 20:03		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.06.2021 09:00	% Moisture:	
Seq Number:	3150326			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.06.2021 15:17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.06.2021 15:17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.06.2021 15:17	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.06.2021 15:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-130	02.06.2021 15:17	
o-Terphenyl	84-15-1	96	%	70-130	02.06.2021 15:17	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL191**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-045	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 16:00	% Moisture:	
Seq Number:	3150275			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.06.2021 03:31	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.06.2021 03:31	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.06.2021 03:31	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.06.2021 03:31	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.06.2021 03:31	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.06.2021 03:31	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.06.2021 03:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	85	%	70-130	02.06.2021 03:31	
4-Bromofluorobenzene	460-00-4	104	%	70-130	02.06.2021 03:31	

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Landes Pond Release

Sample Id:	**FL192**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-046	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**38.1**	24.8	mg/kg	02.04.2021 20:08		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.06.2021 09:00	% Moisture:	
Seq Number:	3150326			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 15:38	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 15:38	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 15:38	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 15:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-130	02.06.2021 15:38	
o-Terphenyl	84-15-1	102	%	70-130	02.06.2021 15:38	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL192**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-046	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 16:00	% Moisture:	
Seq Number:	3150275			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.06.2021 03:52	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.06.2021 03:52	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.06.2021 03:52	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.06.2021 03:52	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.06.2021 03:52	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.06.2021 03:52	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.06.2021 03:52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	97	%	70-130	02.06.2021 03:52	
4-Bromofluorobenzene	460-00-4	103	%	70-130	02.06.2021 03:52	

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Landes Pond Release

Sample Id:	**FL193**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-047	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**25.3**	4.95	mg/kg	02.05.2021 08:24		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.06.2021 09:00	% Moisture:	
Seq Number:	3150326			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 15:59	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 15:59	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 15:59	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 15:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-130	02.06.2021 15:59	
o-Terphenyl	84-15-1	96	%	70-130	02.06.2021 15:59	

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Certificate of Analytical Results 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL193**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-047	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 16:00	% Moisture:	
Seq Number:	3150275			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.06.2021 04:12	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.06.2021 04:12	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.06.2021 04:12	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.06.2021 04:12	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.06.2021 04:12	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.06.2021 04:12	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.06.2021 04:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	100	%	70-130	02.06.2021 04:12	
1,4-Difluorobenzene	540-36-3	98	%	70-130	02.06.2021 04:12	

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Certificate of Analytical Results 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL194**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-048	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5.70**	4.95	mg/kg	02.05.2021 08:29		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.06.2021 09:00	% Moisture:	
Seq Number:	3150326			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 16:20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 16:20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 16:20	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 16:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-130	02.06.2021 16:20	
o-Terphenyl	84-15-1	96	%	70-130	02.06.2021 16:20	

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Certificate of Analytical Results 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL194**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-048	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 16:00	% Moisture:	
Seq Number:	3150275			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.06.2021 05:36	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.06.2021 05:36	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.06.2021 05:36	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.06.2021 05:36	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.06.2021 05:36	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.06.2021 05:36	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.06.2021 05:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	110	%	70-130	02.06.2021 05:36	
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.06.2021 05:36	

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Certificate of Analytical Results 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL195**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-049	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**14.3**	5.04	mg/kg	02.05.2021 08:34		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.06.2021 09:00	% Moisture:	
Seq Number:	3150326			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 16:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 16:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 16:41	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 16:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-130	02.06.2021 16:41	
o-Terphenyl	84-15-1	97	%	70-130	02.06.2021 16:41	

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Certificate of Analytical Results 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL195**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-049	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 16:00	% Moisture:	
Seq Number:	3150275			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.06.2021 05:56	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.06.2021 05:56	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.06.2021 05:56	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.06.2021 05:56	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.06.2021 05:56	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.06.2021 05:56	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.06.2021 05:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	109	%	70-130	02.06.2021 05:56	
1,4-Difluorobenzene	540-36-3	96	%	70-130	02.06.2021 05:56	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL196**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-050	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.96	4.96	mg/kg	02.05.2021 08:39	U	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.06.2021 09:00	% Moisture:	
Seq Number:	3150326			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 17:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 17:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 17:02	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 17:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	80	%	70-130	02.06.2021 17:02	
o-Terphenyl	84-15-1	94	%	70-130	02.06.2021 17:02	

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Certificate of Analytical Results 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL196**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-050	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 16:00	% Moisture:	
Seq Number:	3150275			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.06.2021 06:16	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.06.2021 06:16	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.06.2021 06:16	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.06.2021 06:16	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.06.2021 06:16	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.06.2021 06:16	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.06.2021 06:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	110	%	70-130	02.06.2021 06:16	
1,4-Difluorobenzene	540-36-3	93	%	70-130	02.06.2021 06:16	

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Certificate of Analytical Results 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL197**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-051	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:20	% Moisture:	
Seq Number:	3149983			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**8.41**	5.02	mg/kg	02.04.2021 11:11		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.06.2021 09:00	% Moisture:	
Seq Number:	3150326			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.06.2021 17:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.06.2021 17:44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.06.2021 17:44	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.06.2021 17:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	81	%	70-130	02.06.2021 17:44	
o-Terphenyl	84-15-1	94	%	70-130	02.06.2021 17:44	

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Certificate of Analytical Results 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL197**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-051	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 16:00	% Moisture:	
Seq Number:	3150275			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.06.2021 06:37	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.06.2021 06:37	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.06.2021 06:37	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.06.2021 06:37	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.06.2021 06:37	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.06.2021 06:37	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.06.2021 06:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	70-130	02.06.2021 06:37	
1,4-Difluorobenzene	540-36-3	92	%	70-130	02.06.2021 06:37	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 687058

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3150095 — Matrix: Solid — Date Prep: 02.04.2021
MB Sample Id: 7720748-1-BLK — LCS Sample Id: 7720748-1-BKS — LCSD Sample Id: 7720748-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	251	100	251	100	90-110	0	20	mg/kg	02.04.2021 09:25	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3150086 — Matrix: Solid — Date Prep: 02.04.2021
MB Sample Id: 7720749-1-BLK — LCS Sample Id: 7720749-1-BKS — LCSD Sample Id: 7720749-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	242	97	241	96	90-110	0	20	mg/kg	02.04.2021 11:54	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3150096 — Matrix: Solid — Date Prep: 02.04.2021
MB Sample Id: 7720751-1-BLK — LCS Sample Id: 7720751-1-BKS — LCSD Sample Id: 7720751-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	274	110	274	110	90-110	0	20	mg/kg	02.04.2021 13:58	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149983 — Matrix: Solid — Date Prep: 02.04.2021
MB Sample Id: 7720769-1-BLK — LCS Sample Id: 7720769-1-BKS — LCSD Sample Id: 7720769-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	251	100	249	100	90-110	1	20	mg/kg	02.04.2021 10:27	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3150095 — Matrix: Soil — Date Prep: 02.04.2021
Parent Sample Id: 687057-018 — MS Sample Id: 687057-018 S — MSD Sample Id: 687057-018 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	19.8	252	290	107	290	107	90-110	0	20	mg/kg	02.04.2021 09:40	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3150095 — Matrix: Soil — Date Prep: 02.04.2021
Parent Sample Id: 687058-001 — MS Sample Id: 687058-001 S — MSD Sample Id: 687058-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	119	253	388	106	397	110	90-110	2	20	mg/kg	02.04.2021 10:53	

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 687058

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3150086 — Matrix: Soil — Date Prep: 02.04.2021
Parent Sample Id: 687058-011 — MS Sample Id: 687058-011 S — MSD Sample Id: 687058-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	171	250	427	102	426	102	90-110	0	20	mg/kg	02.04.2021 12:09	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3150086 — Matrix: Soil — Date Prep: 02.04.2021
Parent Sample Id: 687058-021 — MS Sample Id: 687058-021 S — MSD Sample Id: 687058-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	45.8	248	302	103	326	113	90-110	8	20	mg/kg	02.04.2021 13:24	X

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3150096 — Matrix: Soil — Date Prep: 02.04.2021
Parent Sample Id: 687058-031 — MS Sample Id: 687058-031 S — MSD Sample Id: 687058-031 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	67.5	252	371	120	349	112	90-110	6	20	mg/kg	02.04.2021 14:13	X

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3150096 — Matrix: Soil — Date Prep: 02.04.2021
Parent Sample Id: 687058-041 — MS Sample Id: 687058-041 S — MSD Sample Id: 687058-041 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	35.6	248	303	108	302	107	90-110	0	20	mg/kg	02.04.2021 19:27	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149983 — Matrix: Soil — Date Prep: 02.04.2021
Parent Sample Id: 687279-001 — MS Sample Id: 687279-001 S — MSD Sample Id: 687279-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	1320	250	1410	36	1420	40	90-110	1	20	mg/kg	02.04.2021 10:44	X

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Final 1.000

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Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3150321 — Matrix: Solid — Date Prep: 02.05.2021
MB Sample Id: 7721007-1-BLK — LCS Sample Id: 7721007-1-BKS — LCSD Sample Id: 7721007-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	901	90	843	84	70-130	7	20	mg/kg	02.05.2021 21:53	
Diesel Range Organics (DRO)	<50.0	1000	819	82	814	81	70-130	1	20	mg/kg	02.05.2021 21:53	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	88		75		83		70-130	%	02.05.2021 21:53
o-Terphenyl	109		88		94		70-130	%	02.05.2021 21:53

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3150323 — Matrix: Solid — Date Prep: 02.05.2021
MB Sample Id: 7721009-1-BLK — LCS Sample Id: 7721009-1-BKS — LCSD Sample Id: 7721009-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	962	96	1010	101	70-130	5	20	mg/kg	02.05.2021 21:53	
Diesel Range Organics (DRO)	<50.0	1000	862	86	920	92	70-130	7	20	mg/kg	02.05.2021 21:53	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	89		86		92		70-130	%	02.05.2021 21:53
o-Terphenyl	103		90		95		70-130	%	02.05.2021 21:53

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3150326 — Matrix: Solid — Date Prep: 02.06.2021
MB Sample Id: 7721014-1-BLK — LCS Sample Id: 7721014-1-BKS — LCSD Sample Id: 7721014-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1090	109	1020	102	70-130	7	20	mg/kg	02.06.2021 12:28	
Diesel Range Organics (DRO)	<50.0	1000	1020	102	950	95	70-130	7	20	mg/kg	02.06.2021 12:28	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	91		98		92		70-130	%	02.06.2021 12:28
o-Terphenyl	106		100		92		70-130	%	02.06.2021 12:28

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3150321 — Matrix: Solid — Date Prep: 02.05.2021
MB Sample Id: 7721007-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.05.2021 21:32	

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3150323 — Matrix: Solid — Date Prep: 02.05.2021
MB Sample Id: 7721009-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.05.2021 21:32	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3150326 — Matrix: Solid — Date Prep: 02.06.2021
MB Sample Id: 7721014-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.06.2021 12:07	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3150321 — Matrix: Soil — Date Prep: 02.05.2021
Parent Sample Id: 687058-001 — MS Sample Id: 687058-001 S — MSD Sample Id: 687058-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	999	838	84	904	91	70-130	8	20	mg/kg	02.05.2021 22:57	
Diesel Range Organics (DRO)	<50.0	999	805	81	805	81	70-130	0	20	mg/kg	02.05.2021 22:57	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	73		80		70-130	%	02.05.2021 22:57
o-Terphenyl	79		86		70-130	%	02.05.2021 22:57

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3150323 — Matrix: Soil — Date Prep: 02.05.2021
Parent Sample Id: 687058-021 — MS Sample Id: 687058-021 S — MSD Sample Id: 687058-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	1110	111	955	96	70-130	15	20	mg/kg	02.05.2021 22:57	
Diesel Range Organics (DRO)	<49.9	997	943	95	836	84	70-130	12	20	mg/kg	02.05.2021 22:57	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	94		82		70-130	%	02.05.2021 22:57
o-Terphenyl	95		84		70-130	%	02.05.2021 22:57

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3150326 — Matrix: Soil — Date Prep: 02.06.2021
Parent Sample Id: 687058-041 — MS Sample Id: 687058-041 S — MSD Sample Id: 687058-041 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	973	98	980	98	70-130	1	20	mg/kg	02.06.2021 13:31	
Diesel Range Organics (DRO)	<49.9	997	921	92	922	93	70-130	0	20	mg/kg	02.06.2021 13:31	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	83		84		70-130	%	02.06.2021 13:31
o-Terphenyl	84		85		70-130	%	02.06.2021 13:31

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149951 — Matrix: Solid — Date Prep: 02.03.2021
MB Sample Id: 7720756-1-BLK — LCS Sample Id: 7720756-1-BKS — LCSD Sample Id: 7720756-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0974	97	0.0889	89	70-130	9	35	mg/kg	02.03.2021 21:51	
Toluene	<0.00200	0.100	0.0930	93	0.0847	85	70-130	9	35	mg/kg	02.03.2021 21:51	
Ethylbenzene	<0.00200	0.100	0.0999	100	0.0891	89	70-130	11	35	mg/kg	02.03.2021 21:51	
m,p-Xylenes	<0.00400	0.200	0.198	99	0.176	88	70-130	12	35	mg/kg	02.03.2021 21:51	
o-Xylene	<0.00200	0.100	0.0990	99	0.0887	89	70-130	11	35	mg/kg	02.03.2021 21:51	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	88		102		100		70-130	%	02.03.2021 21:51
4-Bromofluorobenzene	103		99		96		70-130	%	02.03.2021 21:51

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149961 — Matrix: Solid — Date Prep: 02.03.2021
MB Sample Id: 7720762-1-BLK — LCS Sample Id: 7720762-1-BKS — LCSD Sample Id: 7720762-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0859	86	0.0855	86	70-130	0	35	mg/kg	02.03.2021 22:05	
Toluene	<0.00200	0.100	0.0930	93	0.0919	92	70-130	1	35	mg/kg	02.03.2021 22:05	
Ethylbenzene	<0.00200	0.100	0.0907	91	0.0899	90	70-130	1	35	mg/kg	02.03.2021 22:05	
m,p-Xylenes	<0.00400	0.200	0.182	91	0.181	91	70-130	1	35	mg/kg	02.03.2021 22:05	
o-Xylene	<0.00200	0.100	0.0911	91	0.0895	90	70-130	2	35	mg/kg	02.03.2021 22:05	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	85		107		106		70-130	%	02.03.2021 22:05
4-Bromofluorobenzene	124		112		109		70-130	%	02.03.2021 22:05

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3150088 — Matrix: Solid — Date Prep: 02.04.2021
MB Sample Id: 7720846-1-BLK — LCS Sample Id: 7720846-1-BKS — LCSD Sample Id: 7720846-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0938	94	0.0944	94	70-130	1	35	mg/kg	02.04.2021 12:42	
Toluene	<0.00200	0.100	0.0890	89	0.0896	90	70-130	1	35	mg/kg	02.04.2021 12:42	
Ethylbenzene	<0.00200	0.100	0.0963	96	0.0974	97	70-130	1	35	mg/kg	02.04.2021 12:42	
m,p-Xylenes	<0.00400	0.200	0.192	96	0.195	98	70-130	2	35	mg/kg	02.04.2021 12:42	
o-Xylene	<0.00200	0.100	0.0956	96	0.0975	98	70-130	2	35	mg/kg	02.04.2021 12:42	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	90		104		103		70-130	%	02.04.2021 12:42
4-Bromofluorobenzene	103		99		103		70-130	%	02.04.2021 12:42

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3150227 — Matrix: Solid — Date Prep: 02.05.2021
MB Sample Id: 7720936-1-BLK — LCS Sample Id: 7720936-1-BKS — LCSD Sample Id: 7720936-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.112	112	0.107	107	70-130	5	35	mg/kg	02.05.2021 11:53	
Toluene	<0.00200	0.100	0.105	105	0.101	101	70-130	4	35	mg/kg	02.05.2021 11:53	
Ethylbenzene	<0.00200	0.100	0.108	108	0.105	105	70-130	3	35	mg/kg	02.05.2021 11:53	
m,p-Xylenes	<0.00400	0.200	0.216	108	0.209	105	70-130	3	35	mg/kg	02.05.2021 11:53	
o-Xylene	<0.00200	0.100	0.105	105	0.102	102	70-130	3	35	mg/kg	02.05.2021 11:53	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	89		103		101		70-130	%	02.05.2021 11:53
4-Bromofluorobenzene	100		99		100		70-130	%	02.05.2021 11:53

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3150275 — Matrix: Solid — Date Prep: 02.05.2021
MB Sample Id: 7720951-1-BLK — LCS Sample Id: 7720951-1-BKS — LCSD Sample Id: 7720951-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.112	112	0.104	104	70-130	7	35	mg/kg	02.05.2021 22:46	
Toluene	<0.00200	0.100	0.103	103	0.0962	96	70-130	7	35	mg/kg	02.05.2021 22:46	
Ethylbenzene	<0.00200	0.100	0.106	106	0.0972	97	70-130	9	35	mg/kg	02.05.2021 22:46	
m,p-Xylenes	<0.00400	0.200	0.205	103	0.190	95	70-130	8	35	mg/kg	02.05.2021 22:46	
o-Xylene	<0.00200	0.100	0.103	103	0.0912	91	70-130	12	35	mg/kg	02.05.2021 22:46	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	92		103		102		70-130	%	02.05.2021 22:46
4-Bromofluorobenzene	100		96		96		70-130	%	02.05.2021 22:46

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3150258 — Matrix: Solid — Date Prep: 02.05.2021
MB Sample Id: 7720950-1-BLK — LCS Sample Id: 7720950-1-BKS — LCSD Sample Id: 7720950-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.121	121	0.118	118	70-130	3	35	mg/kg	02.06.2021 05:46	
Toluene	<0.00200	0.100	0.115	115	0.114	114	70-130	1	35	mg/kg	02.06.2021 05:46	
Ethylbenzene	<0.00200	0.100	0.113	113	0.112	112	70-130	1	35	mg/kg	02.06.2021 05:46	
m,p-Xylenes	<0.00400	0.200	0.233	117	0.234	117	70-130	0	35	mg/kg	02.06.2021 05:46	
o-Xylene	<0.00200	0.100	0.115	115	0.116	116	70-130	1	35	mg/kg	02.06.2021 05:46	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	90		112		119		70-130	%	02.06.2021 05:46
4-Bromofluorobenzene	90		113		130		70-130	%	02.06.2021 05:46

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149951 — Matrix: Soil — Date Prep: 02.03.2021
Parent Sample Id: 687057-016 — MS Sample Id: 687057-016 S — MSD Sample Id: 687057-016 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0990	0.0671	68	0.0913	92	70-130	31	35	mg/kg	02.03.2021 22:32	X
Toluene	<0.00198	0.0990	0.0632	64	0.0842	85	70-130	28	35	mg/kg	02.03.2021 22:32	X
Ethylbenzene	<0.00198	0.0990	0.0672	68	0.0890	89	70-130	28	35	mg/kg	02.03.2021 22:32	X
m,p-Xylenes	<0.00396	0.198	0.134	68	0.178	89	70-130	28	35	mg/kg	02.03.2021 22:32	X
o-Xylene	<0.00198	0.0990	0.0675	68	0.0889	89	70-130	27	35	mg/kg	02.03.2021 22:32	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		103		70-130	%	02.03.2021 22:32
4-Bromofluorobenzene	105		102		70-130	%	02.03.2021 22:32

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149961 — Matrix: Soil — Date Prep: 02.03.2021
Parent Sample Id: 687058-009 — MS Sample Id: 687058-009 S — MSD Sample Id: 687058-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00202	0.101	0.0855	85	0.0736	74	70-130	15	35	mg/kg	02.03.2021 22:46	
Toluene	<0.00202	0.101	0.0826	82	0.0708	71	70-130	15	35	mg/kg	02.03.2021 22:46	
Ethylbenzene	<0.00202	0.101	0.0847	84	0.0709	71	70-130	18	35	mg/kg	02.03.2021 22:46	
m,p-Xylenes	<0.00403	0.202	0.164	81	0.140	70	70-130	16	35	mg/kg	02.03.2021 22:46	
o-Xylene	<0.00202	0.101	0.0822	81	0.0708	71	70-130	15	35	mg/kg	02.03.2021 22:46	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	110		110		70-130	%	02.03.2021 22:46
4-Bromofluorobenzene	118		120		70-130	%	02.03.2021 22:46

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3150088 — Matrix: Soil — Date Prep: 02.04.2021
Parent Sample Id: 687058-029 — MS Sample Id: 687058-029 S — MSD Sample Id: 687058-029 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0990	0.0785	79	0.0771	77	70-130	2	35	mg/kg	02.04.2021 13:22	
Toluene	<0.00198	0.0990	0.0733	74	0.0719	72	70-130	2	35	mg/kg	02.04.2021 13:22	
Ethylbenzene	<0.00198	0.0990	0.0783	79	0.0745	75	70-130	5	35	mg/kg	02.04.2021 13:22	
m,p-Xylenes	<0.00396	0.198	0.156	79	0.148	74	70-130	5	35	mg/kg	02.04.2021 13:22	
o-Xylene	<0.00198	0.0990	0.0783	79	0.0742	74	70-130	5	35	mg/kg	02.04.2021 13:22	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		102		70-130	%	02.04.2021 13:22
4-Bromofluorobenzene	107		102		70-130	%	02.04.2021 13:22

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3150227 — Matrix: Soil — Date Prep: 02.05.2021
Parent Sample Id: 687291-005 — MS Sample Id: 687291-005 S — MSD Sample Id: 687291-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0102	10	0.00714	7	70-130	35	35	mg/kg	02.05.2021 12:34	X
Toluene	0.00411	0.100	0.00547	1	0.00467	1	70-130	16	35	mg/kg	02.05.2021 12:34	X
Ethylbenzene	<0.00200	0.100	0.00442	4	0.00370	4	70-130	18	35	mg/kg	02.05.2021 12:34	X
m,p-Xylenes	<0.00400	0.200	0.00878	4	0.00782	4	70-130	12	35	mg/kg	02.05.2021 12:34	X
o-Xylene	<0.00200	0.100	0.00533	5	0.00501	5	70-130	6	35	mg/kg	02.05.2021 12:34	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	94		95		70-130	%	02.05.2021 12:34
4-Bromofluorobenzene	102		108		70-130	%	02.05.2021 12:34

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3150275 — Matrix: Soil — Date Prep: 02.05.2021
Parent Sample Id: 687058-038 — MS Sample Id: 687058-038 S — MSD Sample Id: 687058-038 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0263	26	0.0239	24	70-130	10	35	mg/kg	02.05.2021 23:27	X
Toluene	<0.00200	0.0998	0.0236	24	0.0258	26	70-130	9	35	mg/kg	02.05.2021 23:27	X
Ethylbenzene	<0.00200	0.0998	0.0247	25	0.0253	25	70-130	2	35	mg/kg	02.05.2021 23:27	X
m,p-Xylenes	<0.00399	0.200	0.0474	24	0.0495	25	70-130	4	35	mg/kg	02.05.2021 23:27	X
o-Xylene	<0.00200	0.0998	0.0254	25	0.0269	27	70-130	6	35	mg/kg	02.05.2021 23:27	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		92		70-130	%	02.05.2021 23:27
4-Bromofluorobenzene	100		115		70-130	%	02.05.2021 23:27

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 687058

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A

Seq Number: 3150258 Matrix: Soil Date Prep: 02.05.2021

Parent Sample Id: 687440-001 MS Sample Id: 687440-001 S MSD Sample Id: 687440-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0539	54	0.0470	47	70-130	14	35	mg/kg	02.06.2021 06:36	X
Toluene	<0.00200	0.0998	0.0599	60	0.0517	52	70-130	15	35	mg/kg	02.06.2021 06:36	X
Ethylbenzene	<0.00200	0.0998	0.0607	61	0.0549	55	70-130	10	35	mg/kg	02.06.2021 06:36	X
m,p-Xylenes	<0.00399	0.200	0.127	64	0.0973	49	70-130	26	35	mg/kg	02.06.2021 06:36	X
o-Xylene	<0.00200	0.0998	0.0614	62	0.0796	80	70-130	26	35	mg/kg	02.06.2021 06:36	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		73		70-130	%	02.06.2021 06:36
4-Bromofluorobenzene	132	**	120		70-130	%	02.06.2021 06:36

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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XENCO LABORATORIES

Chain of Custody

Work Order No: 6870S8

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

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Project Manager:	Joel Lowry	Bill to: (if different)	Solaris Water Midstream C/O Rob Kirk
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378 Email:	Email Results to: PM@etechenv.com + Client	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level ☐ Level ☐ PST/US ☐ TRP ☐ Level ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☒
Project Location	Rural Eddy Co., NM	Rush:	☐
Sampler's Name:	Matthew Grieco	Due Date:	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	3.3/2.8	Thermometer ID	IR8
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	0.5
Sample Custody Seals:	Yes No (N/A)	Total Containers:	

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)	Sample Comments
WW6	Soil	2/1/2021			1/NO	X	X	X	
SW7b	Soil	2/1/2021			1/NO	X	X	X	
SW8	Soil	2/1/2021			1/NO	X	X	X	
SW9b	Soil	2/1/2021			1/NO	X	X	X	
SW10b	Soil	2/1/2021			1/NO	X	X	X	
SW11	Soil	2/1/2021			1/NO	X	X	X	
SW12	Soil	2/1/2021			1/NO	X	X	X	
SW13	Soil	2/1/2021			1/NO	X	X	X	
SW14	Soil	2/1/2021			1/NO	X	X	X	
SW15	Soil	2/1/2021			1/NO	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		02-02-21 3:01	2		02/03/21 1311
3			4		
5			6		

Revised Date101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
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Chain of Custody

Work Order No: 6987058

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Project Manager:	Joel Lowry	Bill to: (if different)	Solaris Water Midstream C/O Rob Kirk
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378 Email:	Email Results to: PM@etechenv.com + Client	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☒
Project Location	Rural Eddy Co., NM	Rush:	☐
Sampler's Name:	Matthew Grieco	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temperature (°C):		Temp Blank: Yes No	Wet Ice: Yes No	Thermometer ID
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

ANALYSIS REQUEST

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)	Sample Comments
SW16	Soil	2/1/2021			1/NO	X	X	X	
NW4 - 2' F	Soil	2/1/2021			1/NO	X	X	X	
NW5 - 2' F	Soil	2/1/2021			1/NO	X	X	X	
NW6	Soil	2/1/2021			1/NO	X	X	X	
NW7	Soil	2/1/2021			1/NO	X	X	X	
NW8b	Soil	2/1/2021			1/NO	X	X	X	
NW9b	Soil	2/1/2021			1/NO	X	X	X	
NW10	Soil	2/1/2021			1/NO	X	X	X	
NW11	Soil	2/1/2021			1/NO	X	X	X	
NW12b	Soil	2/1/2021			1/NO	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		02.03.21 3:01	2		02/03/21 1211
3			4		
5			6		

Revised Date101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
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Chain of Custody

Work Order No: 6987058

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Project Manager:	Joel Lowry	Bill to: (if different)	Solaris Water Midstream C/O Rob Kirk
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378 Email:	Email Results to: PM@etechenv.com + Client	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine: ☒	
Project Location	Rural Eddy Co., NM	Rush: ☐	
Sampler's Name:	Matthew Grieco	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temperature (°C):		Temp Blank: Yes No	Wet Ice: Yes No	Thermometer ID
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)	Sample Comments
NW13b	Soil	2/1/2021			1/NO	X	X	X	
NW14	Soil	2/1/2021			1/NO	X	X	X	
NW15b	Soil	2/1/2021			1/NO	X	X	X	
NW16	Soil	2/1/2021			1/NO	X	X	X	
FL171	Soil	2/1/2021		6"	1/NO	X	X	X	
FL172	Soil	2/1/2021		6"	1/NO	X	X	X	
FL173	Soil	2/1/2021		6"	1/NO	X	X	X	
FL174	Soil	2/1/2021		6"	1/NO	X	X	X	
FL175	Soil	2/1/2021		6"	1/NO	X	X	X	
FL176	Soil	2/1/2021		6"	1/NO	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		02-02-21 3:01	2		02/03/21 1211
3			4		
5			6		

Revised Date101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
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Chain of Custody

Work Order No: 6807058

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Project Manager:	Joel Lowry	Bill to: (if different)	Solaris Water Midstream C/O Rob Kirk
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to: PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/US ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☒
Project Location	Rural Eddy Co., NM	Rush:	☐
Sampler's Name:	Matthew Grieco	Due Date:	
PO #:			

SAMPLE RECEIPT					
Temperature (°C):		Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID			
Cooler Custody Seals:	Yes No N/A	Correction Factor:			
Sample Custody Seals:	Yes No N/A	Total Containers:			

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)	Sample Comments
FL177	Soil	2/1/2021		6"	1/NO	X	X	X	
FL178	Soil	2/1/2021		6"	1/NO	X	X	X	
FL179	Soil	2/1/2021		6"	1/NO	X	X	X	
FL180	Soil	2/1/2021		6"	1/NO	X	X	X	
FL181	Soil	2/1/2021		6"	1/NO	X	X	X	
FL182	Soil	2/1/2021		6"	1/NO	X	X	X	
FL183	Soil	2/1/2021		6"	1/NO	X	X	X	
FL184	Soil	2/1/2021		6"	1/NO	X	X	X	
FL185	Soil	2/1/2021		6"	1/NO	X	X	X	
FL186	Soil	2/1/2021		6"	1/NO	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		02-02-21 3:01	2		02/03/21
3			4		1211
5			6		

Revised Date101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
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Chain of Custody

Work Order No: 6870558

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Project Manager:	Joel Lowry	Bill to: (if different)	Solaris Water Midstream C/O Rob Kirk
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to: PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/US ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	X
Project Location	Rural Eddy Co., NM	Rush:	☐
Sampler's Name:	Matthew Grieco	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temperature (°C):		Temp Blank: Yes No	Wet Ice: Yes No	Thermometer ID
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

ANALYSIS REQUEST

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)	Sample Comments
FL187	Soil	2/1/2021		6"	1/NO	X	X	X	
FL188	Soil	2/1/2021		6"	1/NO	X	X	X	
FL189	Soil	2/1/2021		6"	1/NO	X	X	X	
FL190	Soil	2/1/2021		6"	1/NO	X	X	X	
FL191	Soil	2/1/2021		6"	1/NO	X	X	X	
FL192	Soil	2/1/2021		6"	1/NO	X	X	X	
FL193	Soil	2/1/2021		6"	1/NO	X	X	X	
FL194	Soil	2/1/2021		6"	1/NO	X	X	X	
FL195	Soil	2/1/2021		6"	1/NO	X	X	X	
FL196	Soil	2/1/2021		6"	1/NO	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			02-02-21 3:01	2		02/03/21
3				4		1244
5				6		

Revised Date101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Final 1.000
Page 132 of 134
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Chain of Custody

Work Order No: 6987058

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Project Manager:	Joel Lowry	Bill to: (if different)	Solaris Water Midstream C/O Rob Kirk
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to: PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/USTR ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☒
Project Location	Rural Eddy Co., NM	Rush:	☐
Sampler's Name:	Matthew Grieco	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):		Thermometer ID		
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)	Sample Comments
FL197	Soil	2/1/2021		6"	1/NO	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			02-02-21 3:01	2		02/03/21
3				4		1311
5				6		

Revised Date 101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
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Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 02.03.2021 12.11.00 PM

Work Order #: 687058

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	2.8
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6*Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**No**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#13 Samples properly preserved?	**Yes**
#14 Sample container(s) intact?	**Yes**
#15 Sufficient sample amount for indicated test(s)?	**Yes**
#16 All samples received within hold time?	**Yes**
#17 Subcontract of sample(s)?	**N/A**
#18 Water VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 02.03.2021

Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 02.08.2021

Jessica Kramer

CARDINAL Laboratories

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

February 09, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: LANDES POND RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 02/08/21 16:10.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/08/2021	Sampling Date:	02/08/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	LANDES POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: FL 118 @ 3' (H210320-01)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/09/2021	ND	400	100	400	3.92	

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, Lab Director/Quality Manager

CARDINAL Laboratories

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

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, Lab Director/Quality Manager

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	BILL TO	
Project Manager:	Joel Lowry	P.O. #:	
Address:	P.O. Box 301	Company:	ETECH
City:	Lovington	State: NM	Zip: 88260
Attn:			
Phone #:	(575) 396-2378	Fax #: (575) 396-1429	
Address:			
Project #:		Project Owner:	
City:			
Project Name:	Landes Pond Release	State:	Zip:
Project Location:		Phone #:	
Sampler Name:	David Robinson	Fax #:	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST													
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)											
H210320-1	FL 11&E 3'	C	1			X					X		2-8-21	2:00 PM	X												

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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 2-8-21	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1610		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		

Please email results to pm@etechenv.com.

Rush

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: 5.8c #113

Sample Condition: Cool: Yes / No; Intact: Yes / No

CHECKED BY: (Initials) T.D.

FORM-006
Revision 1.0

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

Received by OCD: 4/8/2021 7:58:59 AM

Released to Imaging: 7/22/2021 3:04:17 PM

CARDINAL Laboratories

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

March 16, 2021

LANCE CRENSHAW

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: LANDES POND RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 03/15/21 15:25.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/15/2021	Sampling Date:	03/15/2021
Reported:	03/16/2021	Sampling Type:	Soil
Project Name:	LANDES POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	13261	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: FL 12 @ 3' (H210649-01)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	03/16/2021	ND	400	100	400	0.00	

Sample ID: FL 110 @ 2' (H210649-02)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	03/16/2021	ND	400	100	400	0.00	

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 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, Lab Director/Quality Manager

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Rush!!!!

Company Name:	Etech Environmental & Safety Solutions, Inc.	BILL TO	
Project Manager:	Lance Crenshaw	P.O. #:	
Address:	P.O. Box 301	Company:	ETECH
City:	Lovington	State: NM	Zip: 88260
Attn:			
Phone #:	(575) 396-2378	Fax #: (575) 396-1429	
Address:			
Project #:	13281	Project Owner:	
City:			
Project Name:	Landes Pond Release	State:	Zip:
Project Location:		Phone #:	
Sampler Name:	Lance Crenshaw	Fax #:	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST														
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)												
H210649																												
1	FL 12 @ 3'	G	1			X					X		3/15		X													
2	FL 10 @ 2'	G	1			X					X		3/15		X													

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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 3-15-21	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1525		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		Please email results to pm@etechenv.com.

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: 4.3c #113

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) TD

FORM-006
Revision 1.0

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

Received by OCD: 4/8/2021 7:58:59 AM

Released to Imaging: 7/22/2021 3:04:17 PM

State of New Mexico
Oil Conservation Division

Incident ID	nRM2017852330
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	>150 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☑ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☑ Yes ☐ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

- ☑ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☑ Field data
- ☑ Data table of soil contaminant concentration data
- ☑ Depth to water determination
- ☑ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☑ Boring or excavation logs
- ☑ Photographs including date and GIS information
- ☑ Topographic/Aerial maps
- ☑ Laboratory data including chain of custody

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nRM2017852330
District RP	
Facility ID	
Application ID	

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.

Printed Name: Rob Kirk Title: General Manager, HSE & Compliance

Signature: Date:

email: rob.kirk@solarismidstream.com Telephone: (432)203-9020

OCD Only

Received by: Date:

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nRM2017852330
District RP	
Facility ID	
Application ID	

Closure

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

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

☑ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☑ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

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

☑ Description of remediation activities

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

Printed Name: Rob Kirk Title: General Manager, HSE & Compliance

Signature: RC Kirk Date: 04/08/21

email: rob.kirk@solarismidstream.com Telephone: (432)203-9020

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Remediation Summary & Soil Closure Request

Solaris Water Midstream, LLC
Landes Pond Release
Eddy County, New Mexico
Unit Letter F, Section 22, Township 25 South, Range 28 East
Latitude 32.11600 North, Longitude 104.07800 West
NMOCD Reference No. nRM2017852330

Prepared By:

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

Ben J. Arguijo

Joel W. Lowry

Midland • San Antonio • Lubbock • Lovington • Lafayette

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REMEDIATION ACTIVITIES SUMMARY…. **5.0**
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FIGURES

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Figure 2 - Aerial Proximity Map
Figure 3 - Site & Sample Location Map

TABLES

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

APPENDICES

Appendix A - Depth to Groundwater Information
Appendix B - Field Data & Soil Profile Logs
Appendix C - Photographic Log
Appendix D - Laboratory Analytical Reports

1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Solaris Water Midstream, LLC (Solaris), has prepared this *Remediation Summary & Soil Closure Request* for the release site known as the Landes Pond Release (henceforth, "Site"). Details of the release are summarized below:

Location of Release Source

Latitude: 32.11600 Longitude: -104.07800

Provided GPS are in WGS84 format.

Site Name:	Landes Pond Release	Site Type:	Water Storage Ponds
Date Release Discovered:	6/24/2020	API # (if applicable):	N/A

Unit Letter	Section	Township	Range	County
F	22	25S	28E	Eddy

Surface Owner: [ ] State [ ] Federal [ ] Tribal [X] Private (Name Solaris Water Midstream, LLC)

Nature and Volume of Release

[ ] Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
[X] Produced Water	Volume Released (bbls) 556	Volume Recovered (bbls) 120
	Is the concentration of total dissolved solids (TDS) in the produced water > 10,000 mg/L?	[X] Yes [ ] No [ ] N/A
[ ] Condensate	Volume Released (bbls)	Volume Recovered (bbls)
[ ] Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
[ ] Other (describe)	Volume/Weight Released	Volume/Weight Recovered

Cause of Release:
Severe storms in the area on the night of June 23, 2020, apparently dislodged pond entry feed lines. When the water feed pumps were turned on the morning of June 24, the pumps ran for a short time before it was recognized that the feed lines were dislodged. The pumps were turned off, and the lines were repositioned. The recycled water impacted an area approximately 750 feet by 10 to 20 feet wide adjacent to the pond on Solaris land. The release volume was calculated by the pump volume rates, the time it took to turn off the pumps, and the area impacted.

Initial 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 and recoverable materials have been removed and managed appropriately.

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

2.0 SITE CHARACTERIZATION

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half-mile radius of the Site. A review of the drilling log for NMOSE-permitted well C-01522, which is located approximately 1,245 feet north-northeast of the Site, indicates the well was drilled to approximately 150 feet below ground surface (bgs). No indications of inflow or accumulation of water were noted during the advancement of the well. Depth to groundwater information is provided in Appendix A.

What is the shallowest depth to groundwater beneath the area affected by the release?	>150'
Did the release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas not on an exploration, development, production or storage site?	☒ Yes ☐ No

NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) and Fish & Wildlife Services (FWS) shapefiles; topographic maps; NMOSE and USGS databases; and aerial imagery. The results are depicted in Figures 1, 2, 4, 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 Site are as follows:

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria*†	Reclamation Standard*‡
>150'	Chloride (Cl-)	EPA 300.0 or SM4500 Cl B	20,000	600
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	2,500	100
	Diesel Range Organics + Gas Range Organics (DRO + GRO)	EPA SW-846 Method 8015M	1,000	-
	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

* Measured in milligrams per kilogram (mg/kg)
† Table I, Section 19.15.29.12 of the New Mexico Administrative Code (NMAC).
‡ The NMOCD Reclamation Standard applies only to the top 4' of soil in non-production areas. Section 19.15.29.13 D.(1) NMAC.

4.0 INITIAL SITE ASSESSMENT

On August 5, 2020, Solaris conducted an initial site assessment. During the initial site assessment, a series of hand-augered soil bores (HA-1, HA-2, and SP-1 through SP-6) were advanced in an effort to determine the vertical and horizontal extent of impacted soil. A total of eight (8) delineation soil samples (HA-1, HA-2, and SP-1 through SP-6) were submitted to a certified commercial laboratory for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, soil was not affected above the NMOCD Closure Criteria or NMOCD Reclamation Standards beyond one (1) foot bgs in the areas characterized by sample points HA-1, HA-2, SP-3, SP-4, and SP-5. However, additional delineation was required in the areas characterized by sample points SP-1, SP-2, and SP-3.

In October 2020, Solaris retained Etech to assume remediation activities at the Site.

On October 22, 2020, Etech conducted a site assessment. During the site assessment, a series of hand-augered soil bores (SP1, SP 1B, SP 2, SP 2B, SP 3 through SP 5, and SP6B) were advanced within the release margins in an effort to further investigate the vertical extent of impacted soil. In addition, hand-augered soil bores (NH 1, NH 2, EH 1, SH 1, SH2, and WH 1) were advanced at the inferred edges of the affected area in an effort to determine the horizontal extent of impacted soil. During advancement of the hand-augered soil bores, soil samples were collected and field-screened utilizing visual/olfactory senses and/or a Hach Quantab ® chloride test kit.

Based on field observations and field test data, twenty-five (25) delineation soil samples (NH 1 @ Surface, NH 1 @ 1', NH 2 @ Surface, NH 2 @ 1', EH 1 @ Surface, EH 1 @ 1', SH 1 @ Surface, SH 1 @ 1', SH 2 @ Surface, SH 2 @ 1', WH 1 @ Surface, WH 1 @ 1', SP 1 @ Surface, SP 1 @ 1', SP 1B @ 2', SP 2 @ Surface, SP 2 @ 1', SP 2B @ 2', SP 3 @ Surface, SP 3 @ 1', SP 4 @ Surface, SP 4 @ 1', SP 5 @ Surface, SP 5 @ 1', and SP 6B @ 2') were submitted to a certified commericial laboratory for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, soil was not affected above the NMOCD Closure Criteria or NMOCD Reclamation Standard beyond one (1) foot bgs in the areas characterized by sample points SP 1 through SP 5 or beyond two (2) feet bgs in the areas characterized by sample points SP 1B, SP 2B, and SP 6B. The horizontal extent of impacted soil was adequately defined in the areas characterized by sample points NH 1, NH 2, EH 1, SH 1, and SH 2. However, additional horizontal delineation was required in the area characterized by sample point WH 1.

5.0 REMEDIATION ACTIVITIES SUMMARY

On January 12, 2021, remediation activities commenced at the Site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standard was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. The floor and sidewalls of the excavation were advanced until field observations and test results suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard.

On January 13, 2021, Etech collected 13 confirmation soil samples (EW1, SW1, SW2, SW3, WW1, and FL 1 @ 1' through FL 8 @ 1') from the sidewalls and floor of the excavation. The soil samples were submitted to a certified commercial 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 Standard in each of the submitted soil samples.

On January 14, 2021, Etech collected six (6) confirmation soil samples (EW2, SW4, SW5, WW2, FL 9 @ 2', and FL 10 @ 2') from the sidewalls and floor of the excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On January 18, 2021, Etech collected 33 confirmation soil samples (NW1, NWW1, NWW2, EW3, EW4, and FL 11 @ 2' through FL 38 @ 2') from the sidewalls and floor of the excavation. The soil samples were submitted to the laboratory for analysis of

BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples. Based on laboratory analytical results, the excavation was further advanced in the area characterized by soil sample FL 12 @ 2'.

On January 19, 2021, Etech collected 20 confirmation soil samples (FL 39 @ 2' through FL 58@ 2') from the floor of the excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On January 20, 2021, Etech collected 20 confirmation soil samples (EW5 through EW8, SW6, WW3, WW4, WW5, and FL 59 @ 1' through FL 70 @ 1') from the sidewalls and floor of the excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On January 21, 2021, Etech collected 17 confirmation soil samples (NW2, NW3, and FL 71 @ 2' through FL 85 @ 1') from the sidewalls and floor of the excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples. Based on laboratory analytical results, the excavation was further advanced in the area characterized by soil sample FL 75 @ 2'.

On January 22, 2021, Etech collected 21 confirmation soil samples (FL 86 @ 1' through FL 99 @ 1', FL 104 @ 1' through FL 107 @ 1', and FL 110 @ 1' through FL 112 @ 1') from the floor of the excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples. Based on laboratory analytical results, the excavation was further advanced in the area characterized by soil sample FL 110 @ 1'.

On January 25, 2021, Etech collected 18 confirmation soil samples (FL 100 @ 3' through FL 103 @ 3', FL 108 @ 1', FL 109 @ 1', and FL 113 @ 3' through FL 124 @ 1') from the floor of the excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples. Based on laboratory analytical results, the excavation was further advanced in the area characterized by soil sample FL 118 @ 2'.

On January 26, 2021, Etech collected 11 confirmation soil samples (FL 125 @ 0-6" through FL 135 @ 2') from the floor of the excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On January 27, 2021, Etech collected nine (9) confirmation soil samples (FL 136 @ 2' through FL 144 @ 2') from the floor of the excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On January 29, 2021, Etech collected 27 confirmation soil samples (FL 75 @ 2.5', and FL 145 @ 2' through FL 170b @ 1') from the floor of the excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On February 1, 2021, Etech collected 51 confirmation soil samples (NW4 - 2' F, NW5 - 2' F, NW6 through NW16, SW7b through SW16, WW6, and FL 171 through FL 197) from the sidewalls and floor of the excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride

concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On February 8, 2021, Etech collected one (1) confirmation soil sample (FL 118 @ 3') from the floor of the excavation. The soil sample was submitted to the laboratory for analysis of chloride. Laboratory analytical results indicated the chloride concentration was below the NMOCD Closure Criteria and NMOCD Reclamation Standard.

On March 15, 2021, Etech collected two (2) confirmation soil samples (FL 12 @ 3' and FL 110 @ 2') from the floor of the excavation. The soil samples were submitted to the laboratory for analysis of chloride. Laboratory analytical results indicated chloride concentrations were below the NMOCD Closure Criteria and NMOCD Reclamation Standard in each of the submitted soil samples.

The final dimensions of the excavation ranged from approximately 260 to 1,318 feet in length, 10 to 174 feet in width, and two (2) inches to three (3) feet in depth. During the course of remediation activities, approximately 6,500 cubic yards of impacted soil were transported to an NMOCD-permitted surface waste facility for disposal.

Soil sample locations and the extent of the excavation are depicted in Figure 3, "Site & Sample Location Map". Soil chemistry data is summarized in Table 1. Field data and soil profile logs are provided in Appendix B. General photographs of the Site are provided in Appendix C. Laboratory analytical reports are provided in Appendix D.

6.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

Upon receiving laboratory analytical results from confirmation soil samples, excavated areas were backfilled with locally sourced, non-impacted, "like" material placed at or near original relative positions. The affected area was 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

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

Based on laboratory analytical results and field activities conducted to date, Etech recommends Solaris provide copies of this *Remediation Summary & Soil Closure Request* to the appropriate agencies and request closure be granted to the 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 reference in the report and on oral statements made by certain individuals. Etech has not conducted an independent examination of the facts contained in referenced materials and statements. Etech has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Etech has prepared the report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Etech notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of 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.

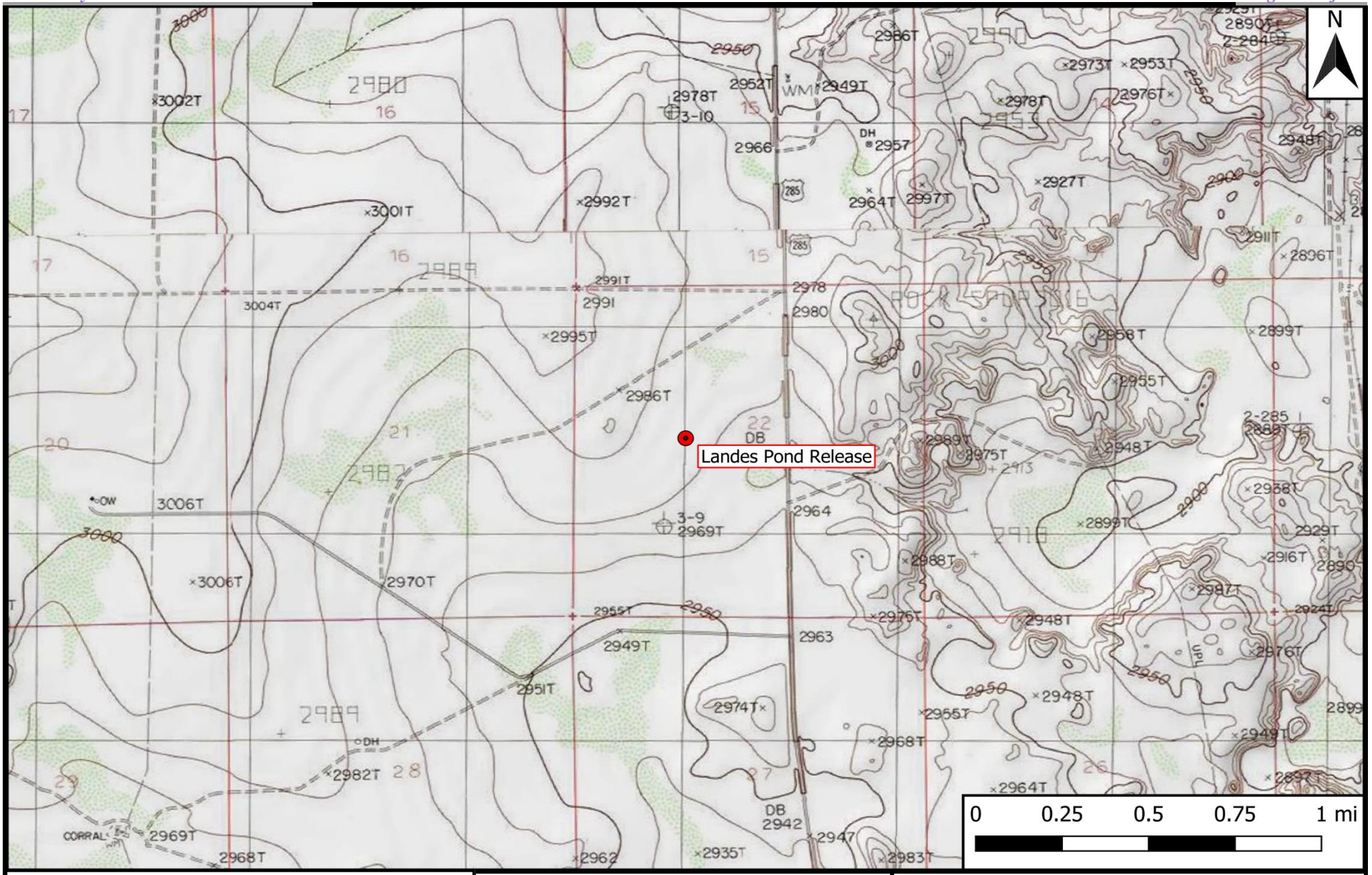
9.0 DISTRIBUTION

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

(Electronic Submission)

Figure 1
Topographic Map



Legend

Site Location

Figure 1

Topographic Map

Solaris Water Midstream, LLC

Landes Pond Release

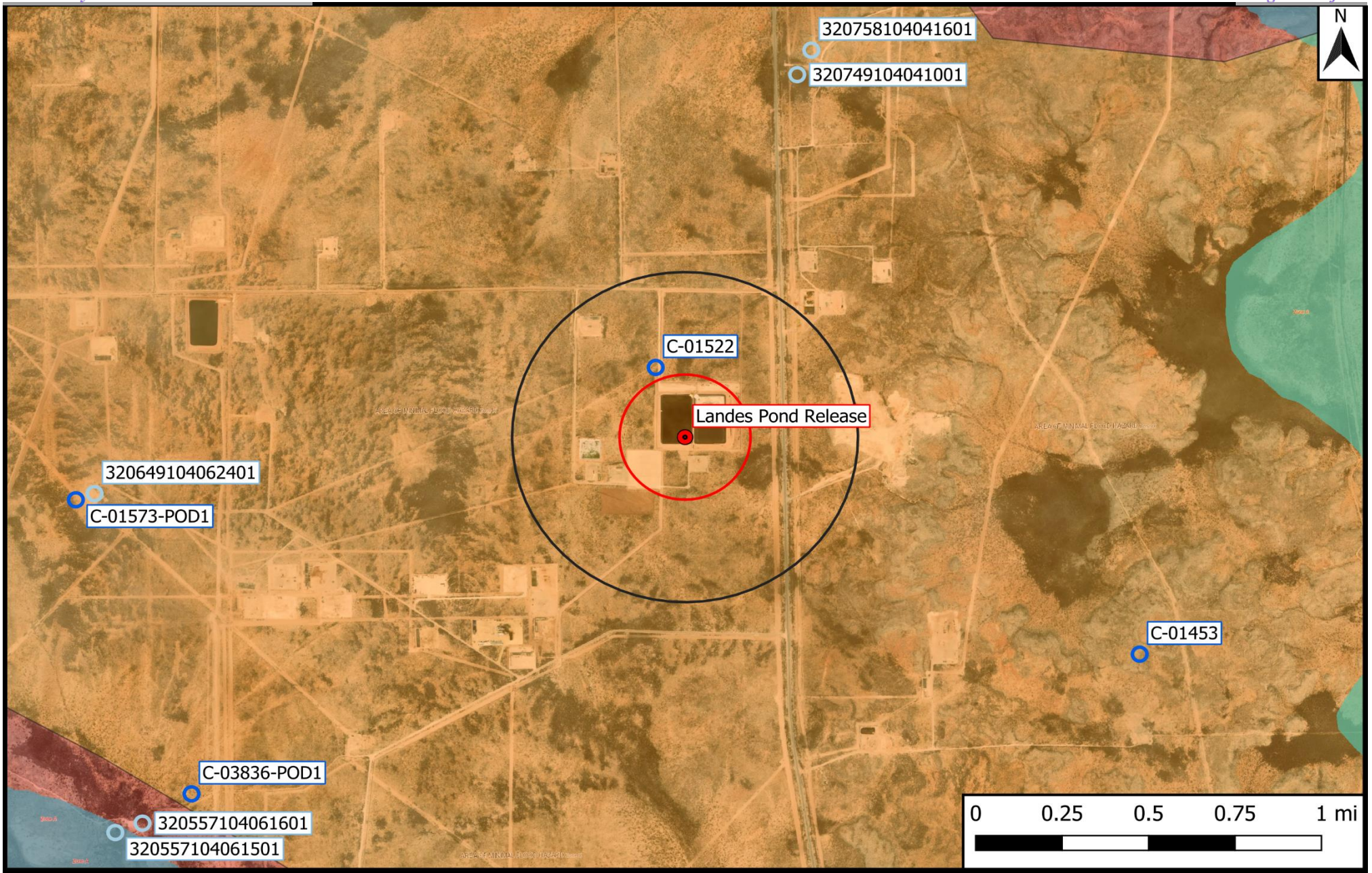
GPS: 32.11600, -104.07800

Eddy County

ETECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 3/2/21

Figure 2
Aerial Proximity Map



Legend

- Site Location
- Well - NMOSE
- Well - USGS
- Well - Investigative/Monitor
- Potash Mine Workings
- 1,000-Ft Radius
- 0.5-Mi Radius
- 1% Annual Flood Chance
- Emergent/Forested Wetlands
- Lake/Freshwater Pond
- Medium/High Karst
- Riverine

Figure 2
Aerial Proximity Map
Solaris Water Midstream, LLC
Landes Pond Release
GPS: 32.116, -104.078
Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 3/23/21

Figure 3
Site & Sample Location Map

Figure 3
Site & Sample Location Map
Solaris Water Midstream, LLC
Landes Pond Release
GPS: 32.11600, -104.07800
Eddy County, NM

eTECH Environmental & Safety Solutions, Inc.

Drafted: MAG | Checked: JWL | Date: 3/29/21

Table 1
Concentrations of BTEX, TPH & Chloride in Soil

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Solaris Water Midstream, LLC
Landes Pond Release
NMOCD Ref. #: nRM2017852330

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**20,000**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
Sample ID	**Date**	**Depth**	**Soil Status**	**SW 846 8021B**		**SW 846 8015M Ext.**					**4500 Cl**
				Benzene (mg/kg)	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (mg/kg)**	**Chloride (mg/kg)**
Delineation Samples											
HA-1	8/5/2020	1'	In-Situ	<0.00200	<0.00200	<50.0	<50.2	<50.2	<50.2	<50.2	41.4
HA-2	8/5/2020	1'	In-Situ	<0.00198	<0.00198	<50.1	<50.1	<50.1	<50.1	<50.1	37.9
SP-1	8/5/2020	1'	Excavated	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	*1,150*
SP 1 @ Surface	10/22/2020	0'	Excavated	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	356
SP 1 @ 1'	10/22/2020	1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	52.9
SP 1B @ 2'	10/22/2020	2'	In-Situ	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	22.1
SP-2	8/5/2020	1'	Excavated	<0.00198	<0.00198	<50.2	<50.2	<50.2	<50.2	<50.2	*5,310*
SP 2 @ Surface	10/22/2020	0'	Excavated	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	*7,690*
SP 2 @ 1'	10/22/2020	1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	426
SP 2B @ 2'	10/22/2020	2'	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	32.5
SP-3	8/5/2020	1'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	76.1
SP 3 @ Surface	10/22/2020	0'	Excavated	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	*11,200*
SP 3 @ 1'	10/22/2020	1'	In-Situ	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	339
SP-4	8/5/2020	1'	In-Situ	<0.00201	<0.00201	<49.8	<49.8	<49.8	<49.8	<49.8	<10.0
SP 4 @ Surface	10/22/2020	0'	Excavated	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	420
SP 4 @ 1'	10/22/2020	1'	In-Situ	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	119
SP-5	8/5/2020	1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	41.0
SP 5 @ Surface	10/22/2020	0'	Excavated	<0.00202	<0.00202	<50.3	<50.3	<50.3	<50.3	<50.3	*5,370*
SP 5 @ 1'	10/22/2020	1'	In-Situ	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	<50.2	153
SP-6	8/5/2020	1'	Excavated	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	*2,210*
SP 6B @ 2'	10/22/2020	2'	In-Situ	<0.00198	<0.00198	<50.1	<50.1	<50.1	<50.1	<50.1	49.0
NH 1 @ Surface	10/22/2020	0'	In-Situ	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	<50.1	202
NH 1 @ 1'	10/22/2020	1'	In-Situ	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	<50.2	223
NH 2 @ Surface	10/22/2020	0'	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	188
NH 2 @ 1'	10/22/2020	1'	In-Situ	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	155
EH 1 @ Surface	10/22/2020	0'	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	<10.1
EH 1 @ 1'	10/22/2020	1'	In-Situ	<0.00199	<0.00199	<50.3	<50.3	<50.3	<50.3	<50.3	45.1
SH 1 @ Surface	10/22/2020	0'	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	27.1
SH 1 @ 1'	10/22/2020	1'	In-Situ	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	<50.2	<9.98
SH 2 @ Surface	10/22/2020	0'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	168
SH 2 @ 1'	10/22/2020	1'	In-Situ	<0.00201	<0.00201	<50.2	<50.2	<50.2	<50.2	<50.2	180
WH 1 @ Surface	10/22/2020	0'	Excavated	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	51.7
WH 1 @ 1'	10/22/2020	1'	Excavated	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	*7,370*
Excavation Samples											
NW1	1/18/2021	0 - 2'	In-Situ	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	36.1
NW2	1/21/2021	0 - 1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	3,310*
NW3	1/21/2021	0 - 1'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	2,480*
NW4 - 2' F	2/1/2021	0 - 2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	1,460*

NOTES:
- = Sample not analyzed for that constituent.
Bold text denotes a concentration that exceeds the NMOCD Closure Criteria
Italicized text denotes a concentration that exceeds the NMOCD Reclamation Standard
* Sample location is not subject to NMOCD Reclamation Standards, pursuant to Section 19.15.29.13 D. NMAC

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Solaris Water Midstream, LLC
Landes Pond Release
NMOCD Ref. #: nRM2017852330

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**20,000**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
				SW 846 8021B		**SW 846 8015M Ext.**					**4500 Cl**
Sample ID	**Date**	**Depth**	**Soil Status**	**Benzene (mg/kg)**	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (mg/kg)**	**Chloride (mg/kg)**
NW5 - 2' F	2/1/2021	0 - 2'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	732*
NW6	2/1/2021	0 - 1'	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	119
NW7	2/1/2021	0 - 2'	In-Situ	<0.00201	<0.00201	<49.8	<49.8	<49.8	<49.8	<49.8	418
NW8b	2/1/2021	0 - 3'	In-Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	65.6
NW9b	2/1/2021	0 - 3'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	35.9
NW10	2/1/2021	0 - 3'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	389
NW11	2/1/2021	0 - 3'	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	75.9
NW12b	2/1/2021	0 - 3'	In-Situ	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	35.3
NW13b	2/1/2021	0 - 3'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	45.8
NW14	2/1/2021	0 - 3'	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	183
NW15b	2/1/2021	0 - 3'	In-Situ	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	331
NW16	2/1/2021	0 - 3'	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	329
NWW1	1/18/2021	0 - 2'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	31.6
NWW2	1/18/2021	0 - 2'	In-Situ	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	<50.2	32.5
EW1	1/13/2021	0 - 1'	In-Situ	<0.00200	<0.00200	<50.3	<50.3	<50.3	<50.3	<50.3	562
EW2	1/14/2021	0 - 2'	In-Situ	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	<50.2	29.8
EW3	1/18/2021	0 - 2'	In-Situ	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	<50.1	53.9
EW4	1/18/2021	0 - 4'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	247
EW5	1/20/2021	0 - 2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	43.0
EW6	1/20/2021	0 - 1'	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	<10.1
EW7	1/20/2021	0 - 3'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	117
EW8	1/20/2021	0 - 3'	In-Situ	<0.00198	<0.00198	<50.2	<50.2	<50.2	<50.2	<50.2	15.3
SW1	1/13/2021	0 - 1'	In-Situ	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	4,010*
SW2	1/13/2021	0 - 2'	In-Situ	<0.00198	<0.00198	<50.1	<50.1	<50.1	<50.1	<50.1	6,220*
SW3	1/13/2021	0 - 2'	In-Situ	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	3,620*
SW4	1/14/2021	0 - 2'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	259
SW5	1/14/2021	0 - 2'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	247
SW6	1/20/2021	0 - 3'	In-Situ	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	63.5
SW7b	2/1/2021	0 - 1'	In-Situ	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	13.1
SW8	2/1/2021	0 - 1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	268
SW9b	2/1/2021	0 - 1'	In-Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	5.54
SW10b	2/1/2021	0 - 1'	In-Situ	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	5.21
SW11	2/1/2021	0 - 1'	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	137
SW12	2/1/2021	0 - 1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	216
SW13	2/1/2021	0 - 1'	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	74.5
SW14	2/1/2021	0 - 2'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	182
SW15	2/1/2021	0 - 2'	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	44.0
SW16	2/1/2021	0 - 1'	In-Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	171
WW1	1/13/2021	0 - 1'	In-Situ	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	<49.8	34.5

NOTES:
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Italicized text denotes a concentration that exceeds the NMOCD Reclamation Standard
* Sample location is not subject to NMOCD Reclamation Standards, pursuant to Section 19.15.29.13 D. NMAC

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Solaris Water Midstream, LLC
Landes Pond Release
NMOCD Ref. #: nRM2017852330

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**20,000**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
Sample ID	**Date**	**Depth**	**Soil Status**	**SW 846 8021B**		**SW 846 8015M Ext.**					**4500 Cl**
				Benzene (mg/kg)	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (mg/kg)**	**Chloride (mg/kg)**
WW2	1/14/2021	0 - 2'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	43.8
WW3	1/20/2021	0 - 3'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	22.6
WW4	1/20/2021	0 - 3'	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	18.3
WW5	1/20/2021	0 - 3'	In-Situ	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	<50.1	137
WW6	2/1/2021	0 - 3'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	119
FL 1 @ 1'	1/13/2021	1'	In-Situ	<0.00185	<0.00185	<50.3	<50.3	<50.3	<50.3	<50.3	256
FL 2 @ 1'	1/13/2021	1'	In-Situ	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	315
FL 3 @ 1'	1/13/2021	1'	In-Situ	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	<50.1	450
FL 4 @ 2'	1/13/2021	2'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	110
FL 5 @ 2'	1/13/2021	2'	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	166
FL 6 @ 2'	1/13/2021	2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	109
FL 7 @ 1'	1/13/2021	1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	227
FL 8 @ 1'	1/13/2021	1'	In-Situ	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	<50.2	253
FL 9 @ 2'	1/14/2021	2'	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	77.3
FL 10 @ 2'	1/14/2021	2'	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	76.5
FL 11 @ 2'	1/18/2021	2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	13.4
FL 12 @ 2'	1/18/2021	2'	Excavated	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	*789*
FL 12 @ 3'	3/15/2021	3'	In-Situ	-	-	-	-	-	-	-	160
FL 13 @ 2'	1/18/2021	2'	In-Situ	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	<49.8	597
FL 14 @ 2'	1/18/2021	2'	In-Situ	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	19.6
FL 15 @ 2'	1/18/2021	2'	In-Situ	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	70.4
FL 16 @ 2'	1/18/2021	2'	In-Situ	<0.00199	<0.00199	<50.2	<50.2	<50.2	<50.2	<50.2	86.0
FL 17 @ 2'	1/18/2021	2'	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	102
FL 18 @ 2'	1/18/2021	2'	In-Situ	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	104
FL 19 @ 2'	1/18/2021	2'	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	113
FL 20 @ 2'	1/18/2021	2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	139
FL 21 @ 2'	1/18/2021	2'	In-Situ	<0.00198	<0.00198	<50.3	<50.3	<50.3	<50.3	<50.3	117
FL 22 @ 2'	1/18/2021	2'	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	104
FL 23 @ 2'	1/18/2021	2'	In-Situ	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	122
FL 24 @ 2'	1/18/2021	2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	96.3
FL 25 @ 2'	1/18/2021	2'	In-Situ	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	380
FL 26 @ 2'	1/18/2021	2'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	407
FL 27 @ 2'	1/18/2021	2'	In-Situ	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	364
FL 28 @ 2'	1/18/2021	2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	387
FL 29 @ 2'	1/18/2021	2'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	203
FL 30 @ 2'	1/18/2021	2'	In-Situ	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	<50.1	159
FL 31 @ 2'	1/18/2021	2'	In-Situ	<0.00198	<0.00198	<50.3	<50.3	<50.3	<50.3	<50.3	131
FL 32 @ 2'	1/18/2021	2'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	151
FL 33 @ 2'	1/18/2021	2'	In-Situ	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	179

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Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Solaris Water Midstream, LLC
Landes Pond Release
NMOCD Ref. #: nRM2017852330

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**20,000**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
				SW 846 8021B		**SW 846 8015M Ext.**					**4500 Cl**
Sample ID	**Date**	**Depth**	**Soil Status**	**Benzene (mg/kg)**	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (mg/kg)**	**Chloride (mg/kg)**
FL 34 @ 2'	1/18/2021	2'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	404
FL 35 @ 2'	1/18/2021	2'	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	111
FL 36 @ 2'	1/18/2021	2'	In-Situ	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	<49.8	92.2
FL 37 @ 2'	1/18/2021	2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	265
FL 38 @ 2'	1/18/2021	2'	In-Situ	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	68.4
FL 39 @ 2'	1/19/2021	2'	In-Situ	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	106
FL 40 @ 2'	1/19/2021	2'	In-Situ	<0.00196	<0.00196	<50.1	<50.1	<50.1	<50.1	<50.1	114
FL 41 @ 3'	1/19/2021	3'	In-Situ	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	<49.8	113
FL 42 @ 3'	1/19/2021	3'	In-Situ	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	99.9
FL 43 @ 3'	1/19/2021	3'	In-Situ	<0.00201	<0.00201	<49.8	<49.8	<49.8	<49.8	<49.8	120
FL 44 @ 3'	1/19/2021	3'	In-Situ	<0.00198	<0.00198	<50.1	<50.1	<50.1	<50.1	<50.1	117
FL 45 @ 2'	1/19/2021	2'	In-Situ	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	103
FL 46 @ 2'	1/19/2021	2'	In-Situ	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	112
FL 47 @ 2'	1/19/2021	2'	In-Situ	<0.00200	<0.00200	<50.3	<50.3	<50.3	<50.3	<50.3	110
FL 48 @ 2'	1/19/2021	2'	In-Situ	<0.00201	<0.00201	<50.1	<50.1	<50.1	<50.1	<50.1	144
FL 49 @ 2'	1/19/2021	2'	In-Situ	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	123
FL 50 @ 2'	1/19/2021	2'	In-Situ	<0.00199	<0.00199	<50.2	<50.2	<50.2	<50.2	<50.2	159
FL 51 @ 2'	1/19/2021	2'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	13.4
FL 52 @ 4'	1/19/2021	4'	In-Situ	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	14.1
FL 53 @ 4'	1/19/2021	4'	In-Situ	<0.00198	<0.00198	<50.1	<50.1	<50.1	<50.1	<50.1	15.1
FL 54 @ 4'	1/19/2021	4'	In-Situ	<0.00201	<0.00201	<49.8	<49.8	<49.8	<49.8	<49.8	10.6
FL 55 @ 4'	1/19/2021	4'	In-Situ	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	15.2
FL 56 @ 4'	1/19/2021	4'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	16.2
FL 57 @ 2'	1/19/2021	2'	In-Situ	<0.00198	<0.00198	<50.3	<50.3	<50.3	<50.3	<50.3	31.5
FL 58 @ 2'	1/19/2021	2'	In-Situ	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	<50.1	17.2
FL 59 @ 1'	1/20/2021	1'	In-Situ	<0.00199	<0.00199	<50.3	<50.3	<50.3	<50.3	<50.3	266
FL 60 @ 1'	1/20/2021	1'	In-Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	15.0
FL 61 @ 1'	1/20/2021	1'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	24.1
FL 62 @ 1'	1/20/2021	1'	In-Situ	<0.00202	<0.00202	<50.1	<50.1	<50.1	<50.1	<50.1	50.4
FL 63 @ 1'	1/20/2021	1'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	111
FL 64 @ 1'	1/20/2021	1'	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	83.2
FL 65 @ 1'	1/20/2021	1'	In-Situ	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	103
FL 66 @ 1'	1/20/2021	1'	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	28.3
FL 67 @ 1'	1/20/2021	1'	In-Situ	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	<49.8	44.7
FL 68 @ 1'	1/20/2021	1'	In-Situ	<0.00198	<0.00198	<50.2	<50.2	<50.2	<50.2	<50.2	74.9
FL 69 @ 1'	1/20/2021	1'	In-Situ	<0.00196	<0.00196	<49.8	<49.8	<49.8	<49.8	<49.8	46.3
FL 70 @ 1'	1/20/2021	1'	In-Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	103
FL 71 @ 2'	1/21/2021	2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	47.4
FL 72 @ 2'	1/21/2021	2'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	19.2

NOTES:
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Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Solaris Water Midstream, LLC
Landes Pond Release
NMOCD Ref. #: nRM2017852330

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**20,000**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
				SW 846 8021B		**SW 846 8015M Ext.**					**4500 Cl**
Sample ID	**Date**	**Depth**	**Soil Status**	**Benzene (mg/kg)**	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (mg/kg)**	**Chloride (mg/kg)**
FL 73 @ 2'	1/21/2021	2'	In-Situ	<0.00199	<0.00199	<50.0	56.2	56.2	<50.0	56.2	74.0
FL 74 @ 2'	1/21/2021	2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	45.9
FL 75 @ 2'	1/21/2021	2'	Excavated	<0.00200	<0.00200	<50.0	333	333	86.8	*420*	376
FL 75 @ 2.5'	1/29/2021	2.5'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	65.2
FL 76 @ 2'	1/21/2021	2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	377
FL 77 @ 2'	1/21/2021	2'	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	411
FL 78 @ 2'	1/21/2021	2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	69.7
FL 79 @ 1'	1/21/2021	1'	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	69.6
FL 80 @ 1'	1/21/2021	1'	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	53.4
FL 81 @ 1'	1/21/2021	1'	In-Situ	<0.0000200	<0.0000200	<49.9	<49.9	<49.9	<49.9	<49.9	83.1
FL 82 @ 1'	1/21/2021	1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	51.5
FL 83 @ 1'	1/21/2021	1'	In-Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	104
FL 84 @ 1'	1/21/2021	1'	In-Situ	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	97.4
FL 85 @ 1'	1/21/2021	1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	138
FL 86 @ 1'	1/22/2021	1'	In-Situ	0.00787	0.0143	<50.0	<50.0	<50.0	<50.0	<50.0	50.4
FL 87 @ 1'	1/22/2021	1'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	341
FL 88 @ 1'	1/22/2021	1'	In-Situ	<0.00200	0.00279	<49.9	<49.9	<49.9	<49.9	<49.9	26.2
FL 89 @ 1'	1/22/2021	1'	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	18.8
FL 90 @ 1'	1/22/2021	1'	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	80.2
FL 91 @ 1'	1/22/2021	1'	In-Situ	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	84.8
FL 92 @ 1'	1/22/2021	1'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	90.5
FL 93 @ 1'	1/22/2021	1'	In-Situ	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	76.0
FL 94 @ 1'	1/22/2021	1'	In-Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	97.5
FL 95 @ 1'	1/22/2021	1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	26.8
FL 96 @ 1'	1/22/2021	1'	In-Situ	<0.00198	0.133	<49.9	<49.9	<49.9	<49.9	<49.9	168
FL 97 @ 1'	1/22/2021	1'	In-Situ	<0.00202	0.0708	<49.9	<49.9	<49.9	<49.9	<49.9	33.8
FL 98 @ 1'	1/22/2021	1'	In-Situ	<0.00199	0.0418	<50.0	<50.0	<50.0	<50.0	<50.0	14.5
FL 99 @ 1'	1/22/2021	1'	In-Situ	<0.00200	0.0399	<49.9	<49.9	<49.9	<49.9	<49.9	29.4
FL 100 @ 3'	1/25/2021	3'	In-Situ	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	23.7
FL 101 @ 3'	1/25/2021	3'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	106
FL 102 @ 3'	1/25/2021	3'	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	22.3
FL 103 @ 3'	1/25/2021	3'	In-Situ	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	19.8
FL 104 @ 1'	1/22/2021	1'	In-Situ	<0.00200	0.0180	<50.0	<50.0	<50.0	<50.0	<50.0	94.2
FL 105 @ 1'	1/22/2021	1'	In-Situ	<0.00201	0.0120	<50.0	<50.0	<50.0	<50.0	<50.0	56.3
FL 106 @ 1'	1/22/2021	1'	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	246
FL 107 @ 1'	1/22/2021	1'	In-Situ	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	<49.8	343
FL 108 @ 1'	1/25/2021	1'	In-Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	123
FL 109 @ 1'	1/25/2021	1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	470
FL 110 @ 1'	1/22/2021	1'	Excavated	<0.00200	0.00432	<50.0	<50.0	<50.0	<50.0	<50.0	*708*

NOTES:
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Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Solaris Water Midstream, LLC
Landes Pond Release
NMOCD Ref. #: nRM2017852330

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**20,000**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
				SW 846 8021B		**SW 846 8015M Ext.**					**4500 Cl**
Sample ID	**Date**	**Depth**	**Soil Status**	**Benzene (mg/kg)**	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (mg/kg)**	**Chloride (mg/kg)**
FL 110 @ 2'	3/15/2021	2'	In-Situ	-	-	-	-	-	-	-	80.0
FL 111 @ 1'	1/22/2021	1'	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	488
FL 112 @ 1'	1/22/2021	1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	30.0
FL 113 @ 3'	1/25/2021	3'	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	17.7
FL 114 @ 3'	1/25/2021	3'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	12.2
FL 115 @ 1'	1/25/2021	1'	In-Situ	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	47.3
FL 116 @ 1'	1/25/2021	1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	65.2
FL 117 @ 1'	1/25/2021	1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	152
FL 118 @ 2'	1/25/2021	2'	Excavated	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	*1,440*
FL 118 @ 3'	2/8/2021	3'	In-Situ	-	-	-	-	-	-	-	32.0
FL 119 @ 2'	1/25/2021	2'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	197
FL 120 @ 1'	1/25/2021	1'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	32.8
FL 121 @ 0-6"	1/25/2021	0-6"	In-Situ	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	35.1
FL 122 @ 1'	1/25/2021	1'	In-Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	80.6
FL 123 @ 1'	1/25/2021	1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	121
FL 124 @ 1'	1/25/2021	1'	In-Situ	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	50.6
FL 125 @ 0-6"	1/26/2021	0 - 6"	In-Situ	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	305
FL 126 @ 0-6"	1/26/2021	0 - 6"	In-Situ	<0.00199	0.0172	<50.0	<50.0	<50.0	<50.0	<50.0	53.3
FL 127 @ 0-6"	1/26/2021	0 - 6"	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	244
FL 128 @ 0-6"	1/26/2021	0 - 6"	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	29.8
FL 129 @ 0-6"	1/26/2021	0 - 6"	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	42.0
FL 130 @ 2'	1/26/2021	2'	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	14.5
FL 131 @ 2'	1/26/2021	2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	29.8
FL 132 @ 2'	1/26/2021	2'	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	24.3
FL 133 @ 2'	1/26/2021	2'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	31.6
FL 134 @ 2'	1/26/2021	2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	22.2
FL 135 @ 2'	1/26/2021	2'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	23.1
FL 136 @ 2'	1/27/2021	2'	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	23.4
FL 137 @ 2'	1/27/2021	2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	40.0
FL 138 @ 2'	1/27/2021	2'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	41.0
FL 139 @ 2'	1/27/2021	2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	16.9
FL 140 @ 2'	1/27/2021	2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	15.8
FL 141 @ 2'	1/27/2021	2'	In-Situ	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	28.8
FL 142 @ 2'	1/27/2021	2'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	14.6
FL 143 @ 2'	1/27/2021	2'	In-Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	14.6
FL 144 @ 2'	1/27/2021	2'	In-Situ	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	14.1
FL 145 @ 2'	1/29/2021	2'	In-Situ	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	24.0
FL 146b @ 2.5'	1/29/2021	2.5'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	15.6
FL 147 @ 1'	1/29/2021	1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	6.11

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NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**20,000**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
				SW 846 8021B		**SW 846 8015M Ext.**					**4500 Cl**
Sample ID	**Date**	**Depth**	**Soil Status**	**Benzene (mg/kg)**	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (mg/kg)**	**Chloride (mg/kg)**
FL 148 @ 1'	1/29/2021	1'	In-Situ	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	19.4
FL 149 @ 1'	1/29/2021	1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	23.9
FL 150 @ 1'	1/29/2021	1'	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	22.1
FL 151@ 6"	1/29/2021	6"	In-Situ	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	471
FL 152 @ 6"	1/29/2021	6"	In-Situ	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	100
FL 153 @ 6"	1/29/2021	6"	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	32.1
FL 154 @ 6"	1/29/2021	6"	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	348
FL 155 @ 6"	1/29/2021	6"	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	32.3
FL 156b @ 1'	1/29/2021	1'	In-Situ	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	15.0
FL 157 @ 6"	1/29/2021	6"	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	87.7
FL 158b @ 1'	1/29/2021	1'	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	15.4
FL 159 @ 6"	1/29/2021	6"	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	37.2
FL 160 @ 6"	1/29/2021	6"	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	120
FL 161 @ 6"	1/29/2021	6"	In-Situ	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	19.8
FL 162 @6"	1/29/2021	6"	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	35.2
FL 163 @ 6"	1/29/2021	6"	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	146
FL 164 @ 6"	1/29/2021	6"	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	98.8
FL 165b @ 1'	1/29/2021	1'	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	19.8
FL 166b @ 1'	1/29/2021	1'	In-Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	145
FL 167b @ 1'	1/29/2021	1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	70.0
FL 168 @ 6"	1/29/2021	6"	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	298
FL 169 @ 6"	1/29/2021	6"	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	13.1
FL 170b @ 1'	1/29/2021	1'	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	133
FL 171	2/1/2021	0-2"	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	83.9
FL 172	2/1/2021	0-2"	In-Situ	<0.00201	<0.00201	<49.8	<49.8	<49.8	<49.8	<49.8	228
FL 173	2/1/2021	0-2"	In-Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	108
FL 174	2/1/2021	0-2"	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	114
FL 175	2/1/2021	0-2"	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	80.3
FL 176	2/1/2021	0-2"	In-Situ	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	<49.8	77.5
FL 177	2/1/2021	0-2"	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	67.5
FL 178	2/1/2021	0-2"	In-Situ	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	57.1
FL 179	2/1/2021	0-2"	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	24.6
FL 180	2/1/2021	0-2"	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	53.4
FL 181	2/1/2021	0-2"	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	56.4
FL 182	2/1/2021	0-2"	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	75.5
FL 183	2/1/2021	0-2"	In-Situ	<0.00201	<0.00201	<49.8	<49.8	<49.8	<49.8	<49.8	22.8
FL 184	2/1/2021	0-2"	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	27.0
FL 185	2/1/2021	0-2"	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	32.6
FL 186	2/1/2021	0-2"	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	43.9

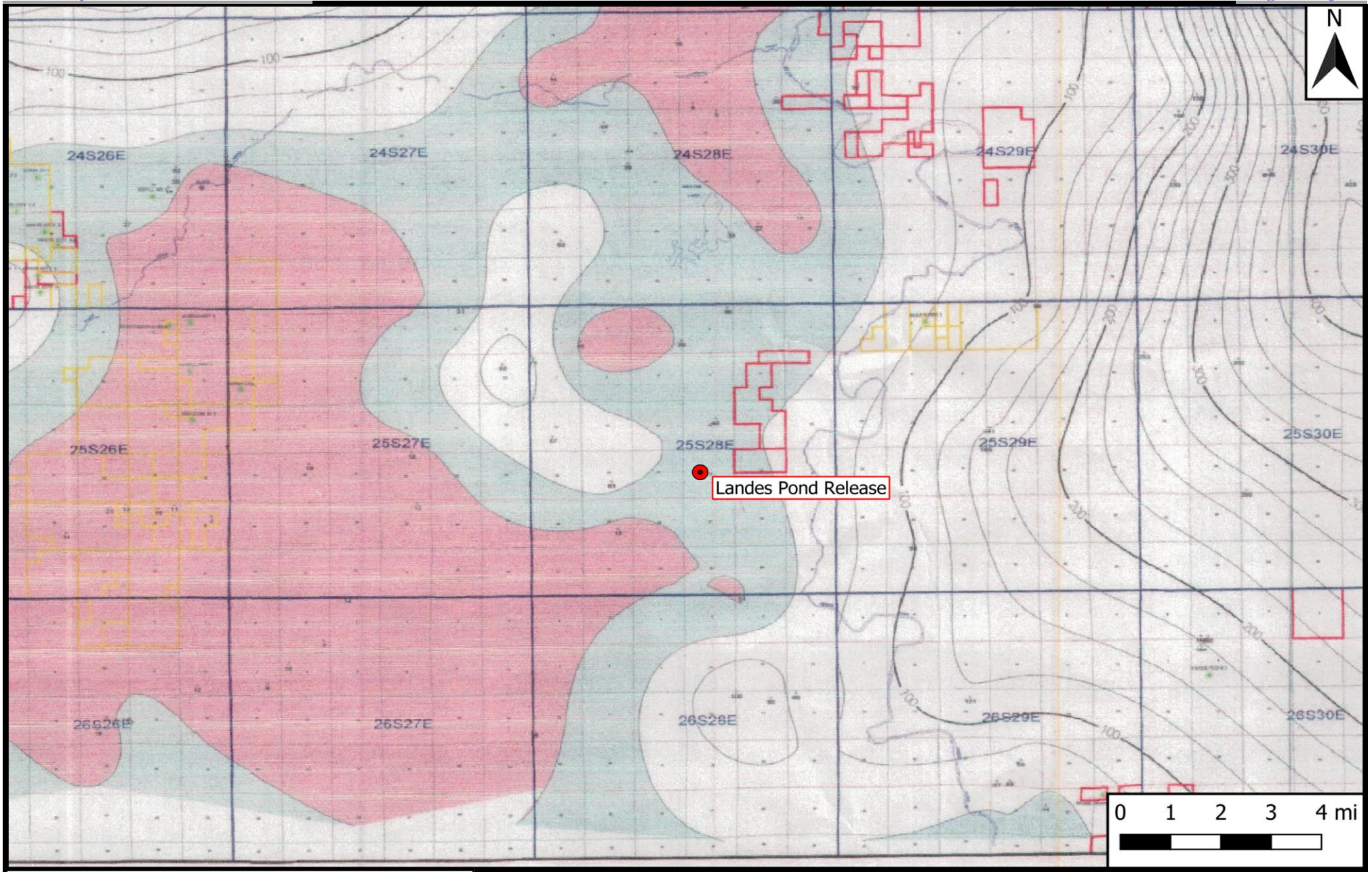
NOTES:
- = Sample not analyzed for that constituent.
Bold text denotes a concentration that exceeds the NMOCD Closure Criteria
Italicized text denotes a concentration that exceeds the NMOCD Reclamation Standard

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Solaris Water Midstream, LLC
Landes Pond Release
NMOCD Ref. #: nRM2017852330

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**20,000**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
Sample ID	**Date**	**Depth**	**Soil Status**	**SW 846 8021B**		**SW 846 8015M Ext.**					**4500 Cl**
				Benzene (mg/kg)	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (mg/kg)**	**Chloride (mg/kg)**
FL 187	2/1/2021	0-2"	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	35.6
FL 188	2/1/2021	0-2"	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	48.7
FL 189	2/1/2021	0-2"	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	6.93
FL 190	2/1/2021	0-2"	In-Situ	<0.00201	<0.00201	<49.8	<49.8	<49.8	<49.8	<49.8	21.1
FL 191	2/1/2021	0-2"	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	34.7
FL 192	2/1/2021	0-2"	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	38.1
FL 193	2/1/2021	0-2"	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	25.3
FL 194	2/1/2021	0-2"	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	5.70
FL 195	2/1/2021	0-2"	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	14.3
FL 196	2/1/2021	0-2"	In-Situ	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	<4.96
FL 197	2/1/2021	0-2"	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	8.41

NOTES:
- = Sample not analyzed for that constituent.
Bold text denotes a concentration that exceeds the NMOCD Closure Criteria
Italicized text denotes a concentration that exceeds the NMOCD Reclamation Standard

Appendix A
Depth to Groundwater Information



Legend

- Site Location

Figure 4

Inferred Depth to Groundwater Trend Map

Solaris Water Midstream, LLC

Landes Pond Release

GPS: 32.11600, -104.07800

Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 3/2/21

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 Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 01522		C	ED			1	22	25S	28E	586843	3554004*	364	150		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 586979.65 **Northing (Y):** 3553665.61 **Radius:** 804.67

***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.

10/16/20 8:06 AM

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	Y
	C 01522			1	22	25S	28E	586843	3554004*

Driller License: 30 **Driller Company:** BARRON, EMMETT

Driller Name: BARRON, EMMETT

Drill Start Date:	07/15/1974	**Drill Finish Date:**	09/10/1974	**Plug Date:**	
Log File Date:	10/03/1974	**PCW Rcv Date:**		**Source:**	
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**	150 feet	**Depth Water:**	

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

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Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

463522

FIELD ENGR. LOG

Section 1. GENERAL INFORMATION

(A) Owner of well Milton R. Wolfson Owner's Well No. _____

Street or Post Office Address 1408 Mission Lane - La Huerta

City and State Carlsbad, N.M.88220

Well was drilled under Permit No. C-1522 and is located in the:

a. ____ ¼ ____ ¼ ____ ¼ N W ¼ of Section 22 Township 25 Range 28 N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____

Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor Emmett Barron License No. W.D.30

Address 307 South Tenth St. Carlsbad, N.M. 88220

Drilling Began July 15 Completed Sept. 10 Type tools Cable Size of hole 9" in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 150' ft.

Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well NONE ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
			No water - Anhydrite formation	

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
N			N			N		
o			o			o		
n			N			N		
e			E			E		

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

Section 5. PLUGGING RECORD

Plugging Contractor _____

Address _____

Plugging Method _____

Date Well Plugged _____

Plugging approved by:

_____

State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received

Quad _____ FWL _____ FSL _____

File No. C-1522 Use Dom-STK Location No. 25.28.22. 1440

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Section 6. LOG OF HOLE

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color and Type of Material Encountered
0	5	5	Top soil
5	35	30	Pink sandy clay
35	120	85	Brown sandy clay
120	125	5	Slight lime & gypsum
125	150	25	Anhydrite & gypsum
			Dry hole

Section 7. REMARKS AND ADDITIONAL INFORMATION

Water showing at 125' slight, not enough to test for salt. Deeper hole did not seem promising after 150'.

1974 OCT -3 AM 8:31
STATE ENGINEER OFFICE
DISTRICT II
ROSWELL, N. MEX.

1974 OCT -8 AM 8:14
STATE ENGINEER OFFICE
DISTRICT II
ROSWELL, N. MEX.

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Emmett D. Barron

Emmett D. Barron
Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1(a) and Section 7 need be completed.

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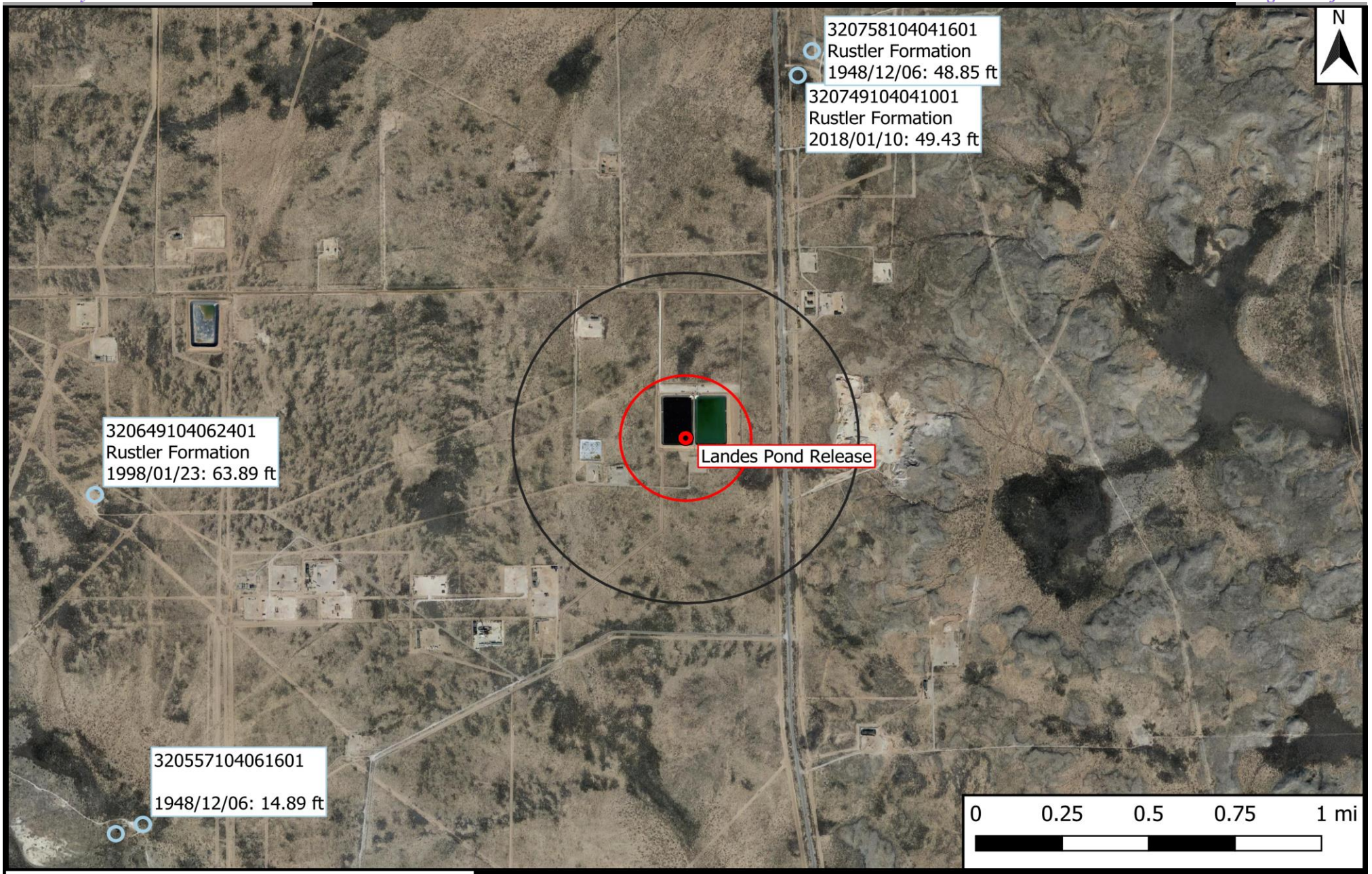

Legend
- Site Location
- Well - USGS
- 1,000-Ft Radius
- 0.5-Mi Radius

Figure 5
USGS Well Proximity Map
Solaris Water Midstream, LLC
Landes Pond Release
GPS: 32.11600, -104.07800
Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 3/2/21

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Groundwater levels for the Nation

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Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 320649104062401

Minimum number of levels = 1
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

Table of data
Tab-separated data
Graph of data
Reselect 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
1983-10-07		D	72019	63.80			1	Z			A
1987-10-13		D	72019	63.04			1	Z			A
1992-11-03		D	72019	63.20			1	S			A
1998-01-23		D	72019	63.89			1	S			A

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	A	Approved for publication -- Processing and review completed.

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

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2021-03-26 15:23:04 EDT
0.35 0.31 nadww01

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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 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

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			A
1976-01-16		D	72019	48.66			1	Z			A
1977-01-14		D	72019	48.93			1	Z			A
1978-02-23		D	72019	49.79			1	Z			A
1983-02-01		D	72019	46.67			1	Z			A
1987-10-14		D	72019	45.03			1	Z			A
1992-11-04		D	72019	47.95			3	S			A

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
1998-01-23		D	72019	49.94			1	S			A
2003-01-27		D	72019	49.87			1	S	USGS	S	A
2013-01-10	18:45 UTC	m	72019	49.43			1	S	USGS	S	A

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	3	Above
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	A	Approved for publication -- Processing and review completed.

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Page Last Modified: 2021-03-26 15:24:33 EDT
0.32 0.26 nadww01

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Groundwater levels for the Nation

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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

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
1948-12-06		D	72019	48.85			1	Z			A

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	A	Approved for publication -- Processing and review completed.

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Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2021-03-26 15:27:02 EDT
0.37 0.31 nadww02

Appendix B
Field Data & Soil Profile Logs

Page 901 of 1721

TECH
Environmental & Safety Solutions, Inc.

Sample Log

Date:

Project: Landes Pond Release

Project Number: 13261 Latitude: 32.116 Longitude: -104.078

Sample ID	PID/Odor	Chloride Conc.	GPS
NH1@surface	—	184	
NH1@1'	—	184	
NH2@surface	—	268	
NH2@1'	—	268	
EH1@surface	—	120	
EH1@1'	—	120	
SH1@surface	—	120	
SH1@1'	—	120	
SH2@surface	—	268	
SH2@1'	—	184	
WH1@surface	—	120	
WH1@1'	—	120	
SP1@surface	—	5768	
SP1@1'	—	120	
SP2@surface	—	5768	
SP2@1'	—	312	
SP3@surface	—	9584	
SP3@1'	—	184	
SP4@surface	—	516	
SP4@1'	—	120	
SP5@surface	—	4092	
SP5@1'	—	184	
SP1B@2'	—	120	
SP2B@2'	—	184	
SP6B@2'	—	184	

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

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Page 902 of 1721

eTECH Environmental & Safety Solutions, Inc.

Sample Log

Date: 1.12.20

Project: Landes Pond Release

Project Number: 13261 Latitude: 32.116 Longitude: -104.078

Sample ID	PID/Odor	Chloride Conc.	GPS
T.A. 1	-	>112	
T.A. 2	-	>112	
T.A. 3	-	11832	
T.A. 4	-	9884	
T.A. 3 @ 1'	-	748	
T.A. 5	-	628	
T.A. 6	-	688	
FL 1 @ 1'	-	316	
FL 2 @ 1'	-	268	
SW 1	-	3668	
FL 3 @ 1'	-	364	
EW 1	-	519	
EW 2	-	>112	
FL 4 @ 1'	-	1528	
FL 5 @ 1'	-	2440	
FL 6 @ 1'	-	1752	
SW 2	-	705 E	
FL 7 @ 1'	-	316	
FL 8 @ 1'	-	268	
SW 3	-	2824	
FL 4 @ 2'	-	184	
FL 5 @ 2'	-	224	
FL 6 @ 2'	-	148	
WW 1	-	120	
FL 9 @ 1'	-	2824	
FL 10 @ 1'	-	912	
FL 11 @ 1'	-	4328	
FL 12 @ 1'	-	1252	
FL 9 @ 2'	-	112	
FL 10 @ 2'	-	>112	
WW 2	-	112	
SW 4	-	412	
SW 5	-	464	
NW NW 1	-	>112	
NW NW 2	-	360	
FL 11 @ 2'	-	184	

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

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10 South
13 North

TECH
Environmental & Safety Solutions, Inc.

Sample Log

Date: 2/1/21

Project:
Project Number: Landes Pond Latitude: 32.116 Longitude: -104.078

Sample ID	PID/Odor	Chloride Conc.	GPS
SW7		4.8 860	
SW8		3.0 368	
SW9		4.0 612	
SW10		4.4 728	
SW11		2.6 292	
SW12		2.8 328	
SW13		2.8 328	
SW14		2.8 328	
SW15		2.0 196	
SW16		2.8 328	
SW7b		1.2 <120	
SW9b		1.2 <120	
SW10b		1.2 <120	
NW4		6.6 1628	2' from fence
NW5		4.6 792	2' from fence
NW6		2.6 292	add strips
NW7		3.4 516	
NW8		6.4 1632	
NW9		6.8 1860	
NW10		3.4 516	
NW11		2.0 184	
NW12		3.8 628	
NW13		4.0 688	
NW14		2.0 184	
NW15		4.0 688	
NW16		3.0 412	
WW6		2.4 268	
NW 8b		0.6 <120	
NW 9b		1.0 <120	
NW 12b		1.4 120	
NW 13b		0.6 <120	
NW 15b		2.2 224	
FL 171		2.0 184	
FL 172		2.4 268	
FL 173		2.0 184	
FL 174		2.2 224	

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

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Page 904 of 1721

TECH
Environmental & Safety Solutions, Inc.

Sample Log

Date: 2/1/21

Project:
Project Number: Landes Pond Latitude: 32.116 Longitude: -104.078

Sample ID	PID/Odor	Chloride Conc.	GPS
FL 175		2.0 184	
FL 176		2.2 224	
FL 177		1.6 120	
FL 178		2.0 184	
FL 179		1.6 120	
FL 180		2.0 184	

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

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eTECH Environmental & Safety Solutions, Inc.

Soil Profile

Date:

Project: Landes Pond Release

Project Number: 13261 Latitude: 32.116 Longitude: -104.078

Depth (ft. bgs)	Description
0-1'	Sand, caliche
1-2'	Sand, caliche

Received by OCD: 4/8/2021 7:58:59 AM

Released to Imaging: 7/22/2021 3:04:17 PM

Appendix C
Photographic Log

Photographic Log

Photo Number: 1 **Photo Direction:** East-Northeast **Photo Description:** Point of Release	

Photo Number: 2 **Photo Direction:** East **Photo Description:** Release Area	

Photographic Log

Photo Number: 3 **Photo Direction:** Southeast **Photo Description:** Release Area	

Photo Number: 4 **Photo Direction:** East **Photo Description:** Excavation	

Photographic Log

Photo Number: 5 **Photo Direction:** Northeast **Photo Description:** Excavation	

Photo Number: 6 **Photo Direction:** North **Photo Description:** Excavation	

Photographic Log

Photo Number: 7 **Photo Direction:** West **Photo Description:** Remediated Area (After Backfilling & Regrading)	

Photo Number: 8 **Photo Direction:** East **Photo Description:** Remediated Area (After Backfilling & Regrading)	

Photographic Log

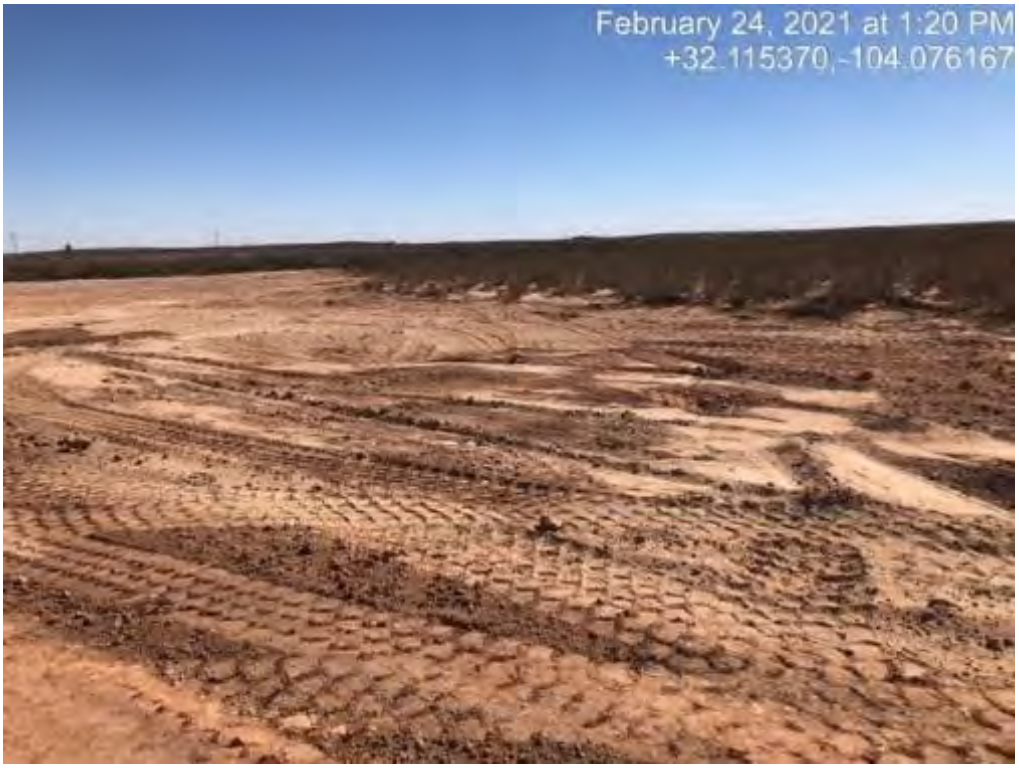
Photo Number: 9 **Photo Direction:** Southeast **Photo Description:** Remediated Area (After Backfilling & Regrading)	

Photo Number: 10 **Photo Direction:** South **Photo Description:** Remediated Area (After Backfilling & Regrading)	

Appendix D
Laboratory Analytical Reports

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Certificate of Analysis Summary 669270

Solaris Midstream, Midland, TX

Project Name: Landes Pond

Project Id:

Contact: Rob Kirk

Project Location:

Date Received in Lab: Wed 08.05.2020 14:10

Report Date: 08.06.2020 13:38

Project Manager: Jessica Kramer

Analysis Requested		669270-001		669270-002		669270-003		669270-004		669270-005		669270-006	
	Field Id:	SP-1		HA-1		SP-2		SP-3		SP-4		SP-5	
	Depth:	12- In		12- In		12- In		12- In		12- In		12- In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	08.05.2020 09:15		08.05.2020 09:25		08.05.2020 09:45		08.05.2020 10:00		08.05.2020 10:05		08.05.2020 10:20	
BTEX by EPA 8021B	***Extracted:***	08.05.2020 15:07		08.05.2020 17:07		08.05.2020 17:07		08.05.2020 17:07		08.05.2020 17:25		08.05.2020 17:25	
	Analyzed:	08.05.2020 18:44		08.06.2020 01:26		08.06.2020 01:47		08.06.2020 02:07		08.05.2020 23:29		08.05.2020 23:52	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
Toluene		<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
m,p-Xylenes		<0.00399	0.00399	<0.00399	0.00399	<0.00396	0.00396	<0.00399	0.00399	<0.00402	0.00402	<0.00401	0.00401
o-Xylene		<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
Total Xylenes		<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
Total BTEX		<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
Chloride by EPA 300	***Extracted:***	08.05.2020 16:05		08.05.2020 16:05		08.05.2020 16:05		08.05.2020 16:05		08.05.2020 16:05		08.05.2020 16:05	
	Analyzed:	08.05.2020 17:58		08.05.2020 18:14		08.05.2020 18:20		08.05.2020 18:26		08.05.2020 18:31		08.05.2020 18:48	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		1150	9.92	41.4	10.0	5310	50.2	76.1	10.0	<10.0	10.0	41.0	9.98
TPH By SW8015 Mod	***Extracted:***	08.05.2020 14:40		08.05.2020 14:40		08.05.2020 14:40		08.05.2020 14:40		08.05.2020 14:40		08.05.2020 14:40	
	Analyzed:	08.05.2020 17:08		08.05.2020 17:28		08.05.2020 17:48		08.05.2020 18:08		08.05.2020 18:28		08.05.2020 18:48	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.2	50.2	<50.2	50.2	<49.9	49.9	<49.8	49.8	<50.0	50.0
Diesel Range Organics (DRO)		<50.0	50.0	<50.2	50.2	<50.2	50.2	<49.9	49.9	<49.8	49.8	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.2	50.2	<50.2	50.2	<49.9	49.9	<49.8	49.8	<50.0	50.0
Total TPH		<50.0	50.0	<50.2	50.2	<50.2	50.2	<49.9	49.9	<49.8	49.8	<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 669270

Solaris Midstream, Midland, TX

Project Name: Landes Pond

Project Id:

Contact: Rob Kirk

Project Location:

Date Received in Lab: Wed 08.05.2020 14:10

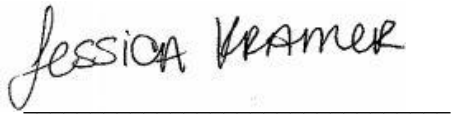
Report Date: 08.06.2020 13:38

Project Manager: Jessica Kramer

Analysis Requested									
	Lab Id:	669270-007		669270-008					
	Field Id:	SP-6		HA-2					
	Depth:	12- In		12- In					
	Matrix:	SOIL		SOIL					
	Sampled:	08.05.2020 10:30		08.05.2020 10:45					
BTEX by EPA 8021B	***Extracted:***	08.05.2020 17:25		08.05.2020 17:25					
	Analyzed:	08.06.2020 00:14		08.06.2020 00:37					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Benzene		<0.00202	0.00202	<0.00198	0.00198				
Toluene		<0.00202	0.00202	<0.00198	0.00198				
Ethylbenzene		<0.00202	0.00202	<0.00198	0.00198				
m,p-Xylenes		<0.00403	0.00403	<0.00396	0.00396				
o-Xylene		<0.00202	0.00202	<0.00198	0.00198				
Total Xylenes		<0.00202	0.00202	<0.00198	0.00198				
Total BTEX		<0.00202	0.00202	<0.00198	0.00198				
Chloride by EPA 300	***Extracted:***	08.05.2020 16:05		08.05.2020 16:05					
	Analyzed:	08.05.2020 18:53		08.05.2020 18:59					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Chloride		2210	49.8	37.9	9.92				
TPH By SW8015 Mod	***Extracted:***	08.05.2020 14:40		08.05.2020 14:40					
	Analyzed:	08.05.2020 19:08		08.05.2020 19:28					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.1	50.1				
Diesel Range Organics (DRO)		<50.0	50.0	<50.1	50.1				
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.1	50.1				
Total TPH		<50.0	50.0	<50.1	50.1				

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



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Analytical Report 669270

for

Solaris Midstream

Project Manager: Rob Kirk

Landes Pond

08.06.2020

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-36), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-25), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-7)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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08.06.2020

Project Manager: **Rob Kirk**
Solaris Midstream
907 Tradewinds Blvd
Midland, TX 79706

Reference: Eurofins Xenco, LLC Report No(s): **669270**
Landes Pond
Project Address:

Rob Kirk:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 669270. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 669270 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 669270

Solaris Midstream, Midland, TX

Landes Pond

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-1	S	08.05.2020 09:15	12 In	669270-001
HA-1	S	08.05.2020 09:25	12 In	669270-002
SP-2	S	08.05.2020 09:45	12 In	669270-003
SP-3	S	08.05.2020 10:00	12 In	669270-004
SP-4	S	08.05.2020 10:05	12 In	669270-005
SP-5	S	08.05.2020 10:20	12 In	669270-006
SP-6	S	08.05.2020 10:30	12 In	669270-007
HA-2	S	08.05.2020 10:45	12 In	669270-008

CASE NARRATIVE

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Client Name: Solaris Midstream

Project Name: Landes Pond

Project ID:
Work Order Number(s): *669270*

Report Date: *08.06.2020*
Date Received: *08.05.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

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Certificate of Analytical Results 669270

Solaris Midstream, Midland, TX

Landes Pond

Sample Id:	**SP-1**	Matrix:	Soil	Date Received:	08.05.2020 14:10
Lab Sample Id:	669270-001	Date Collected:	08.05.2020 09:15	Sample Depth:	12 In

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.05.2020 16:05	Basis:	Wet Weight
Seq Number:	3133719				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1150**	9.92	mg/kg	08.05.2020 17:58		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	08.05.2020 14:40	Basis:	Wet Weight
Seq Number:	3133666				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.05.2020 17:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.05.2020 17:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.05.2020 17:08	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.05.2020 17:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	08.05.2020 17:08	
o-Terphenyl	84-15-1	111	%	70-135	08.05.2020 17:08	

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Certificate of Analytical Results 669270

Solaris Midstream, Midland, TX

Landes Pond

Sample Id:	**SP-1**	Matrix:	Soil	Date Received:	08.05.2020 14:10
Lab Sample Id:	669270-001	Date Collected:	08.05.2020 09:15	Sample Depth:	12 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.05.2020 15:07	Basis:	Wet Weight
Seq Number:	3133717				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.05.2020 18:44	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	08.05.2020 18:44	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.05.2020 18:44	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	08.05.2020 18:44	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.05.2020 18:44	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.05.2020 18:44	U	1
Total BTEX		<0.00200	0.00200	mg/kg	08.05.2020 18:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	102	%	70-130	08.05.2020 18:44	
1,4-Difluorobenzene	540-36-3	96	%	70-130	08.05.2020 18:44	

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Certificate of Analytical Results 669270

Solaris Midstream, Midland, TX

Landes Pond

Sample Id:	**HA-1**	Matrix:	Soil	Date Received:	08.05.2020 14:10
Lab Sample Id:	669270-002	Date Collected:	08.05.2020 09:25	Sample Depth:	12 In

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.05.2020 16:05	Basis:	Wet Weight
Seq Number:	3133719				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**41.4**	10.0	mg/kg	08.05.2020 18:14		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	08.05.2020 14:40	Basis:	Wet Weight
Seq Number:	3133666				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	08.05.2020 17:28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	08.05.2020 17:28	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	08.05.2020 17:28	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	08.05.2020 17:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	08.05.2020 17:28	
o-Terphenyl	84-15-1	107	%	70-135	08.05.2020 17:28	

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Certificate of Analytical Results 669270

Solaris Midstream, Midland, TX

Landes Pond

Sample Id:	**HA-1**	Matrix:	Soil	Date Received:	08.05.2020 14:10
Lab Sample Id:	669270-002	Date Collected:	08.05.2020 09:25	Sample Depth:	12 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.05.2020 17:07	Basis:	Wet Weight
Seq Number:	3133717				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.06.2020 01:26	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	08.06.2020 01:26	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.06.2020 01:26	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	08.06.2020 01:26	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.06.2020 01:26	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.06.2020 01:26	U	1
Total BTEX		<0.00200	0.00200	mg/kg	08.06.2020 01:26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	106	%	70-130	08.06.2020 01:26	
1,4-Difluorobenzene	540-36-3	103	%	70-130	08.06.2020 01:26	

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Certificate of Analytical Results 669270

Solaris Midstream, Midland, TX

Landes Pond

Sample Id:	**SP-2**	Matrix:	Soil	Date Received:	08.05.2020 14:10
Lab Sample Id:	669270-003	Date Collected:	08.05.2020 09:45	Sample Depth:	12 In

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.05.2020 16:05	Basis:	Wet Weight
Seq Number:	3133719				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5310**	50.2	mg/kg	08.05.2020 18:20		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	08.05.2020 14:40	Basis:	Wet Weight
Seq Number:	3133666				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	08.05.2020 17:48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	08.05.2020 17:48	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	08.05.2020 17:48	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	08.05.2020 17:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	08.05.2020 17:48	
o-Terphenyl	84-15-1	102	%	70-135	08.05.2020 17:48	

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Certificate of Analytical Results 669270

Solaris Midstream, Midland, TX

Landes Pond

Sample Id:	**SP-2**	Matrix:	Soil	Date Received:	08.05.2020 14:10
Lab Sample Id:	669270-003	Date Collected:	08.05.2020 09:45	Sample Depth:	12 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.05.2020 17:07	Basis:	Wet Weight
Seq Number:	3133717				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	08.06.2020 01:47	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	08.06.2020 01:47	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	08.06.2020 01:47	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	08.06.2020 01:47	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	08.06.2020 01:47	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	08.06.2020 01:47	U	1
Total BTEX		<0.00198	0.00198	mg/kg	08.06.2020 01:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	107	%	70-130	08.06.2020 01:47	
4-Bromofluorobenzene	460-00-4	102	%	70-130	08.06.2020 01:47	

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Certificate of Analytical Results 669270

Solaris Midstream, Midland, TX

Landes Pond

Sample Id:	**SP-3**	Matrix:	Soil	Date Received:	08.05.2020 14:10
Lab Sample Id:	669270-004	Date Collected:	08.05.2020 10:00	Sample Depth:	12 In

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.05.2020 16:05	Basis:	Wet Weight
Seq Number:	3133719				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**76.1**	10.0	mg/kg	08.05.2020 18:26		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	08.05.2020 14:40	Basis:	Wet Weight
Seq Number:	3133666				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	08.05.2020 18:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	08.05.2020 18:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	08.05.2020 18:08	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	08.05.2020 18:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	08.05.2020 18:08	
o-Terphenyl	84-15-1	98	%	70-135	08.05.2020 18:08	

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Certificate of Analytical Results 669270

Solaris Midstream, Midland, TX

Landes Pond

Sample Id:	**SP-3**	Matrix:	Soil	Date Received:	08.05.2020 14:10
Lab Sample Id:	669270-004	Date Collected:	08.05.2020 10:00	Sample Depth:	12 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.05.2020 17:07	Basis:	Wet Weight
Seq Number:	3133717				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.06.2020 02:07	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	08.06.2020 02:07	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.06.2020 02:07	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	08.06.2020 02:07	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.06.2020 02:07	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.06.2020 02:07	U	1
Total BTEX		<0.00200	0.00200	mg/kg	08.06.2020 02:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	101	%	70-130	08.06.2020 02:07	
1,4-Difluorobenzene	540-36-3	99	%	70-130	08.06.2020 02:07	

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Solaris Midstream, Midland, TX

Landes Pond

Sample Id:	**SP-4**	Matrix:	Soil	Date Received:	08.05.2020 14:10
Lab Sample Id:	669270-005	Date Collected:	08.05.2020 10:05	Sample Depth:	12 In

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.05.2020 16:05	Basis:	Wet Weight
Seq Number:	3133719				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.0	10.0	mg/kg	08.05.2020 18:31	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	08.05.2020 14:40	Basis:	Wet Weight
Seq Number:	3133666				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	08.05.2020 18:28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	08.05.2020 18:28	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	08.05.2020 18:28	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	08.05.2020 18:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	08.05.2020 18:28	
o-Terphenyl	84-15-1	99	%	70-135	08.05.2020 18:28	

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Solaris Midstream, Midland, TX

Landes Pond

Sample Id:	**SP-4**	Matrix:	Soil	Date Received:	08.05.2020 14:10
Lab Sample Id:	669270-005	Date Collected:	08.05.2020 10:05	Sample Depth:	12 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.05.2020 17:25	Basis:	Wet Weight
Seq Number:	3133716				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	08.05.2020 23:29	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	08.05.2020 23:29	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	08.05.2020 23:29	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	08.05.2020 23:29	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	08.05.2020 23:29	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	08.05.2020 23:29	U	1
Total BTEX		<0.00201	0.00201	mg/kg	08.05.2020 23:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	08.05.2020 23:29	
4-Bromofluorobenzene	460-00-4	105	%	70-130	08.05.2020 23:29	

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Solaris Midstream, Midland, TX

Landes Pond

Sample Id:	**SP-5**	Matrix:	Soil	Date Received:	08.05.2020 14:10
Lab Sample Id:	669270-006	Date Collected:	08.05.2020 10:20	Sample Depth:	12 In

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.05.2020 16:05	Basis:	Wet Weight
Seq Number:	3133719				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**41.0**	9.98	mg/kg	08.05.2020 18:48		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	08.05.2020 14:40	Basis:	Wet Weight
Seq Number:	3133666				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.05.2020 18:48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.05.2020 18:48	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.05.2020 18:48	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.05.2020 18:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	08.05.2020 18:48	
o-Terphenyl	84-15-1	98	%	70-135	08.05.2020 18:48	

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Solaris Midstream, Midland, TX

Landes Pond

Sample Id:	**SP-5**	Matrix:	Soil	Date Received:	08.05.2020 14:10
Lab Sample Id:	669270-006	Date Collected:	08.05.2020 10:20	Sample Depth:	12 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.05.2020 17:25	Basis:	Wet Weight
Seq Number:	3133716				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.05.2020 23:52	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	08.05.2020 23:52	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.05.2020 23:52	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	08.05.2020 23:52	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.05.2020 23:52	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.05.2020 23:52	U	1
Total BTEX		<0.00200	0.00200	mg/kg	08.05.2020 23:52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	08.05.2020 23:52	
4-Bromofluorobenzene	460-00-4	106	%	70-130	08.05.2020 23:52	

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Solaris Midstream, Midland, TX

Landes Pond

Sample Id:	**SP-6**	Matrix:	Soil	Date Received:	08.05.2020 14:10
Lab Sample Id:	669270-007	Date Collected:	08.05.2020 10:30	Sample Depth:	12 In

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.05.2020 16:05	Basis:	Wet Weight
Seq Number:	3133719				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2210**	49.8	mg/kg	08.05.2020 18:53		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	08.05.2020 14:40	Basis:	Wet Weight
Seq Number:	3133666				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.05.2020 19:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.05.2020 19:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.05.2020 19:08	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.05.2020 19:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	08.05.2020 19:08	
o-Terphenyl	84-15-1	100	%	70-135	08.05.2020 19:08	

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Solaris Midstream, Midland, TX

Landes Pond

Sample Id:	**SP-6**	Matrix:	Soil	Date Received:	08.05.2020 14:10
Lab Sample Id:	669270-007	Date Collected:	08.05.2020 10:30	Sample Depth:	12 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.05.2020 17:25	Basis:	Wet Weight
Seq Number:	3133716				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	08.06.2020 00:14	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	08.06.2020 00:14	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	08.06.2020 00:14	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	08.06.2020 00:14	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	08.06.2020 00:14	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	08.06.2020 00:14	U	1
Total BTEX		<0.00202	0.00202	mg/kg	08.06.2020 00:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	08.06.2020 00:14	
4-Bromofluorobenzene	460-00-4	101	%	70-130	08.06.2020 00:14	

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Solaris Midstream, Midland, TX

Landes Pond

Sample Id:	**HA-2**	Matrix:	Soil	Date Received:	08.05.2020 14:10
Lab Sample Id:	669270-008	Date Collected:	08.05.2020 10:45	Sample Depth:	12 In

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.05.2020 16:05	Basis:	Wet Weight
Seq Number:	3133719				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**37.9**	9.92	mg/kg	08.05.2020 18:59		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	08.05.2020 14:40	Basis:	Wet Weight
Seq Number:	3133666				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	08.05.2020 19:28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	08.05.2020 19:28	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	08.05.2020 19:28	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	08.05.2020 19:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-135	08.05.2020 19:28	
o-Terphenyl	84-15-1	97	%	70-135	08.05.2020 19:28	

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Certificate of Analytical Results 669270

Solaris Midstream, Midland, TX

Landes Pond

Sample Id:	**HA-2**	Matrix:	Soil	Date Received:	08.05.2020 14:10
Lab Sample Id:	669270-008	Date Collected:	08.05.2020 10:45	Sample Depth:	12 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.05.2020 17:25	Basis:	Wet Weight
Seq Number:	3133716				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	08.06.2020 00:37	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	08.06.2020 00:37	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	08.06.2020 00:37	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	08.06.2020 00:37	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	08.06.2020 00:37	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	08.06.2020 00:37	U	1
Total BTEX		<0.00198	0.00198	mg/kg	08.06.2020 00:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	100	%	70-130	08.06.2020 00:37	
1,4-Difluorobenzene	540-36-3	101	%	70-130	08.06.2020 00:37	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 669270

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Solaris Midstream

Landes Pond

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3133719 — Matrix: Solid — Date Prep: 08.05.2020
MB Sample Id: 7708822-1-BLK — LCS Sample Id: 7708822-1-BKS — LCSD Sample Id: 7708822-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	269	108	268	107	90-110	0	20	mg/kg	08.05.2020 17:46	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3133719 — Matrix: Soil — Date Prep: 08.05.2020
Parent Sample Id: 669270-001 — MS Sample Id: 669270-001 S — MSD Sample Id: 669270-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	1150	199	1340	95	1340	95	90-110	0	20	mg/kg	08.05.2020 18:03	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3133719 — Matrix: Soil — Date Prep: 08.05.2020
Parent Sample Id: 669279-003 — MS Sample Id: 669279-003 S — MSD Sample Id: 669279-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	132	200	334	101	332	100	90-110	1	20	mg/kg	08.05.2020 19:21	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3133666 — Matrix: Solid — Date Prep: 08.05.2020
MB Sample Id: 7708781-1-BLK — LCS Sample Id: 7708781-1-BKS — LCSD Sample Id: 7708781-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	993	99	1000	100	70-135	1	35	mg/kg	08.05.2020 15:25	
Diesel Range Organics (DRO)	<50.0	1000	1040	104	1040	104	70-135	0	35	mg/kg	08.05.2020 15:25	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	104		120		120		70-135	%	08.05.2020 15:25
o-Terphenyl	104		112		110		70-135	%	08.05.2020 15:25

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3133666 — Matrix: Solid — Date Prep: 08.05.2020
MB Sample Id: 7708781-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	08.05.2020 15:05	

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 669270

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Solaris Midstream

Landes Pond

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3133666 Matrix: Soil Date Prep: 08.05.2020
Parent Sample Id: 669190-001 MS Sample Id: 669190-001 S MSD Sample Id: 669190-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	939	94	915	92	70-135	3	35	mg/kg	08.05.2020 16:26	
Diesel Range Organics (DRO)	<50.0	1000	967	97	962	96	70-135	1	35	mg/kg	08.05.2020 16:26	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	118		116		70-135	%	08.05.2020 16:26
o-Terphenyl	106		107		70-135	%	08.05.2020 16:26

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3133717 Matrix: Solid Date Prep: 08.05.2020
MB Sample Id: 7708827-1-BLK LCS Sample Id: 7708827-1-BKS LCSD Sample Id: 7708827-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0987	99	0.0973	97	70-130	1	35	mg/kg	08.05.2020 16:47	
Toluene	<0.00200	0.100	0.0958	96	0.0916	92	70-130	4	35	mg/kg	08.05.2020 16:47	
Ethylbenzene	<0.00200	0.100	0.0999	100	0.0965	97	71-129	3	35	mg/kg	08.05.2020 16:47	
m,p-Xylenes	<0.00400	0.200	0.204	102	0.199	100	70-135	2	35	mg/kg	08.05.2020 16:47	
o-Xylene	<0.00200	0.100	0.103	103	0.0978	98	71-133	5	35	mg/kg	08.05.2020 16:47	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		96		96		70-130	%	08.05.2020 16:47
4-Bromofluorobenzene	104		95		97		70-130	%	08.05.2020 16:47

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3133716 Matrix: Solid Date Prep: 08.05.2020
MB Sample Id: 7708826-1-BLK LCS Sample Id: 7708826-1-BKS LCSD Sample Id: 7708826-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.107	107	0.109	109	70-130	2	35	mg/kg	08.05.2020 19:57	
Toluene	<0.00200	0.100	0.101	101	0.104	104	70-130	3	35	mg/kg	08.05.2020 19:57	
Ethylbenzene	<0.00200	0.100	0.0948	95	0.0970	97	71-129	2	35	mg/kg	08.05.2020 19:57	
m,p-Xylenes	<0.00400	0.200	0.193	97	0.197	99	70-135	2	35	mg/kg	08.05.2020 19:57	
o-Xylene	<0.00200	0.100	0.0949	95	0.0975	98	71-133	3	35	mg/kg	08.05.2020 19:57	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	100		100		99		70-130	%	08.05.2020 19:57
4-Bromofluorobenzene	96		102		103		70-130	%	08.05.2020 19:57

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 669270

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Solaris Midstream

Landes Pond

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3133717 Matrix: Soil Date Prep: 08.05.2020
Parent Sample Id: 669270-001 MS Sample Id: 669270-001 S MSD Sample Id: 669270-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.102	102	0.0957	96	70-130	6	35	mg/kg	08.05.2020 17:28	
Toluene	<0.00200	0.100	0.0980	98	0.0916	92	70-130	7	35	mg/kg	08.05.2020 17:28	
Ethylbenzene	<0.00200	0.100	0.0985	99	0.0922	92	71-129	7	35	mg/kg	08.05.2020 17:28	
m,p-Xylenes	<0.00401	0.200	0.200	100	0.189	95	70-135	6	35	mg/kg	08.05.2020 17:28	
o-Xylene	<0.00200	0.100	0.0999	100	0.0948	95	71-133	5	35	mg/kg	08.05.2020 17:28	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		98		70-130	%	08.05.2020 17:28
4-Bromofluorobenzene	103		100		70-130	%	08.05.2020 17:28

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3133716 Matrix: Soil Date Prep: 08.05.2020
Parent Sample Id: 669287-001 MS Sample Id: 669287-001 S MSD Sample Id: 669287-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.100	0.126	126	0.121	121	70-130	4	35	mg/kg	08.05.2020 20:42	
Toluene	<0.00201	0.100	0.124	124	0.113	113	70-130	9	35	mg/kg	08.05.2020 20:42	
Ethylbenzene	<0.00201	0.100	0.115	115	0.104	104	71-129	10	35	mg/kg	08.05.2020 20:42	
m,p-Xylenes	<0.00402	0.201	0.231	115	0.208	104	70-135	10	35	mg/kg	08.05.2020 20:42	
o-Xylene	<0.00201	0.100	0.113	113	0.102	102	71-133	10	35	mg/kg	08.05.2020 20:42	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		98		70-130	%	08.05.2020 20:42
4-Bromofluorobenzene	102		98		70-130	%	08.05.2020 20:42

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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XENCO LABORATORIES

Chain of Custody

Work Order No: 16e9270

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Crasbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701
www.xenco.com

Page 1 of 1

Project Manager:	Rob Kirk	Bill to: (if different)	
Company Name:	Solaris Water Midstream	Company Name:	
Address:	3305 Boyd Drive	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	469-978-5620	Email:	Rob.Kirk@solarismidstream.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond	Turn Around	
Project Number:		Routine	☒
Project Location		Rush:	
Sampler's Name:		Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	3.2 / 3.0	Thermometer ID	TNM007
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes (No) N/A	Total Containers:	8

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Pres. Code	Chlorides	BTEX	TPH-8015	Sample Comments
	SP-1	S	8/5/20	9:15 AM	12"	1		X	X	X	
	HA-1			9:25 AM	12"	1					
	SP-2			9:45 AM		1					
	SP-3			10:00 AM		1					
	SP-4			10:05 AM		1					
	SP-5			10:20 AM		1					
	SP-6			10:30 AM		1					
	HA-2			10:45 AM		1					

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		8/5/20 14:10	2		
			4		
			6		

Revised Date 022619 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Final 1.000
Page 27 of 28
Released to Imaging: 7/22/2021 3:04:17 PM

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Solaris Midstream

Date/ Time Received: 08.05.2020 02.10.00 PM

Work Order #: 669270

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T-Nm-007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	3	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	Samples received in bulk containers.
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**No**	
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Elizabeth McClellan Date: 08.05.2020

Checklist reviewed by: Jessica Kramer Date: 08.06.2020

Jessica Kramer

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Certificate of Analysis Summary 675914

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id:

Contact: PM

Project Location: Rural Eddy County

Date Received in Lab: Thu 10.22.2020 15:25

Report Date: 10.26.2020 13:44

Project Manager: Jessica Kramer

Analysis Requested											
	Lab Id:	675914-001		675914-002		675914-003					
	Field Id:	SP1 B @ 2'		SP2 B @ 2'		SP6 B @ 2'					
	Depth:	2- ft		2- ft		2- ft					
	Matrix:	SOIL		SOIL		SOIL					
	Sampled:	10.22.2020 00:00		10.22.2020 00:00		10.22.2020 00:00					
BTEX by EPA 8021B	***Extracted:***	10.22.2020 16:16		10.22.2020 16:16		10.22.2020 16:16					
	Analyzed:	10.23.2020 20:29		10.23.2020 20:51		10.23.2020 22:11					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Benzene		<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198				
Toluene		<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198				
Ethylbenzene		<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198				
m,p-Xylenes		<0.00401	0.00401	<0.00396	0.00396	<0.00395	0.00395				
o-Xylene		<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198				
Total Xylenes		<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198				
Total BTEX		<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198				
Inorganic Anions by EPA 300	***Extracted:***	10.23.2020 08:00		10.23.2020 08:00		10.23.2020 08:00					
	Analyzed:	10.23.2020 09:52		10.23.2020 10:10		10.23.2020 10:16					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		22.1	9.92	32.5	10.0	49.0	9.90				
TPH by SW8015 Mod	***Extracted:***	10.22.2020 17:00		10.22.2020 17:00		10.22.2020 17:00					
	Analyzed:	10.23.2020 14:00		10.23.2020 14:20		10.23.2020 14:41					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.2	50.2	<50.0	50.0	<50.1	50.1				
Diesel Range Organics (DRO)		<50.2	50.2	<50.0	50.0	<50.1	50.1				
Motor Oil Range Hydrocarbons (MRO)		<50.2	50.2	<50.0	50.0	<50.1	50.1				
Total TPH		<50.2	50.2	<50.0	50.0	<50.1	50.1				

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Analytical Report 675914

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

Landes Pond Release

10.26.2020

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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10.26.2020

Project Manager: **PM**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **675914**
Landes Pond Release
Project Address: Rural Eddy County

PM :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 675914. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 675914 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 675914

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP1 B @ 2'	S	10.22.2020 00:00	2 ft	675914-001
SP2 B @ 2'	S	10.22.2020 00:00	2 ft	675914-002
SP6 B @ 2'	S	10.22.2020 00:00	2 ft	675914-003

CASE NARRATIVE

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Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Landes Pond Release

Project ID:
Work Order Number(s): *675914*

Report Date: *10.26.2020*
Date Received: *10.22.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

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Certificate of Analytical Results 675914

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SP1 B @ 2'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675914-001	Date Collected:	10.22.2020 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 08:00	% Moisture:	
Seq Number:	3140529			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**22.1**	9.92	mg/kg	10.23.2020 09:52		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	MAB				
Analyst:	CAC	Date Prep:	10.22.2020 17:00	% Moisture:	
Seq Number:	3140536			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	10.23.2020 14:00	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	10.23.2020 14:00	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	10.23.2020 14:00	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	10.23.2020 14:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	10.23.2020 14:00	
o-Terphenyl	84-15-1	96	%	70-135	10.23.2020 14:00	

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Certificate of Analytical Results 675914

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SP1 B @ 2'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675914-001	Date Collected:	10.22.2020 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.22.2020 16:16	% Moisture:	
Seq Number:	3140546			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	10.23.2020 20:29	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	10.23.2020 20:29	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.23.2020 20:29	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	10.23.2020 20:29	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	10.23.2020 20:29	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	10.23.2020 20:29	U	1
Total BTEX		<0.00200	0.00200	mg/kg	10.23.2020 20:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	10.23.2020 20:29	
4-Bromofluorobenzene	460-00-4	113	%	70-130	10.23.2020 20:29	

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Certificate of Analytical Results 675914

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SP2 B @ 2'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675914-002	Date Collected:	10.22.2020 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 08:00	% Moisture:	
Seq Number:	3140529			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**32.5**	10.0	mg/kg	10.23.2020 10:10		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	MAB				
Analyst:	CAC	Date Prep:	10.22.2020 17:00	% Moisture:	
Seq Number:	3140536			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.23.2020 14:20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	10.23.2020 14:20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.23.2020 14:20	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.23.2020 14:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	10.23.2020 14:20	
o-Terphenyl	84-15-1	98	%	70-135	10.23.2020 14:20	

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Certificate of Analytical Results 675914

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SP2 B @ 2'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675914-002	Date Collected:	10.22.2020 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.22.2020 16:16	% Moisture:	
Seq Number:	3140546			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	10.23.2020 20:51	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	10.23.2020 20:51	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	10.23.2020 20:51	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	10.23.2020 20:51	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	10.23.2020 20:51	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	10.23.2020 20:51	U	1
Total BTEX		<0.00198	0.00198	mg/kg	10.23.2020 20:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	10.23.2020 20:51	
4-Bromofluorobenzene	460-00-4	113	%	70-130	10.23.2020 20:51	

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Certificate of Analytical Results 675914

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SP6 B @ 2'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675914-003	Date Collected:	10.22.2020 00:00	Sample Depth:	2 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 10.23.2020 08:00 % Moisture:

Seq Number: 3140529 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**49.0**	9.90	mg/kg	10.23.2020 10:16		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: MAB

Analyst: CAC Date Prep: 10.22.2020 17:00 % Moisture:

Seq Number: 3140536 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	10.23.2020 14:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	10.23.2020 14:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	10.23.2020 14:41	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	10.23.2020 14:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	10.23.2020 14:41	
o-Terphenyl	84-15-1	108	%	70-135	10.23.2020 14:41	

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Certificate of Analytical Results 675914

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SP6 B @ 2'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675914-003	Date Collected:	10.22.2020 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.22.2020 16:16	% Moisture:	
Seq Number:	3140546			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	10.23.2020 22:11	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	10.23.2020 22:11	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	10.23.2020 22:11	U	1
m,p-Xylenes	179601-23-1	<0.00395	0.00395	mg/kg	10.23.2020 22:11	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	10.23.2020 22:11	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	10.23.2020 22:11	U	1
Total BTEX		<0.00198	0.00198	mg/kg	10.23.2020 22:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	10.23.2020 22:11	
4-Bromofluorobenzene	460-00-4	112	%	70-130	10.23.2020 22:11	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 675914

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3140529 — Matrix: Solid — Date Prep: 10.23.2020
MB Sample Id: 7713818-1-BLK — LCS Sample Id: 7713818-1-BKS — LCSD Sample Id: 7713818-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	251	100	245	98	90-110	2	20	mg/kg	10.23.2020 09:40	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3140529 — Matrix: Soil — Date Prep: 10.23.2020
Parent Sample Id: 675914-001 — MS Sample Id: 675914-001 S — MSD Sample Id: 675914-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	22.1	199	216	97	214	96	90-110	1	20	mg/kg	10.23.2020 09:58	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3140529 — Matrix: Soil — Date Prep: 10.23.2020
Parent Sample Id: 675916-008 — MS Sample Id: 675916-008 S — MSD Sample Id: 675916-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	200	210	105	209	105	90-110	0	20	mg/kg	10.23.2020 11:21	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3140536 — Matrix: Solid — Date Prep: 10.22.2020
MB Sample Id: 7713812-1-BLK — LCS Sample Id: 7713812-1-BKS — LCSD Sample Id: 7713812-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1160	116	1070	107	70-135	8	35	mg/kg	10.23.2020 11:18	
Diesel Range Organics (DRO)	<50.0	1000	1110	111	1100	110	70-135	1	35	mg/kg	10.23.2020 11:18	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	133		133		128		70-135	%	10.23.2020 11:18
o-Terphenyl	116		123		105		70-135	%	10.23.2020 11:18

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3140536 — Matrix: Solid — Date Prep: 10.22.2020
MB Sample Id: 7713812-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	10.23.2020 10:58	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 675914

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3140536 — Matrix: Soil — Date Prep: 10.22.2020
Parent Sample Id: 675810-001 — MS Sample Id: 675810-001 S — MSD Sample Id: 675810-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.1	1000	800	80	849	85	70-135	6	35	mg/kg	10.23.2020 12:39	
Diesel Range Organics (DRO)	<50.1	1000	875	88	895	90	70-135	2	35	mg/kg	10.23.2020 12:39	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	127		129		70-135	%	10.23.2020 12:39
o-Terphenyl	99		101		70-135	%	10.23.2020 12:39

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3140546 — Matrix: Solid — Date Prep: 10.22.2020
MB Sample Id: 7713744-1-BLK — LCS Sample Id: 7713744-1-BKS — LCSD Sample Id: 7713744-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0926	93	0.0939	94	70-130	1	35	mg/kg	10.23.2020 14:14	
Toluene	<0.00200	0.100	0.104	104	0.101	101	70-130	3	35	mg/kg	10.23.2020 14:14	
Ethylbenzene	<0.00200	0.100	0.0875	88	0.0900	90	71-129	3	35	mg/kg	10.23.2020 14:14	
m,p-Xylenes	<0.00400	0.200	0.178	89	0.178	89	70-135	0	35	mg/kg	10.23.2020 14:14	
o-Xylene	<0.00200	0.100	0.0889	89	0.0905	91	71-133	2	35	mg/kg	10.23.2020 14:14	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	107		100		98		70-130	%	10.23.2020 14:14
4-Bromofluorobenzene	116		108		104		70-130	%	10.23.2020 14:14

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3140546 — Matrix: Soil — Date Prep: 10.22.2020
Parent Sample Id: 675674-016 — MS Sample Id: 675674-016 S — MSD Sample Id: 675674-016 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.107	107	0.0943	94	70-130	13	35	mg/kg	10.23.2020 14:59	
Toluene	0.0142	0.100	0.117	103	0.103	89	70-130	13	35	mg/kg	10.23.2020 14:59	
Ethylbenzene	<0.00200	0.100	0.101	101	0.0900	90	71-129	12	35	mg/kg	10.23.2020 14:59	
m,p-Xylenes	<0.00401	0.200	0.204	102	0.180	90	70-135	13	35	mg/kg	10.23.2020 14:59	
o-Xylene	<0.00200	0.100	0.0999	100	0.0916	92	71-133	9	35	mg/kg	10.23.2020 14:59	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	100		105		70-130	%	10.23.2020 14:59
4-Bromofluorobenzene	109		109		70-130	%	10.23.2020 14:59

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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Chain of Custody

XENCO

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 675914

www.xenco.com Page 1 of 1

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Solaris Water Midstream
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/US ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13761	Routine:	☑
Project Location	Rural Eddy county	Rush:	☐
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes / No	Wet Ice:	Yes / No
Temperature (°C):	5.2/5.0	Thermometer ID	TNM007
Received Intact:	Yes / No		
Cooler Custody Seals:	Yes / No / N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes / No / N/A	Total Containers:	3

ANALYSIS REQUEST

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day received by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005	Sample Comments
SP1B@2'	Soil	10.22.20		2'	1	X	X	X		
SP2B@2'	Soil	10.22.20		2'	1	X	X	X		
SP6B@2'	Soil	10.22.20		2'	1	X	X	X		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		10/22/20 15:25	2		
3			4		
5			6		

Revised Date 101419 Rev 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
Page 15 of 16

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 10.22.2020 03.25.00 PM

Work Order #: 675914

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	5	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	Samples received in bulk containers.
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**No**	
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 10.22.2020

Cloe Clifton

Checklist reviewed by: Jessica Kramer Date: 10.23.2020

Jessica Kramer

eurofins | Environment Testing Xenco

Certificate of Analysis Summary 675916

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Thu 10.22.2020 15:25
Report Date: 10.26.2020 16:28
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	675916-001		675916-002		675916-003		675916-004		675916-005		675916-006	
	Field Id:	NH 1 @ Surface		NH 1 @ 1'		NH 2 @ Surface		NH 2 @ 1'		EH 1 @ Surface		EH 1 @ 1'	
	Depth:			1- ft				1- ft				1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	10.22.2020 00:00		10.22.2020 00:00		10.22.2020 00:00		10.22.2020 00:00		10.22.2020 00:00		10.22.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	10.22.2020 16:16		10.22.2020 16:16		10.22.2020 16:16		10.22.2020 16:16		10.22.2020 16:16		10.22.2020 16:16	
	Analyzed:	10.23.2020 22:33		10.23.2020 22:55		10.23.2020 23:18		10.23.2020 23:40		10.24.2020 00:03		10.24.2020 00:25	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Toluene		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Ethylbenzene		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
m,p-Xylenes		<0.00398	0.00398	<0.00403	0.00403	<0.00399	0.00399	<0.00400	0.00400	<0.00398	0.00398	<0.00398	0.00398
o-Xylene		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Total Xylenes		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Total BTEX		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Inorganic Anions by EPA 300	***Extracted:***	10.23.2020 08:00		10.23.2020 08:00		10.23.2020 08:00		10.23.2020 08:00		10.23.2020 08:00		10.23.2020 08:00	
	Analyzed:	10.23.2020 10:22		10.23.2020 10:27		10.23.2020 10:45		10.23.2020 10:51		10.23.2020 10:57		10.23.2020 11:03	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		202	49.6	223	49.9	188	50.1	155	50.1	<10.1	10.1	45.1	10.0
TPH by SW8015 Mod	***Extracted:***	10.22.2020 17:00		10.22.2020 17:00		10.22.2020 17:00		10.22.2020 17:00		10.22.2020 17:00		10.22.2020 17:00	
	Analyzed:	10.23.2020 15:01		10.23.2020 15:21		10.23.2020 15:41		10.23.2020 16:01		10.23.2020 16:42		10.23.2020 17:01	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.1	50.1	<50.2	50.2	<49.8	49.8	<50.1	50.1	<49.9	49.9	<50.3	50.3
Diesel Range Organics (DRO)		<50.1	50.1	<50.2	50.2	<49.8	49.8	<50.1	50.1	<49.9	49.9	<50.3	50.3
Motor Oil Range Hydrocarbons (MRO)		<50.1	50.1	<50.2	50.2	<49.8	49.8	<50.1	50.1	<49.9	49.9	<50.3	50.3
Total TPH		<50.1	50.1	<50.2	50.2	<49.8	49.8	<50.1	50.1	<49.9	49.9	<50.3	50.3

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 675916

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Thu 10.22.2020 15:25
Report Date: 10.26.2020 16:28
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	675916-007		675916-008		675916-009		675916-010		675916-011		675916-012	
	Field Id:	SH 1 @ Surface		SH 1 @ 1'		SH 2 @ Surface		SH 2 @ 1'		WH 1 @ Surface		WH 1 @ 1'	
	Depth:			1- ft				1- ft				1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	10.22.2020 00:00		10.22.2020 00:00		10.22.2020 00:00		10.22.2020 00:00		10.22.2020 00:00		10.22.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	10.22.2020 16:16		10.22.2020 16:16		10.22.2020 16:16		10.23.2020 09:36		10.23.2020 09:36		10.23.2020 09:36	
	Analyzed:	10.24.2020 00:47		10.24.2020 01:10		10.24.2020 01:32		10.23.2020 13:21		10.23.2020 13:43		10.23.2020 14:28	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00202	0.00202
Toluene		<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00202	0.00202
Ethylbenzene		<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00202	0.00202
m,p-Xylenes		<0.00402	0.00402	<0.00404	0.00404	<0.00399	0.00399	<0.00402	0.00402	<0.00402	0.00402	<0.00403	0.00403
o-Xylene		<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00202	0.00202
Total Xylenes		<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00202	0.00202
Total BTEX		<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00202	0.00202
Inorganic Anions by EPA 300	***Extracted:***	10.23.2020 08:00		10.23.2020 08:00		10.23.2020 08:00		10.23.2020 08:00		10.23.2020 08:00		10.23.2020 08:00	
	Analyzed:	10.23.2020 11:09		10.23.2020 11:15		10.23.2020 11:33		10.23.2020 11:39		10.23.2020 11:45		10.23.2020 12:03	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		27.1	9.96	<9.98	9.98	168	50.1	180	50.4	51.7	10.1	7370	198
TPH by SW8015 Mod	***Extracted:***	10.22.2020 17:00		10.22.2020 17:00		10.22.2020 17:00		10.22.2020 17:00		10.22.2020 17:00		10.22.2020 17:00	
	Analyzed:	10.23.2020 17:22		10.23.2020 17:42		10.23.2020 18:02		10.23.2020 18:22		10.23.2020 18:42		10.23.2020 19:03	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.2	50.2	<50.0	50.0	<50.2	50.2	<50.0	50.0	<49.8	49.8
Diesel Range Organics (DRO)		<50.0	50.0	<50.2	50.2	<50.0	50.0	<50.2	50.2	<50.0	50.0	<49.8	49.8
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.2	50.2	<50.0	50.0	<50.2	50.2	<50.0	50.0	<49.8	49.8
Total TPH		<50.0	50.0	<50.2	50.2	<50.0	50.0	<50.2	50.2	<50.0	50.0	<49.8	49.8

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 675916

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Thu 10.22.2020 15:25
Report Date: 10.26.2020 16:28
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	675916-013		675916-014		675916-015		675916-016		675916-017		675916-018	
	Field Id:	SP 1 @ Surface		SP 1 @ 1'		SP 2 @ Surface		SP 2 @ 1'		SP 3 @ Surface		SP 3 @ 1'	
	Depth:			1- ft				1- ft				1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	10.22.2020 00:00		10.22.2020 00:00		10.22.2020 00:00		10.22.2020 00:00		10.22.2020 00:00		10.22.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	10.23.2020 09:36		10.23.2020 09:36		10.23.2020 09:36		10.23.2020 09:36		10.23.2020 09:36		10.23.2020 09:36	
	Analyzed:	10.23.2020 18:21		10.23.2020 18:44		10.23.2020 19:06		10.23.2020 19:28		10.23.2020 19:51		10.23.2020 20:13	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Toluene		<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Ethylbenzene		<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
m,p-Xylenes		<0.00398	0.00398	<0.00399	0.00399	<0.00398	0.00398	<0.00399	0.00399	<0.00401	0.00401	<0.00398	0.00398
o-Xylene		<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Total Xylenes		<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Total BTEX		<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Inorganic Anions by EPA 300	***Extracted:***	10.23.2020 08:00		10.23.2020 08:00		10.23.2020 08:00		10.23.2020 08:00		10.23.2020 08:00		10.23.2020 13:07	
	Analyzed:	10.23.2020 12:09		10.23.2020 12:15		10.23.2020 12:21		10.23.2020 12:27		10.23.2020 12:33		10.23.2020 13:09	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		356	9.96	52.9	9.90	7690	200	426	9.92	11200	200	339	9.90
TPH by SW8015 Mod	***Extracted:***	10.22.2020 17:00		10.22.2020 17:00		10.22.2020 17:00		10.22.2020 17:00		10.22.2020 17:00		10.22.2020 17:00	
	Analyzed:	10.23.2020 19:23		10.23.2020 19:43		10.23.2020 12:19		10.23.2020 13:20		10.23.2020 13:40		10.23.2020 14:00	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.2	50.2	<49.8	49.8
Diesel Range Organics (DRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.2	50.2	<49.8	49.8
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.2	50.2	<49.8	49.8
Total TPH		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.2	50.2	<49.8	49.8

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 675916

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Thu 10.22.2020 15:25
Report Date: 10.26.2020 16:28
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	675916-019		675916-020		675916-021		675916-022					
	Field Id:	SP 4 @ Surface		SP 4 @ 1'		SP 5 @ Surface		SP 5 @ 1'					
	Depth:			1- ft				1- ft					
	Matrix:	SOIL		SOIL		SOIL		SOIL					
	Sampled:	10.22.2020 00:00		10.22.2020 00:00		10.22.2020 00:00		10.22.2020 00:00					
BTEX by EPA 8021B	***Extracted:***	10.23.2020 09:36		10.23.2020 09:36		10.23.2020 09:36		10.23.2020 09:36					
	Analyzed:	10.23.2020 20:36		10.23.2020 22:18		10.23.2020 22:40		10.23.2020 23:03					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Benzene		<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202				
Toluene		<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202				
Ethylbenzene		<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202				
m,p-Xylenes		<0.00398	0.00398	<0.00399	0.00399	<0.00404	0.00404	<0.00404	0.00404				
o-Xylene		<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202				
Total Xylenes		<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202				
Total BTEX		<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202				
Inorganic Anions by EPA 300	***Extracted:***	10.23.2020 13:07		10.23.2020 13:07		10.23.2020 13:07		10.23.2020 13:07					
	Analyzed:	10.23.2020 13:27		10.23.2020 13:33		10.23.2020 13:39		10.23.2020 13:45					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		420	49.5	119	9.92	5370	49.9	153	9.90				
TPH by SW8015 Mod	***Extracted:***	10.22.2020 17:00		10.22.2020 17:00		10.22.2020 17:00		10.22.2020 17:00					
	Analyzed:	10.23.2020 14:20		10.23.2020 14:41		10.23.2020 15:01		10.23.2020 15:21					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<50.1	50.1	<50.3	50.3	<50.2	50.2				
Diesel Range Organics (DRO)		<49.9	49.9	<50.1	50.1	<50.3	50.3	<50.2	50.2				
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<50.1	50.1	<50.3	50.3	<50.2	50.2				
Total TPH		<49.9	49.9	<50.1	50.1	<50.3	50.3	<50.2	50.2				

BRL - Below Reporting Limit

Jessica Kramer

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Analytical Report 675916

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

Landes Pond Release

13261

10.26.2020

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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10.26.2020

Project Manager: **PM**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **675916**
Landes Pond Release
Project Address: Rural Eddy County

PM :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 675916. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 675916 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

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Sample Cross Reference 675916

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
NH 1 @ Surface	S	10.22.2020 00:00		675916-001
NH 1 @ 1'	S	10.22.2020 00:00	1 ft	675916-002
NH 2 @ Surface	S	10.22.2020 00:00		675916-003
NH 2 @ 1'	S	10.22.2020 00:00	1 ft	675916-004
EH 1 @ Surface	S	10.22.2020 00:00		675916-005
EH 1 @ 1'	S	10.22.2020 00:00	1 ft	675916-006
SH 1 @ Surface	S	10.22.2020 00:00		675916-007
SH 1 @ 1'	S	10.22.2020 00:00	1 ft	675916-008
SH 2 @ Surface	S	10.22.2020 00:00		675916-009
SH 2 @ 1'	S	10.22.2020 00:00	1 ft	675916-010
WH 1 @ Surface	S	10.22.2020 00:00		675916-011
WH 1 @ 1'	S	10.22.2020 00:00	1 ft	675916-012
SP 1 @ Surface	S	10.22.2020 00:00		675916-013
SP 1 @ 1'	S	10.22.2020 00:00	1 ft	675916-014
SP 2 @ Surface	S	10.22.2020 00:00		675916-015
SP 2 @ 1'	S	10.22.2020 00:00	1 ft	675916-016
SP 3 @ Surface	S	10.22.2020 00:00		675916-017
SP 3 @ 1'	S	10.22.2020 00:00	1 ft	675916-018
SP 4 @ Surface	S	10.22.2020 00:00		675916-019
SP 4 @ 1'	S	10.22.2020 00:00	1 ft	675916-020
SP 5 @ Surface	S	10.22.2020 00:00		675916-021
SP 5 @ 1'	S	10.22.2020 00:00	1 ft	675916-022

CASE NARRATIVE

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Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Landes Pond Release

Project ID: *13261*
Work Order Number(s): *675916*

Report Date: *10.26.2020*
Date Received: *10.22.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

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Certificate of Analytical Results 675916

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NH 1 @ Surface**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-001	Date Collected:	10.22.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 08:00	% Moisture:	
Seq Number:	3140529			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**202**	49.6	mg/kg	10.23.2020 10:22		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	MAB				
Analyst:	CAC	Date Prep:	10.22.2020 17:00	% Moisture:	
Seq Number:	3140536			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	10.23.2020 15:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	10.23.2020 15:01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	10.23.2020 15:01	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	10.23.2020 15:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	10.23.2020 15:01	
o-Terphenyl	84-15-1	103	%	70-135	10.23.2020 15:01	

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Certificate of Analytical Results 675916

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NH 1 @ Surface**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-001	Date Collected:	10.22.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.22.2020 16:16	% Moisture:	
Seq Number:	3140546			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	10.23.2020 22:33	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	10.23.2020 22:33	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	10.23.2020 22:33	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	10.23.2020 22:33	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	10.23.2020 22:33	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	10.23.2020 22:33	U	1
Total BTEX		<0.00199	0.00199	mg/kg	10.23.2020 22:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	10.23.2020 22:33	
4-Bromofluorobenzene	460-00-4	115	%	70-130	10.23.2020 22:33	

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Certificate of Analytical Results 675916

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NH 1 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-002	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: MAB

Analyst: MAB — Date Prep: 10.23.2020 08:00 — % Moisture: Basis: Wet Weight

Seq Number: 3140529

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**223**	49.9	mg/kg	10.23.2020 10:27		5

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: MAB

Analyst: CAC — Date Prep: 10.22.2020 17:00 — % Moisture: Basis: Wet Weight

Seq Number: 3140536

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	10.23.2020 15:21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	10.23.2020 15:21	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	10.23.2020 15:21	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	10.23.2020 15:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	10.23.2020 15:21	
o-Terphenyl	84-15-1	106	%	70-135	10.23.2020 15:21	

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Certificate of Analytical Results 675916

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NH 1 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-002	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.22.2020 16:16	% Moisture:	
Seq Number:	3140546			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	10.23.2020 22:55	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	10.23.2020 22:55	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	10.23.2020 22:55	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	10.23.2020 22:55	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	10.23.2020 22:55	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	10.23.2020 22:55	U	1
Total BTEX		<0.00202	0.00202	mg/kg	10.23.2020 22:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	10.23.2020 22:55	
4-Bromofluorobenzene	460-00-4	120	%	70-130	10.23.2020 22:55	

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Certificate of Analytical Results 675916

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id: **NH 2 @ Surface** Matrix: Soil Date Received:10.22.2020 15:25

Lab Sample Id: 675916-003 Date Collected: 10.22.2020 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 10.23.2020 08:00 % Moisture:

Seq Number: 3140529 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**188**	50.1	mg/kg	10.23.2020 10:45		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: MAB

Analyst: CAC Date Prep: 10.22.2020 17:00 % Moisture:

Seq Number: 3140536 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	10.23.2020 15:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	10.23.2020 15:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	10.23.2020 15:41	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	10.23.2020 15:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-135	10.23.2020 15:41	
o-Terphenyl	84-15-1	110	%	70-135	10.23.2020 15:41	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NH 2 @ Surface**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-003	Date Collected:	10.22.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.22.2020 16:16	% Moisture:	
Seq Number:	3140546			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	10.23.2020 23:18	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	10.23.2020 23:18	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.23.2020 23:18	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	10.23.2020 23:18	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	10.23.2020 23:18	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	10.23.2020 23:18	U	1
Total BTEX		<0.00200	0.00200	mg/kg	10.23.2020 23:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	115	%	70-130	10.23.2020 23:18	
1,4-Difluorobenzene	540-36-3	107	%	70-130	10.23.2020 23:18	

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Landes Pond Release

Sample Id:	**NH 2 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-004	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 10.23.2020 08:00 % Moisture:

Seq Number: 3140529 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**155**	50.1	mg/kg	10.23.2020 10:51		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: MAB

Analyst: CAC Date Prep: 10.22.2020 17:00 % Moisture:

Seq Number: 3140536 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	10.23.2020 16:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	10.23.2020 16:01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	10.23.2020 16:01	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	10.23.2020 16:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	10.23.2020 16:01	
o-Terphenyl	84-15-1	103	%	70-135	10.23.2020 16:01	

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Landes Pond Release

Sample Id:	**NH 2 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-004	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.22.2020 16:16	% Moisture:	
Seq Number:	3140546			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	10.23.2020 23:40	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	10.23.2020 23:40	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.23.2020 23:40	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	10.23.2020 23:40	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	10.23.2020 23:40	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	10.23.2020 23:40	U	1
Total BTEX		<0.00200	0.00200	mg/kg	10.23.2020 23:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	120	%	70-130	10.23.2020 23:40	
1,4-Difluorobenzene	540-36-3	111	%	70-130	10.23.2020 23:40	

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Landes Pond Release

Sample Id:	**EH 1 @ Surface**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-005	Date Collected:	10.22.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 08:00	% Moisture:	
Seq Number:	3140529			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.1	10.1	mg/kg	10.23.2020 10:57	U	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	MAB				
Analyst:	CAC	Date Prep:	10.22.2020 17:00	% Moisture:	
Seq Number:	3140536			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	10.23.2020 16:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	10.23.2020 16:42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	10.23.2020 16:42	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	10.23.2020 16:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	10.23.2020 16:42	
o-Terphenyl	84-15-1	106	%	70-135	10.23.2020 16:42	

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Landes Pond Release

Sample Id:	**EH 1 @ Surface**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-005	Date Collected:	10.22.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.22.2020 16:16	% Moisture:	
Seq Number:	3140546			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	10.24.2020 00:03	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	10.24.2020 00:03	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	10.24.2020 00:03	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	10.24.2020 00:03	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	10.24.2020 00:03	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	10.24.2020 00:03	U	1
Total BTEX		<0.00199	0.00199	mg/kg	10.24.2020 00:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	122	%	70-130	10.24.2020 00:03	
1,4-Difluorobenzene	540-36-3	108	%	70-130	10.24.2020 00:03	

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Landes Pond Release

Sample Id:	**EH 1 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-006	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 08:00	% Moisture:	
Seq Number:	3140529			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**45.1**	10.0	mg/kg	10.23.2020 11:03		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	MAB				
Analyst:	CAC	Date Prep:	10.22.2020 17:00	% Moisture:	
Seq Number:	3140536			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	10.23.2020 17:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	10.23.2020 17:01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	10.23.2020 17:01	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	10.23.2020 17:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	10.23.2020 17:01	
o-Terphenyl	84-15-1	107	%	70-135	10.23.2020 17:01	

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Landes Pond Release

Sample Id:	**EH 1 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-006	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.22.2020 16:16	% Moisture:	
Seq Number:	3140546			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	10.24.2020 00:25	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	10.24.2020 00:25	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	10.24.2020 00:25	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	10.24.2020 00:25	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	10.24.2020 00:25	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	10.24.2020 00:25	U	1
Total BTEX		<0.00199	0.00199	mg/kg	10.24.2020 00:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	70-130	10.24.2020 00:25	
1,4-Difluorobenzene	540-36-3	107	%	70-130	10.24.2020 00:25	

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Landes Pond Release

Sample Id: **SH 1 @ Surface** Matrix: Soil Date Received:10.22.2020 15:25

Lab Sample Id: 675916-007 Date Collected: 10.22.2020 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 10.23.2020 08:00 % Moisture:

Seq Number: 3140529 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**27.1**	9.96	mg/kg	10.23.2020 11:09		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: MAB

Analyst: CAC Date Prep: 10.22.2020 17:00 % Moisture:

Seq Number: 3140536 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.23.2020 17:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	10.23.2020 17:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.23.2020 17:22	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.23.2020 17:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	10.23.2020 17:22	
o-Terphenyl	84-15-1	101	%	70-135	10.23.2020 17:22	

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Landes Pond Release

Sample Id:	**SH 1 @ Surface**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-007	Date Collected:	10.22.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.22.2020 16:16	% Moisture:	
Seq Number:	3140546			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	10.24.2020 00:47	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	10.24.2020 00:47	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	10.24.2020 00:47	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	10.24.2020 00:47	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	10.24.2020 00:47	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	10.24.2020 00:47	U	1
Total BTEX		<0.00201	0.00201	mg/kg	10.24.2020 00:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	117	%	70-130	10.24.2020 00:47	
1,4-Difluorobenzene	540-36-3	106	%	70-130	10.24.2020 00:47	

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Landes Pond Release

Sample Id:	**SH 1 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-008	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 08:00	% Moisture:	
Seq Number:	3140529			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.98	9.98	mg/kg	10.23.2020 11:15	U	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	MAB				
Analyst:	CAC	Date Prep:	10.22.2020 17:00	% Moisture:	
Seq Number:	3140536			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	10.23.2020 17:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	10.23.2020 17:42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	10.23.2020 17:42	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	10.23.2020 17:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-135	10.23.2020 17:42	
o-Terphenyl	84-15-1	108	%	70-135	10.23.2020 17:42	

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Landes Pond Release

Sample Id:	**SH 1 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-008	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.22.2020 16:16	% Moisture:	
Seq Number:	3140546			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	10.24.2020 01:10	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	10.24.2020 01:10	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	10.24.2020 01:10	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	10.24.2020 01:10	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	10.24.2020 01:10	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	10.24.2020 01:10	U	1
Total BTEX		<0.00202	0.00202	mg/kg	10.24.2020 01:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	10.24.2020 01:10	
1,4-Difluorobenzene	540-36-3	106	%	70-130	10.24.2020 01:10	

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Landes Pond Release

Sample Id:	**SH 2 @ Surface**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-009	Date Collected:	10.22.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 08:00	% Moisture:	
Seq Number:	3140529			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**168**	50.1	mg/kg	10.23.2020 11:33		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	MAB				
Analyst:	CAC	Date Prep:	10.22.2020 17:00	% Moisture:	
Seq Number:	3140536			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.23.2020 18:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	10.23.2020 18:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.23.2020 18:02	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.23.2020 18:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-135	10.23.2020 18:02	
o-Terphenyl	84-15-1	106	%	70-135	10.23.2020 18:02	

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Landes Pond Release

Sample Id:	**SH 2 @ Surface**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-009	Date Collected:	10.22.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.22.2020 16:16	% Moisture:	
Seq Number:	3140546			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	10.24.2020 01:32	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	10.24.2020 01:32	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.24.2020 01:32	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	10.24.2020 01:32	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	10.24.2020 01:32	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	10.24.2020 01:32	U	1
Total BTEX		<0.00200	0.00200	mg/kg	10.24.2020 01:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	10.24.2020 01:32	
4-Bromofluorobenzene	460-00-4	115	%	70-130	10.24.2020 01:32	

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Landes Pond Release

Sample Id:	**SH 2 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-010	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 08:00	% Moisture:	
Seq Number:	3140529			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**180**	50.4	mg/kg	10.23.2020 11:39		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	MAB				
Analyst:	CAC	Date Prep:	10.22.2020 17:00	% Moisture:	
Seq Number:	3140536			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	10.23.2020 18:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	10.23.2020 18:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	10.23.2020 18:22	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	10.23.2020 18:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	114	%	70-135	10.23.2020 18:22	
o-Terphenyl	84-15-1	107	%	70-135	10.23.2020 18:22	

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Landes Pond Release

Sample Id:	**SH 2 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-010	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 09:36	% Moisture:	
Seq Number:	3140543			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	10.23.2020 13:21	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	10.23.2020 13:21	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	10.23.2020 13:21	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	10.23.2020 13:21	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	10.23.2020 13:21	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	10.23.2020 13:21	U	1
Total BTEX		<0.00201	0.00201	mg/kg	10.23.2020 13:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	10.23.2020 13:21	
4-Bromofluorobenzene	460-00-4	87	%	70-130	10.23.2020 13:21	

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Landes Pond Release

Sample Id: **WH 1 @ Surface** Matrix: Soil Date Received:10.22.2020 15:25

Lab Sample Id: 675916-011 Date Collected: 10.22.2020 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 10.23.2020 08:00 % Moisture:

Seq Number: 3140529 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**51.7**	10.1	mg/kg	10.23.2020 11:45		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: MAB

Analyst: CAC Date Prep: 10.22.2020 17:00 % Moisture:

Seq Number: 3140536 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.23.2020 18:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	10.23.2020 18:42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.23.2020 18:42	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.23.2020 18:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	10.23.2020 18:42	
o-Terphenyl	84-15-1	101	%	70-135	10.23.2020 18:42	

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Landes Pond Release

Sample Id:	**WH 1 @ Surface**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-011	Date Collected:	10.22.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 09:36	% Moisture:	
Seq Number:	3140543			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	10.23.2020 13:43	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	10.23.2020 13:43	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	10.23.2020 13:43	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	10.23.2020 13:43	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	10.23.2020 13:43	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	10.23.2020 13:43	U	1
Total BTEX		<0.00201	0.00201	mg/kg	10.23.2020 13:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	87	%	70-130	10.23.2020 13:43	
1,4-Difluorobenzene	540-36-3	100	%	70-130	10.23.2020 13:43	

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Landes Pond Release

Sample Id:	**WH 1 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-012	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 10.23.2020 08:00 % Moisture:

Seq Number: 3140529 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**7370**	198	mg/kg	10.23.2020 12:03		20

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: MAB

Analyst: CAC Date Prep: 10.22.2020 17:00 % Moisture:

Seq Number: 3140536 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	10.23.2020 19:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	10.23.2020 19:03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	10.23.2020 19:03	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	10.23.2020 19:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	10.23.2020 19:03	
o-Terphenyl	84-15-1	102	%	70-135	10.23.2020 19:03	

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Landes Pond Release

Sample Id:	**WH 1 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-012	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 09:36	% Moisture:	
Seq Number:	3140543			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	10.23.2020 14:28	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	10.23.2020 14:28	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	10.23.2020 14:28	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	10.23.2020 14:28	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	10.23.2020 14:28	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	10.23.2020 14:28	U	1
Total BTEX		<0.00202	0.00202	mg/kg	10.23.2020 14:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	70-130	10.23.2020 14:28	
1,4-Difluorobenzene	540-36-3	102	%	70-130	10.23.2020 14:28	

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Landes Pond Release

Sample Id: **SP 1 @ Surface** Matrix: Soil Date Received:10.22.2020 15:25

Lab Sample Id: 675916-013 Date Collected: 10.22.2020 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 10.23.2020 08:00 % Moisture:

Seq Number: 3140529 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**356**	9.96	mg/kg	10.23.2020 12:09		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: MAB

Analyst: CAC Date Prep: 10.22.2020 17:00 % Moisture:

Seq Number: 3140536 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.23.2020 19:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	10.23.2020 19:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.23.2020 19:23	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.23.2020 19:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	10.23.2020 19:23	
o-Terphenyl	84-15-1	104	%	70-135	10.23.2020 19:23	

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Landes Pond Release

Sample Id:	**SP 1 @ Surface**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-013	Date Collected:	10.22.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 09:36	% Moisture:	
Seq Number:	3140543			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	10.23.2020 18:21	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	10.23.2020 18:21	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	10.23.2020 18:21	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	10.23.2020 18:21	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	10.23.2020 18:21	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	10.23.2020 18:21	U	1
Total BTEX		<0.00199	0.00199	mg/kg	10.23.2020 18:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	87	%	70-130	10.23.2020 18:21	
1,4-Difluorobenzene	540-36-3	98	%	70-130	10.23.2020 18:21	

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Landes Pond Release

Sample Id:	**SP 1 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-014	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 08:00	% Moisture:	
Seq Number:	3140529			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**52.9**	9.90	mg/kg	10.23.2020 12:15		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	MAB				
Analyst:	CAC	Date Prep:	10.22.2020 17:00	% Moisture:	
Seq Number:	3140536			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.23.2020 19:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	10.23.2020 19:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.23.2020 19:43	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.23.2020 19:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-135	10.23.2020 19:43	
o-Terphenyl	84-15-1	108	%	70-135	10.23.2020 19:43	

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Landes Pond Release

Sample Id:	**SP 1 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-014	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 09:36	% Moisture:	
Seq Number:	3140543			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	10.23.2020 18:44	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	10.23.2020 18:44	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.23.2020 18:44	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	10.23.2020 18:44	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	10.23.2020 18:44	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	10.23.2020 18:44	U	1
Total BTEX		<0.00200	0.00200	mg/kg	10.23.2020 18:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	10.23.2020 18:44	
4-Bromofluorobenzene	460-00-4	91	%	70-130	10.23.2020 18:44	

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Landes Pond Release

Sample Id: **SP 2 @ Surface** Matrix: Soil Date Received:10.22.2020 15:25

Lab Sample Id: 675916-015 Date Collected: 10.22.2020 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 10.23.2020 08:00 % Moisture:

Seq Number: 3140529 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**7690**	200	mg/kg	10.23.2020 12:21		20

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: MAB

Analyst: CAC Date Prep: 10.22.2020 17:00 % Moisture:

Seq Number: 3140538 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	10.23.2020 12:19	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	10.23.2020 12:19	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	10.23.2020 12:19	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	10.23.2020 12:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	130	%	70-135	10.23.2020 12:19	
o-Terphenyl	84-15-1	132	%	70-135	10.23.2020 12:19	

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Landes Pond Release

Sample Id:	**SP 2 @ Surface**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-015	Date Collected:	10.22.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 09:36	% Moisture:	
Seq Number:	3140543			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	10.23.2020 19:06	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	10.23.2020 19:06	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	10.23.2020 19:06	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	10.23.2020 19:06	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	10.23.2020 19:06	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	10.23.2020 19:06	U	1
Total BTEX		<0.00199	0.00199	mg/kg	10.23.2020 19:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	70-130	10.23.2020 19:06	
1,4-Difluorobenzene	540-36-3	101	%	70-130	10.23.2020 19:06	

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Landes Pond Release

Sample Id:	**SP 2 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-016	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 08:00	% Moisture:	
Seq Number:	3140529			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**426**	9.92	mg/kg	10.23.2020 12:27		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	MAB				
Analyst:	CAC	Date Prep:	10.22.2020 17:00	% Moisture:	
Seq Number:	3140538			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.23.2020 13:20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	10.23.2020 13:20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.23.2020 13:20	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.23.2020 13:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	129	%	70-135	10.23.2020 13:20	
o-Terphenyl	84-15-1	133	%	70-135	10.23.2020 13:20	

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Landes Pond Release

Sample Id:	**SP 2 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-016	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 09:36	% Moisture:	
Seq Number:	3140543			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	10.23.2020 19:28	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	10.23.2020 19:28	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.23.2020 19:28	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	10.23.2020 19:28	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	10.23.2020 19:28	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	10.23.2020 19:28	U	1
Total BTEX		<0.00200	0.00200	mg/kg	10.23.2020 19:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	88	%	70-130	10.23.2020 19:28	
1,4-Difluorobenzene	540-36-3	101	%	70-130	10.23.2020 19:28	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id: **SP 3 @ Surface** Matrix: Soil Date Received:10.22.2020 15:25

Lab Sample Id: 675916-017 Date Collected: 10.22.2020 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 10.23.2020 08:00 % Moisture:

Seq Number: 3140529 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**11200**	200	mg/kg	10.23.2020 12:33		20

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: MAB

Analyst: CAC Date Prep: 10.22.2020 17:00 % Moisture:

Seq Number: 3140538 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	10.23.2020 13:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	10.23.2020 13:40	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	10.23.2020 13:40	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	10.23.2020 13:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	130	%	70-135	10.23.2020 13:40	
o-Terphenyl	84-15-1	111	%	70-135	10.23.2020 13:40	

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Certificate of Analytical Results 675916

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SP 3 @ Surface**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-017	Date Collected:	10.22.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 09:36	% Moisture:	
Seq Number:	3140543			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	10.23.2020 19:51	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	10.23.2020 19:51	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.23.2020 19:51	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	10.23.2020 19:51	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	10.23.2020 19:51	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	10.23.2020 19:51	U	1
Total BTEX		<0.00200	0.00200	mg/kg	10.23.2020 19:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	87	%	70-130	10.23.2020 19:51	
1,4-Difluorobenzene	540-36-3	102	%	70-130	10.23.2020 19:51	

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Certificate of Analytical Results 675916

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SP 3 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-018	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 13:07	% Moisture:	
Seq Number:	3140556			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**339**	9.90	mg/kg	10.23.2020 13:09		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	MAB				
Analyst:	CAC	Date Prep:	10.22.2020 17:00	% Moisture:	
Seq Number:	3140538			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	10.23.2020 14:00	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	10.23.2020 14:00	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	10.23.2020 14:00	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	10.23.2020 14:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	134	%	70-135	10.23.2020 14:00	
o-Terphenyl	84-15-1	124	%	70-135	10.23.2020 14:00	

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Certificate of Analytical Results 675916

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SP 3 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-018	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 09:36	% Moisture:	
Seq Number:	3140543			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	10.23.2020 20:13	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	10.23.2020 20:13	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	10.23.2020 20:13	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	10.23.2020 20:13	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	10.23.2020 20:13	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	10.23.2020 20:13	U	1
Total BTEX		<0.00199	0.00199	mg/kg	10.23.2020 20:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	87	%	70-130	10.23.2020 20:13	
1,4-Difluorobenzene	540-36-3	102	%	70-130	10.23.2020 20:13	

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Certificate of Analytical Results 675916

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id: **SP 4 @ Surface** Matrix: Soil Date Received:10.22.2020 15:25

Lab Sample Id: 675916-019 Date Collected: 10.22.2020 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 10.23.2020 13:07 % Moisture:

Seq Number: 3140556 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**420**	49.5	mg/kg	10.23.2020 13:27		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: MAB

Analyst: CAC Date Prep: 10.22.2020 17:00 % Moisture:

Seq Number: 3140538 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	10.23.2020 14:20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	10.23.2020 14:20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	10.23.2020 14:20	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	10.23.2020 14:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-135	10.23.2020 14:20	
o-Terphenyl	84-15-1	103	%	70-135	10.23.2020 14:20	

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Certificate of Analytical Results 675916

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id: **SP 4 @ Surface**
Lab Sample Id: 675916-019
Matrix: Soil
Date Collected: 10.22.2020 00:00
Date Received: 10.22.2020 15:25

Analytical Method: BTEX by EPA 8021B
Tech: MAB
Analyst: MAB
Seq Number: 3140543
Date Prep: 10.23.2020 09:36
Prep Method: SW5035A
% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	10.23.2020 20:36	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	10.23.2020 20:36	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	10.23.2020 20:36	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	10.23.2020 20:36	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	10.23.2020 20:36	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	10.23.2020 20:36	U	1
Total BTEX		<0.00199	0.00199	mg/kg	10.23.2020 20:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	10.23.2020 20:36	
4-Bromofluorobenzene	460-00-4	92	%	70-130	10.23.2020 20:36	

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Certificate of Analytical Results 675916

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SP 4 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-020	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 13:07	% Moisture:	
Seq Number:	3140556			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**119**	9.92	mg/kg	10.23.2020 13:33		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	MAB				
Analyst:	CAC	Date Prep:	10.22.2020 17:00	% Moisture:	
Seq Number:	3140538			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	10.23.2020 14:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	10.23.2020 14:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	10.23.2020 14:41	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	10.23.2020 14:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	10.23.2020 14:41	
o-Terphenyl	84-15-1	111	%	70-135	10.23.2020 14:41	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SP 4 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-020	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 09:36	% Moisture:	
Seq Number:	3140543			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	10.23.2020 22:18	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	10.23.2020 22:18	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.23.2020 22:18	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	10.23.2020 22:18	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	10.23.2020 22:18	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	10.23.2020 22:18	U	1
Total BTEX		<0.00200	0.00200	mg/kg	10.23.2020 22:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	70-130	10.23.2020 22:18	
1,4-Difluorobenzene	540-36-3	99	%	70-130	10.23.2020 22:18	

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Certificate of Analytical Results 675916

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SP 5 @ Surface**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-021	Date Collected:	10.22.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 13:07	% Moisture:	
Seq Number:	3140556			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5370**	49.9	mg/kg	10.23.2020 13:39		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	MAB				
Analyst:	CAC	Date Prep:	10.22.2020 17:00	% Moisture:	
Seq Number:	3140538			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	10.23.2020 15:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	10.23.2020 15:01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	10.23.2020 15:01	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	10.23.2020 15:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	10.23.2020 15:01	
o-Terphenyl	84-15-1	98	%	70-135	10.23.2020 15:01	

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Certificate of Analytical Results 675916

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SP 5 @ Surface**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-021	Date Collected:	10.22.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 09:36	% Moisture:	
Seq Number:	3140543			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	10.23.2020 22:40	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	10.23.2020 22:40	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	10.23.2020 22:40	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	10.23.2020 22:40	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	10.23.2020 22:40	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	10.23.2020 22:40	U	1
Total BTEX		<0.00202	0.00202	mg/kg	10.23.2020 22:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	10.23.2020 22:40	
4-Bromofluorobenzene	460-00-4	94	%	70-130	10.23.2020 22:40	

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Certificate of Analytical Results 675916

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SP 5 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-022	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 13:07	% Moisture:	
Seq Number:	3140556			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**153**	9.90	mg/kg	10.23.2020 13:45		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	MAB				
Analyst:	CAC	Date Prep:	10.22.2020 17:00	% Moisture:	
Seq Number:	3140538			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	10.23.2020 15:21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	10.23.2020 15:21	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	10.23.2020 15:21	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	10.23.2020 15:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-135	10.23.2020 15:21	
o-Terphenyl	84-15-1	97	%	70-135	10.23.2020 15:21	

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Certificate of Analytical Results 675916

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SP 5 @ 1'**	Matrix:	Soil	Date Received:	10.22.2020 15:25
Lab Sample Id:	675916-022	Date Collected:	10.22.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	10.23.2020 09:36	% Moisture:	
Seq Number:	3140543			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	10.23.2020 23:03	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	10.23.2020 23:03	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	10.23.2020 23:03	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	10.23.2020 23:03	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	10.23.2020 23:03	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	10.23.2020 23:03	U	1
Total BTEX		<0.00202	0.00202	mg/kg	10.23.2020 23:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	87	%	70-130	10.23.2020 23:03	
1,4-Difluorobenzene	540-36-3	101	%	70-130	10.23.2020 23:03	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 675916

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3140529 — Matrix: Solid — Date Prep: 10.23.2020
MB Sample Id: 7713818-1-BLK — LCS Sample Id: 7713818-1-BKS — LCSD Sample Id: 7713818-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	251	100	245	98	90-110	2	20	mg/kg	10.23.2020 09:40	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3140556 — Matrix: Solid — Date Prep: 10.23.2020
MB Sample Id: 7713819-1-BLK — LCS Sample Id: 7713819-1-BKS — LCSD Sample Id: 7713819-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	253	101	246	98	90-110	3	20	mg/kg	10.23.2020 12:57	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3140529 — Matrix: Soil — Date Prep: 10.23.2020
Parent Sample Id: 675914-001 — MS Sample Id: 675914-001 S — MSD Sample Id: 675914-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	22.1	199	216	97	214	96	90-110	1	20	mg/kg	10.23.2020 09:58	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3140529 — Matrix: Soil — Date Prep: 10.23.2020
Parent Sample Id: 675916-008 — MS Sample Id: 675916-008 S — MSD Sample Id: 675916-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	200	210	105	209	105	90-110	0	20	mg/kg	10.23.2020 11:21	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3140556 — Matrix: Soil — Date Prep: 10.23.2020
Parent Sample Id: 675916-018 — MS Sample Id: 675916-018 S — MSD Sample Id: 675916-018 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	339	199	528	95	527	94	90-110	0	20	mg/kg	10.23.2020 13:15	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 675916

eurofins | Environment Testing Xenco

Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3140536 — Matrix: Solid — Date Prep: 10.22.2020
MB Sample Id: 7713812-1-BLK — LCS Sample Id: 7713812-1-BKS — LCSD Sample Id: 7713812-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1160	116	1070	107	70-135	8	35	mg/kg	10.23.2020 11:18	
Diesel Range Organics (DRO)	<50.0	1000	1110	111	1100	110	70-135	1	35	mg/kg	10.23.2020 11:18	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	133		133		128		70-135	%	10.23.2020 11:18
o-Terphenyl	116		123		105		70-135	%	10.23.2020 11:18

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3140538 — Matrix: Solid — Date Prep: 10.22.2020
MB Sample Id: 7713814-1-BLK — LCS Sample Id: 7713814-1-BKS — LCSD Sample Id: 7713814-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	920	92	883	88	70-135	4	35	mg/kg	10.23.2020 11:18	
Diesel Range Organics (DRO)	<50.0	1000	1020	102	1010	101	70-135	1	35	mg/kg	10.23.2020 11:18	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	96		126		124		70-135	%	10.23.2020 11:18
o-Terphenyl	99		99		100		70-135	%	10.23.2020 11:18

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3140536 — Matrix: Solid — Date Prep: 10.22.2020
MB Sample Id: 7713812-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	10.23.2020 10:58	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3140538 — Matrix: Solid — Date Prep: 10.22.2020
MB Sample Id: 7713814-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	10.23.2020 10:58	

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 675916

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3140536 — Matrix: Soil — Date Prep: 10.22.2020
Parent Sample Id: 675810-001 — MS Sample Id: 675810-001 S — MSD Sample Id: 675810-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.1	1000	800	80	849	85	70-135	6	35	mg/kg	10.23.2020 12:39	
Diesel Range Organics (DRO)	<50.1	1000	875	88	895	90	70-135	2	35	mg/kg	10.23.2020 12:39	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	127		129		70-135	%	10.23.2020 12:39
o-Terphenyl	99		101		70-135	%	10.23.2020 12:39

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3140538 — Matrix: Soil — Date Prep: 10.22.2020
Parent Sample Id: 675916-015 — MS Sample Id: 675916-015 S — MSD Sample Id: 675916-015 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.1	1000	1130	113	1070	107	70-135	5	35	mg/kg	10.23.2020 12:39	
Diesel Range Organics (DRO)	<50.1	1000	1260	126	1100	110	70-135	14	35	mg/kg	10.23.2020 12:39	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	124		133		70-135	%	10.23.2020 12:39
o-Terphenyl	120		134		70-135	%	10.23.2020 12:39

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3140546 — Matrix: Solid — Date Prep: 10.22.2020
MB Sample Id: 7713744-1-BLK — LCS Sample Id: 7713744-1-BKS — LCSD Sample Id: 7713744-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0926	93	0.0939	94	70-130	1	35	mg/kg	10.23.2020 14:14	
Toluene	<0.00200	0.100	0.104	104	0.101	101	70-130	3	35	mg/kg	10.23.2020 14:14	
Ethylbenzene	<0.00200	0.100	0.0875	88	0.0900	90	71-129	3	35	mg/kg	10.23.2020 14:14	
m,p-Xylenes	<0.00400	0.200	0.178	89	0.178	89	70-135	0	35	mg/kg	10.23.2020 14:14	
o-Xylene	<0.00200	0.100	0.0889	89	0.0905	91	71-133	2	35	mg/kg	10.23.2020 14:14	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	107		100		98		70-130	%	10.23.2020 14:14
4-Bromofluorobenzene	116		108		104		70-130	%	10.23.2020 14:14

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 675916

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3140543 — Matrix: Solid — Date Prep: 10.23.2020
MB Sample Id: 7713816-1-BLK — LCS Sample Id: 7713816-1-BKS — LCSD Sample Id: 7713816-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0992	99	0.104	104	70-130	5	35	mg/kg	10.23.2020 10:33	
Toluene	<0.00200	0.100	0.113	113	0.123	123	70-130	8	35	mg/kg	10.23.2020 10:33	
Ethylbenzene	<0.00200	0.100	0.0886	89	0.0929	93	71-129	5	35	mg/kg	10.23.2020 10:33	
m,p-Xylenes	<0.00400	0.200	0.178	89	0.188	94	70-135	5	35	mg/kg	10.23.2020 10:33	
o-Xylene	<0.00200	0.100	0.0881	88	0.0924	92	71-133	5	35	mg/kg	10.23.2020 10:33	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	95		97		98		70-130	%	10.23.2020 10:33
4-Bromofluorobenzene	76		84		88		70-130	%	10.23.2020 10:33

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3140546 — Matrix: Soil — Date Prep: 10.22.2020
Parent Sample Id: 675674-016 — MS Sample Id: 675674-016 S — MSD Sample Id: 675674-016 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.107	107	0.0943	94	70-130	13	35	mg/kg	10.23.2020 14:59	
Toluene	0.0142	0.100	0.117	103	0.103	89	70-130	13	35	mg/kg	10.23.2020 14:59	
Ethylbenzene	<0.00200	0.100	0.101	101	0.0900	90	71-129	12	35	mg/kg	10.23.2020 14:59	
m,p-Xylenes	<0.00401	0.200	0.204	102	0.180	90	70-135	13	35	mg/kg	10.23.2020 14:59	
o-Xylene	<0.00200	0.100	0.0999	100	0.0916	92	71-133	9	35	mg/kg	10.23.2020 14:59	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	100		105		70-130	%	10.23.2020 14:59
4-Bromofluorobenzene	109		109		70-130	%	10.23.2020 14:59

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3140543 — Matrix: Soil — Date Prep: 10.23.2020
Parent Sample Id: 675916-010 — MS Sample Id: 675916-010 S — MSD Sample Id: 675916-010 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.101	0.0809	80	0.105	105	70-130	26	35	mg/kg	10.23.2020 11:18	
Toluene	<0.00201	0.101	0.0965	96	0.116	116	70-130	18	35	mg/kg	10.23.2020 11:18	
Ethylbenzene	<0.00201	0.101	0.0713	71	0.0934	93	71-129	27	35	mg/kg	10.23.2020 11:18	
m,p-Xylenes	<0.00402	0.201	0.143	71	0.188	94	70-135	27	35	mg/kg	10.23.2020 11:18	
o-Xylene	<0.00201	0.101	0.0771	76	0.0935	94	71-133	19	35	mg/kg	10.23.2020 11:18	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		99		70-130	%	10.23.2020 11:18
4-Bromofluorobenzene	86		86		70-130	%	10.23.2020 11:18

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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Chain of Custody

XENCO

Work Order No: 675916

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

www.xenco.com Page 1 of 3

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Solaris Water Midstream
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level I ☐ Level II ☐ PST/US ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☑
Project Location	Rural Eddy county	Rush:	☐
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Temperature (°C):	5.2 / 5.0	Thermometer ID	TNM007
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes (No) N/A	Total Containers:	22

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day received by the lab, if received by 4:30pm

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005	Sample Comments
NH1 @ surface	Soil	10.22.20		-	1	X	X	X		
NH1 @ 1'	Soil	10.22.20		1'	1	X	X	X		
NH2 @ surface	Soil	10.22.20		-	1	X	X	X		
NH2 @ 1'	Soil	10.22.20		1'	1	X	X	X		
EH1 @ surface	Soil	10.22.20		-	1	X	X	X		
EH1 @ 1'	Soil	10.22.20		1'	1	X	X	X		
SH1 @ surface	Soil	10.22.20		-	1	X	X	X		
SH1 @ 1'	Soil	10.22.20		1'	1	X	X	X		
SH2 @ surface	Soil	10.22.20		-	1	X	X	X		
SH2 @ 1'	Soil	10.22.20		1'	1	X	X	X		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		10/22/20 15:25	2		
3			4		
5			6		

Revised Date 101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
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Chain of Custody

XENCO

Work Order No: 675916

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Solaris Water Midstream
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378 Email:	Email Results to PM@etechenv.com + Client	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/US ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☒
Project Location	Rural Eddy County	Rush:	☐
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	22 PPA	Thermometer ID		
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

ANALYSIS REQUEST

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day received by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005	Sample Comments
WH1 @surface	Soil	10.22.20		-	1	X	X	X		
WH1 @1'	Soil	10.22.20		1'	1	X	X	X		
SP1 @ surface	Soil	10.22.20		-	1	X	X	X		
SP1 @1'	Soil	10.22.20		1'	1	X	X	X		
SP2 @ surface	Soil	10.22.20		-	1	X	X	X		
SP2 @1'	Soil	10.22.20		1'	1	X	X	X		
SP3 @ surface	Soil	10.22.20		-	1	X	X	X		
SP3 @1'	Soil	10.22.20		1'	1	X	X	X		
SP4 @ surface	Soil	10.22.20		-	1	X	X	X		
SP4 @1'	Soil	10.22.20		1'	1	X	X	X		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010:** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471 : Hg**

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		10/22/20 15:22	2		
3			4		
5			6		

Revised Date 08.14.19 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
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Chain of Custody

XENCO

Work Order No: 675916

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Solaris Water Midstream
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/US ☐ TRR ☐ Level III ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13761	Routine:	☑
Project Location	Rural Eddy county	Rush:	☐
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temperature (°C):		Temp Blank:	Yes No	Wet Ice: Yes No
Received Intact:	Yes No	Thermometer ID		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005
SPS @ surface	Soil	10.22.20		-	1	X	X	X	
SPS @ 1'	Soil	10.22.20		1'	1	X	X	X	

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day received by the lab, if received by 4:30pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		10/22/20 15:25	2		
3			4		
5			6		

Revised Date 101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
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Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 10.22.2020 03.25.00 PM

Work Order #: 675916

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	5	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	Samples received in bulk containers.
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**No**	
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 10.23.2020

Cloe Clifton

Checklist reviewed by: Jessica Kramer Date: 10.23.2020

Jessica Kramer

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Certificate of Analysis Summary 684604

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County, New Mexico

Date Received in Lab: Wed 01.13.2021 15:48
Report Date: 01.15.2021 14:36
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	684604-001		684604-002		684604-003		684604-004		684604-005		684604-006	
	Field Id:	FL 1 @ 1'		FL 2 @ 1'		FL 3 @ 1'		SW 1		SW 2		SW 3	
	Depth:	1- ft		1- ft		1- ft							
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.13.2021 00:00		01.13.2021 00:00		01.13.2021 00:00		01.13.2021 00:00		01.13.2021 00:00		01.13.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.14.2021 13:02		01.14.2021 13:02		01.14.2021 13:02		01.14.2021 13:02		01.14.2021 13:02		01.14.2021 13:02	
	Analyzed:	01.14.2021 19:12		01.14.2021 19:35		01.14.2021 19:57		01.14.2021 20:20		01.14.2021 20:42		01.14.2021 21:04	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00185	0.00185	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Toluene		<0.00185	0.00185	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Ethylbenzene		<0.00185	0.00185	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
m,p-Xylenes		<0.00370	0.00370	<0.00399	0.00399	<0.00398	0.00398	<0.00399	0.00399	<0.00397	0.00397	<0.00399	0.00399
o-Xylene		<0.00185	0.00185	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Total Xylenes		<0.00185	0.00185	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Total BTEX		<0.00185	0.00185	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Inorganic Anions by EPA 300	***Extracted:***	01.13.2021 16:34		01.13.2021 16:34		01.13.2021 16:34		01.13.2021 16:34		01.13.2021 16:34		01.13.2021 16:34	
	Analyzed:	01.14.2021 01:30		01.14.2021 01:36		01.14.2021 01:42		01.14.2021 01:48		01.14.2021 01:54		01.14.2021 02:00	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		256	10.0	315	10.0	450	10.0	4010	50.4	6220	49.5	3620	49.9
TPH by SW8015 Mod	***Extracted:***	01.13.2021 17:46		01.13.2021 17:46		01.13.2021 17:46		01.13.2021 17:48		01.13.2021 17:48		01.13.2021 17:48	
	Analyzed:	01.14.2021 07:56		01.14.2021 08:17		01.14.2021 08:37		01.14.2021 06:16		01.14.2021 07:16		01.14.2021 07:36	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.3	50.3	<50.2	50.2	<50.1	50.1	<50.2	50.2	<50.1	50.1	<50.1	50.1
Diesel Range Organics (DRO)		<50.3	50.3	<50.2	50.2	<50.1	50.1	<50.2	50.2	<50.1	50.1	<50.1	50.1
Motor Oil Range Hydrocarbons (MRO)		<50.3	50.3	<50.2	50.2	<50.1	50.1	<50.2	50.2	<50.1	50.1	<50.1	50.1
Total TPH		<50.3	50.3	<50.2	50.2	<50.1	50.1	<50.2	50.2	<50.1	50.1	<50.1	50.1

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 684604

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County, New Mexico

Date Received in Lab: Wed 01.13.2021 15:48
Report Date: 01.15.2021 14:36
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	684604-007		684604-008		684604-009		684604-010		684604-011		684604-012	
	Field Id:	FL 7 @ 1'		FL 8 @ 1'		FL 4 @ 2'		FL 5 @ 2'		FL 6 @ 2'		WW 1	
	Depth:	1- ft		1- ft		2- ft		2- ft		2- ft			
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.13.2021 00:00		01.13.2021 00:00		01.13.2021 00:00		01.13.2021 00:00		01.13.2021 00:00		01.13.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.14.2021 13:02		01.14.2021 13:02		01.14.2021 13:02		01.14.2021 13:02		01.14.2021 13:02		01.14.2021 13:02	
	Analyzed:	01.14.2021 21:27		01.14.2021 22:45		01.14.2021 23:07		01.14.2021 23:29		01.14.2021 23:52		01.15.2021 00:14	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198
Toluene		<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198
Ethylbenzene		<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198
m,p-Xylenes		<0.00399	0.00399	<0.00403	0.00403	<0.00401	0.00401	<0.00402	0.00402	<0.00401	0.00401	<0.00397	0.00397
o-Xylene		<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198
Total Xylenes		<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198
Total BTEX		<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198
Inorganic Anions by EPA 300	***Extracted:***	01.13.2021 16:34		01.13.2021 16:34		01.13.2021 16:34		01.13.2021 16:34		01.13.2021 16:34		01.13.2021 16:34	
	Analyzed:	01.14.2021 02:17		01.14.2021 02:35		01.14.2021 02:41		01.14.2021 02:47		01.14.2021 02:53		01.14.2021 02:59	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		227	9.94	253	9.94	110	10.0	166	10.1	109	10.1	34.5	10.1
TPH by SW8015 Mod	***Extracted:***	01.13.2021 17:48		01.13.2021 17:48		01.13.2021 17:42		01.13.2021 17:42		01.13.2021 17:42		01.13.2021 17:42	
	Analyzed:	01.14.2021 07:56		01.14.2021 08:17		01.14.2021 03:15		01.14.2021 03:36		01.14.2021 03:56		01.14.2021 04:16	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.2	50.2	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8
Diesel Range Organics (DRO)		<50.0	50.0	<50.2	50.2	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.2	50.2	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8
Total TPH		<50.0	50.0	<50.2	50.2	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 684604

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County, New Mexico

Date Received in Lab: Wed 01.13.2021 15:48
Report Date: 01.15.2021 14:36
Project Manager: Jessica Kramer

Analysis Requested							
	Lab Id:	684604-013					
	Field Id:	EW 1					
	Depth:						
	Matrix:	SOIL					
	Sampled:	01.13.2021 00:00					
BTEX by EPA 8021B	***Extracted:***	01.14.2021 13:02					
	Analyzed:	01.15.2021 00:36					
	Units/RL:	mg/kg	RL				
Benzene		<0.00200	0.00200				
Toluene		<0.00200	0.00200				
Ethylbenzene		<0.00200	0.00200				
m,p-Xylenes		<0.00399	0.00399				
o-Xylene		<0.00200	0.00200				
Total Xylenes		<0.00200	0.00200				
Total BTEX		<0.00200	0.00200				
Inorganic Anions by EPA 300	***Extracted:***	01.13.2021 16:34					
	Analyzed:	01.14.2021 03:05					
	Units/RL:	mg/kg	RL				
Chloride		562	10.0				
TPH by SW8015 Mod	***Extracted:***	01.13.2021 17:42					
	Analyzed:	01.14.2021 04:36					
	Units/RL:	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.3	50.3				
Diesel Range Organics (DRO)		<50.3	50.3				
Motor Oil Range Hydrocarbons (MRO)		<50.3	50.3				
Total TPH		<50.3	50.3				

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Analytical Report 684604

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

Landes Pond Release

13261

01.15.2021

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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01.15.2021

Project Manager: **PM**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **684604**
Landes Pond Release
Project Address: Rural Eddy County, New Mexico

PM :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 684604. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 684604 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 684604

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
FL 1 @ 1'	S	01.13.2021 00:00	1 ft	684604-001
FL 2 @ 1'	S	01.13.2021 00:00	1 ft	684604-002
FL 3 @ 1'	S	01.13.2021 00:00	1 ft	684604-003
SW 1	S	01.13.2021 00:00		684604-004
SW 2	S	01.13.2021 00:00		684604-005
SW 3	S	01.13.2021 00:00		684604-006
FL 7 @ 1'	S	01.13.2021 00:00	1 ft	684604-007
FL 8 @ 1'	S	01.13.2021 00:00	1 ft	684604-008
FL 4 @ 2'	S	01.13.2021 00:00	2 ft	684604-009
FL 5 @ 2'	S	01.13.2021 00:00	2 ft	684604-010
FL 6 @ 2'	S	01.13.2021 00:00	2 ft	684604-011
WW 1	S	01.13.2021 00:00		684604-012
EW 1	S	01.13.2021 00:00		684604-013

CASE NARRATIVE

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Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Landes Pond Release

Project ID: *13261*
Work Order Number(s): *684604*

Report Date: *01.15.2021*
Date Received: *01.13.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

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Certificate of Analytical Results 684604

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 1 @ 1'**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-001	Date Collected:	01.13.2021 00:00	Sample Depth:	1 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: MAB
Analyst: MAB
Seq Number: 3147754

Date Prep: 01.13.2021 16:34

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**256**	10.0	mg/kg	01.14.2021 01:30		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: CAC
Analyst: CAC
Seq Number: 3147805

Date Prep: 01.13.2021 17:46

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	01.14.2021 07:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	01.14.2021 07:56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	01.14.2021 07:56	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	01.14.2021 07:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	01.14.2021 07:56	
o-Terphenyl	84-15-1	106	%	70-135	01.14.2021 07:56	

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Certificate of Analytical Results 684604

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 1 @ 1'**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-001	Date Collected:	01.13.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.14.2021 13:02	% Moisture:	
Seq Number:	3147919			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00185	0.00185	mg/kg	01.14.2021 19:12	U	1
Toluene	108-88-3	<0.00185	0.00185	mg/kg	01.14.2021 19:12	U	1
Ethylbenzene	100-41-4	<0.00185	0.00185	mg/kg	01.14.2021 19:12	U	1
m,p-Xylenes	179601-23-1	<0.00370	0.00370	mg/kg	01.14.2021 19:12	U	1
o-Xylene	95-47-6	<0.00185	0.00185	mg/kg	01.14.2021 19:12	U	1
Total Xylenes	1330-20-7	<0.00185	0.00185	mg/kg	01.14.2021 19:12	U	1
Total BTEX		<0.00185	0.00185	mg/kg	01.14.2021 19:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	01.14.2021 19:12	
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.14.2021 19:12	

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Certificate of Analytical Results 684604

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 2 @ 1'**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-002	Date Collected:	01.13.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.13.2021 16:34	% Moisture:	
Seq Number:	3147754			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**315**	10.0	mg/kg	01.14.2021 01:36		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.13.2021 17:46	% Moisture:	
Seq Number:	3147805			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.14.2021 08:17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.14.2021 08:17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.14.2021 08:17	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	01.14.2021 08:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	01.14.2021 08:17	
o-Terphenyl	84-15-1	114	%	70-135	01.14.2021 08:17	

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Certificate of Analytical Results 684604

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 2 @ 1'**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-002	Date Collected:	01.13.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.14.2021 13:02	% Moisture:	
Seq Number:	3147919			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.14.2021 19:35	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.14.2021 19:35	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.14.2021 19:35	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.14.2021 19:35	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.14.2021 19:35	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.14.2021 19:35	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.14.2021 19:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	01.14.2021 19:35	
1,4-Difluorobenzene	540-36-3	102	%	70-130	01.14.2021 19:35	

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Certificate of Analytical Results 684604

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 3 @ 1'**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-003	Date Collected:	01.13.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.13.2021 16:34	% Moisture:	
Seq Number:	3147754			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**450**	10.0	mg/kg	01.14.2021 01:42		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.13.2021 17:46	% Moisture:	
Seq Number:	3147805			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.14.2021 08:37	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.14.2021 08:37	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.14.2021 08:37	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.14.2021 08:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	119	%	70-135	01.14.2021 08:37	
o-Terphenyl	84-15-1	106	%	70-135	01.14.2021 08:37	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 3 @ 1'**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-003	Date Collected:	01.13.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.14.2021 13:02	% Moisture:	
Seq Number:	3147919			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.14.2021 19:57	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.14.2021 19:57	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.14.2021 19:57	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.14.2021 19:57	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.14.2021 19:57	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.14.2021 19:57	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.14.2021 19:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.14.2021 19:57	
4-Bromofluorobenzene	460-00-4	92	%	70-130	01.14.2021 19:57	

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Landes Pond Release

Sample Id:	**SW 1**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-004	Date Collected:	01.13.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.13.2021 16:34	% Moisture:	
Seq Number:	3147754			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4010**	50.4	mg/kg	01.14.2021 01:48		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.13.2021 17:48	% Moisture:	
Seq Number:	3147807			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.14.2021 06:16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.14.2021 06:16	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.14.2021 06:16	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	01.14.2021 06:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	01.14.2021 06:16	
o-Terphenyl	84-15-1	106	%	70-135	01.14.2021 06:16	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SW 1**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-004	Date Collected:	01.13.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.14.2021 13:02	% Moisture:	
Seq Number:	3147919			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.14.2021 20:20	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.14.2021 20:20	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.14.2021 20:20	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.14.2021 20:20	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.14.2021 20:20	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.14.2021 20:20	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.14.2021 20:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	01.14.2021 20:20	
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.14.2021 20:20	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SW 2**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-005	Date Collected:	01.13.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.13.2021 16:34	% Moisture:	
Seq Number:	3147754			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**6220**	49.5	mg/kg	01.14.2021 01:54		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.13.2021 17:48	% Moisture:	
Seq Number:	3147807			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.14.2021 07:16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.14.2021 07:16	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.14.2021 07:16	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.14.2021 07:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-135	01.14.2021 07:16	
o-Terphenyl	84-15-1	102	%	70-135	01.14.2021 07:16	

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Landes Pond Release

Sample Id:	**SW 2**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-005	Date Collected:	01.13.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.14.2021 13:02	% Moisture:	
Seq Number:	3147919			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.14.2021 20:42	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.14.2021 20:42	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.14.2021 20:42	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.14.2021 20:42	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.14.2021 20:42	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.14.2021 20:42	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.14.2021 20:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.14.2021 20:42	
4-Bromofluorobenzene	460-00-4	89	%	70-130	01.14.2021 20:42	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SW 3**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-006	Date Collected:	01.13.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.13.2021 16:34	% Moisture:	
Seq Number:	3147754			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3620**	49.9	mg/kg	01.14.2021 02:00		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.13.2021 17:48	% Moisture:	
Seq Number:	3147807			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.14.2021 07:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.14.2021 07:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.14.2021 07:36	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.14.2021 07:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	01.14.2021 07:36	
o-Terphenyl	84-15-1	122	%	70-135	01.14.2021 07:36	

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Landes Pond Release

Sample Id:	**SW 3**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-006	Date Collected:	01.13.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.14.2021 13:02	% Moisture:	
Seq Number:	3147919			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.14.2021 21:04	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.14.2021 21:04	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.14.2021 21:04	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.14.2021 21:04	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.14.2021 21:04	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.14.2021 21:04	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.14.2021 21:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.14.2021 21:04	
4-Bromofluorobenzene	460-00-4	94	%	70-130	01.14.2021 21:04	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 7 @ 1'**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-007	Date Collected:	01.13.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.13.2021 16:34	% Moisture:	
Seq Number:	3147754			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**227**	9.94	mg/kg	01.14.2021 02:17		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.13.2021 17:48	% Moisture:	
Seq Number:	3147807			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.14.2021 07:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.14.2021 07:56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.14.2021 07:56	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.14.2021 07:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	119	%	70-135	01.14.2021 07:56	
o-Terphenyl	84-15-1	108	%	70-135	01.14.2021 07:56	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 7 @ 1'**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-007	Date Collected:	01.13.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.14.2021 13:02	% Moisture:	
Seq Number:	3147919			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.14.2021 21:27	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.14.2021 21:27	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.14.2021 21:27	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.14.2021 21:27	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.14.2021 21:27	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.14.2021 21:27	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.14.2021 21:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	01.14.2021 21:27	
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.14.2021 21:27	

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Landes Pond Release

Sample Id:	**FL 8 @ 1'**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-008	Date Collected:	01.13.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.13.2021 16:34	% Moisture:	
Seq Number:	3147754			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**253**	9.94	mg/kg	01.14.2021 02:35		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.13.2021 17:48	% Moisture:	
Seq Number:	3147807			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.14.2021 08:17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.14.2021 08:17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.14.2021 08:17	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	01.14.2021 08:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	01.14.2021 08:17	
o-Terphenyl	84-15-1	120	%	70-135	01.14.2021 08:17	

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Landes Pond Release

Sample Id:	**FL 8 @ 1'**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-008	Date Collected:	01.13.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.14.2021 13:02	% Moisture:	
Seq Number:	3147919			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.14.2021 22:45	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.14.2021 22:45	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.14.2021 22:45	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.14.2021 22:45	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.14.2021 22:45	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.14.2021 22:45	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.14.2021 22:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	01.14.2021 22:45	
4-Bromofluorobenzene	460-00-4	86	%	70-130	01.14.2021 22:45	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 4 @ 2'**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-009	Date Collected:	01.13.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.13.2021 16:34	% Moisture:	
Seq Number:	3147754			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**110**	10.0	mg/kg	01.14.2021 02:41		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.13.2021 17:42	% Moisture:	
Seq Number:	3147803			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.14.2021 03:15	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.14.2021 03:15	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.14.2021 03:15	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.14.2021 03:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	01.14.2021 03:15	
o-Terphenyl	84-15-1	120	%	70-135	01.14.2021 03:15	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 4 @ 2'**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-009	Date Collected:	01.13.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.14.2021 13:02	% Moisture:	
Seq Number:	3147919			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.14.2021 23:07	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.14.2021 23:07	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.14.2021 23:07	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.14.2021 23:07	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.14.2021 23:07	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.14.2021 23:07	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.14.2021 23:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.14.2021 23:07	
4-Bromofluorobenzene	460-00-4	91	%	70-130	01.14.2021 23:07	

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Certificate of Analytical Results 684604

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 5 @ 2'**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-010	Date Collected:	01.13.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.13.2021 16:34	% Moisture:	
Seq Number:	3147754			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**166**	10.1	mg/kg	01.14.2021 02:47		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.13.2021 17:42	% Moisture:	
Seq Number:	3147803			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.14.2021 03:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.14.2021 03:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.14.2021 03:36	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.14.2021 03:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	124	%	70-135	01.14.2021 03:36	
o-Terphenyl	84-15-1	126	%	70-135	01.14.2021 03:36	

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Certificate of Analytical Results 684604

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 5 @ 2'**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-010	Date Collected:	01.13.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.14.2021 13:02	% Moisture:	
Seq Number:	3147919			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.14.2021 23:29	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.14.2021 23:29	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.14.2021 23:29	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.14.2021 23:29	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.14.2021 23:29	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.14.2021 23:29	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.14.2021 23:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	01.14.2021 23:29	
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.14.2021 23:29	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 6 @ 2'**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-011	Date Collected:	01.13.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.13.2021 16:34	% Moisture:	
Seq Number:	3147754			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**109**	10.1	mg/kg	01.14.2021 02:53		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.13.2021 17:42	% Moisture:	
Seq Number:	3147803			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.14.2021 03:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.14.2021 03:56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.14.2021 03:56	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.14.2021 03:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	01.14.2021 03:56	
o-Terphenyl	84-15-1	98	%	70-135	01.14.2021 03:56	

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Certificate of Analytical Results 684604

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 6 @ 2'**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-011	Date Collected:	01.13.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.14.2021 13:02	% Moisture:	
Seq Number:	3147919			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.14.2021 23:52	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.14.2021 23:52	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.14.2021 23:52	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.14.2021 23:52	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.14.2021 23:52	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.14.2021 23:52	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.14.2021 23:52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	01.14.2021 23:52	
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.14.2021 23:52	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**WW 1**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-012	Date Collected:	01.13.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.13.2021 16:34	% Moisture:	
Seq Number:	3147754			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**34.5**	10.1	mg/kg	01.14.2021 02:59		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.13.2021 17:42	% Moisture:	
Seq Number:	3147803			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.14.2021 04:16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.14.2021 04:16	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.14.2021 04:16	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.14.2021 04:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	126	%	70-135	01.14.2021 04:16	
o-Terphenyl	84-15-1	106	%	70-135	01.14.2021 04:16	

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Certificate of Analytical Results 684604

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**WW 1**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-012	Date Collected:	01.13.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.14.2021 13:02	% Moisture:	
Seq Number:	3147919			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.15.2021 00:14	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.15.2021 00:14	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.15.2021 00:14	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.15.2021 00:14	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.15.2021 00:14	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.15.2021 00:14	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.15.2021 00:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	01.15.2021 00:14	
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.15.2021 00:14	

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Certificate of Analytical Results 684604

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**EW 1**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-013	Date Collected:	01.13.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.13.2021 16:34	% Moisture:	
Seq Number:	3147754			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**562**	10.0	mg/kg	01.14.2021 03:05		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.13.2021 17:42	% Moisture:	
Seq Number:	3147803			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	01.14.2021 04:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	01.14.2021 04:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	01.14.2021 04:36	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	01.14.2021 04:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-135	01.14.2021 04:36	
o-Terphenyl	84-15-1	104	%	70-135	01.14.2021 04:36	

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Certificate of Analytical Results 684604

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**EW 1**	Matrix:	Soil	Date Received:	01.13.2021 15:48
Lab Sample Id:	684604-013	Date Collected:	01.13.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.14.2021 13:02	% Moisture:	
Seq Number:	3147919			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.15.2021 00:36	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.15.2021 00:36	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.15.2021 00:36	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.15.2021 00:36	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.15.2021 00:36	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.15.2021 00:36	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.15.2021 00:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.15.2021 00:36	
4-Bromofluorobenzene	460-00-4	93	%	70-130	01.15.2021 00:36	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 684604

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3147754 — Matrix: Solid — Date Prep: 01.13.2021
MB Sample Id: 7719121-1-BLK — LCS Sample Id: 7719121-1-BKS — LCSD Sample Id: 7719121-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	250	100	251	100	90-110	0	20	mg/kg	01.14.2021 00:24	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3147754 — Matrix: Soil — Date Prep: 01.13.2021
Parent Sample Id: 684487-009 — MS Sample Id: 684487-009 S — MSD Sample Id: 684487-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	23.9	198	220	99	224	99	90-110	2	20	mg/kg	01.14.2021 00:42	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3147754 — Matrix: Soil — Date Prep: 01.13.2021
Parent Sample Id: 684604-006 — MS Sample Id: 684604-006 S — MSD Sample Id: 684604-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	3620	202	3820	99	3840	109	90-110	1	20	mg/kg	01.14.2021 02:06	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3147803 — Matrix: Solid — Date Prep: 01.13.2021
MB Sample Id: 7719124-1-BLK — LCS Sample Id: 7719124-1-BKS — LCSD Sample Id: 7719124-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1010	101	1110	111	70-135	9	35	mg/kg	01.13.2021 20:31	
Diesel Range Organics (DRO)	<50.0	1000	1030	103	1180	118	70-135	14	35	mg/kg	01.13.2021 20:31	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	125		105		106		70-135	%	01.13.2021 20:31
o-Terphenyl	112		101		102		70-135	%	01.13.2021 20:31

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3147805 — Matrix: Solid — Date Prep: 01.13.2021
MB Sample Id: 7719125-1-BLK — LCS Sample Id: 7719125-1-BKS — LCSD Sample Id: 7719125-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1010	101	1070	107	70-135	6	35	mg/kg	01.14.2021 05:36	
Diesel Range Organics (DRO)	<50.0	1000	1080	108	1090	109	70-135	1	35	mg/kg	01.14.2021 05:36	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	105		104		105		70-135	%	01.14.2021 05:36
o-Terphenyl	109		109		119		70-135	%	01.14.2021 05:36

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 684604

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3147807 — Matrix: Solid — Date Prep: 01.13.2021
MB Sample Id: 7719126-1-BLK — LCS Sample Id: 7719126-1-BKS — LCSD Sample Id: 7719126-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1000	100	1010	101	70-135	1	35	mg/kg	01.14.2021 05:36	
Diesel Range Organics (DRO)	<50.0	1000	1020	102	1090	109	70-135	7	35	mg/kg	01.14.2021 05:36	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	101		91		121		70-135	%	01.14.2021 05:36
o-Terphenyl	95		89		94		70-135	%	01.14.2021 05:36

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3147803 — Matrix: Solid — Date Prep: 01.13.2021
MB Sample Id: 7719124-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.13.2021 20:11	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3147805 — Matrix: Solid — Date Prep: 01.13.2021
MB Sample Id: 7719125-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.14.2021 05:16	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3147807 — Matrix: Solid — Date Prep: 01.13.2021
MB Sample Id: 7719126-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.14.2021 05:16	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3147803 — Matrix: Soil — Date Prep: 01.13.2021
Parent Sample Id: 684466-009 — MS Sample Id: 684466-009 S — MSD Sample Id: 684466-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.3	1010	1210	120	1130	113	70-135	7	35	mg/kg	01.13.2021 21:32	
Diesel Range Organics (DRO)	<50.3	1010	1220	121	1110	111	70-135	9	35	mg/kg	01.13.2021 21:32	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	114		112		70-135	%	01.13.2021 21:32
o-Terphenyl	98		107		70-135	%	01.13.2021 21:32

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Final 1.000

QC Summary 684604

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3147805 — Matrix: Soil — Date Prep: 01.13.2021
Parent Sample Id: 684594-001 — MS Sample Id: 684594-001 S — MSD Sample Id: 684594-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.1	1000	1210	121	1200	120	70-135	1	35	mg/kg	01.14.2021 06:36	
Diesel Range Organics (DRO)	<50.1	1000	1230	123	1130	113	70-135	8	35	mg/kg	01.14.2021 06:36	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	110		113		70-135	%	01.14.2021 06:36
o-Terphenyl	94		108		70-135	%	01.14.2021 06:36

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3147807 — Matrix: Soil — Date Prep: 01.13.2021
Parent Sample Id: 684604-004 — MS Sample Id: 684604-004 S — MSD Sample Id: 684604-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1140	114	1130	113	70-135	1	35	mg/kg	01.14.2021 06:36	
Diesel Range Organics (DRO)	<50.0	1000	1170	117	1100	110	70-135	6	35	mg/kg	01.14.2021 06:36	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	115		104		70-135	%	01.14.2021 06:36
o-Terphenyl	108		122		70-135	%	01.14.2021 06:36

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3147919 — Matrix: Solid — Date Prep: 01.14.2021
MB Sample Id: 7719206-1-BLK — LCS Sample Id: 7719206-1-BKS — LCSD Sample Id: 7719206-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.103	103	0.102	102	70-130	1	35	mg/kg	01.14.2021 16:03	
Toluene	<0.00200	0.100	0.0980	98	0.0989	99	70-130	1	35	mg/kg	01.14.2021 16:03	
Ethylbenzene	<0.00200	0.100	0.0911	91	0.0920	92	71-129	1	35	mg/kg	01.14.2021 16:03	
m,p-Xylenes	<0.00400	0.200	0.185	93	0.187	94	70-135	1	35	mg/kg	01.14.2021 16:03	
o-Xylene	<0.00200	0.100	0.0919	92	0.0918	92	71-133	0	35	mg/kg	01.14.2021 16:03	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		95		96		70-130	%	01.14.2021 16:03
4-Bromofluorobenzene	89		87		88		70-130	%	01.14.2021 16:03

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 684604

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A

Seq Number: 3147919 Matrix: Soil Date Prep: 01.14.2021

Parent Sample Id: 684594-001 MS Sample Id: 684594-001 S MSD Sample Id: 684594-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.117	117	0.0964	96	70-130	19	35	mg/kg	01.14.2021 16:48	
Toluene	<0.00200	0.100	0.113	113	0.0919	92	70-130	21	35	mg/kg	01.14.2021 16:48	
Ethylbenzene	<0.00200	0.100	0.104	104	0.0841	84	71-129	21	35	mg/kg	01.14.2021 16:48	
m,p-Xylenes	<0.00401	0.200	0.211	106	0.171	86	70-135	21	35	mg/kg	01.14.2021 16:48	
o-Xylene	<0.00200	0.100	0.103	103	0.0825	83	71-133	22	35	mg/kg	01.14.2021 16:48	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	95		96		70-130	%	01.14.2021 16:48
4-Bromofluorobenzene	90		89		70-130	%	01.14.2021 16:48

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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Chain of Custody

XENCO

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, El. Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 6846604

www.xenco.com Page 1 of 2

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Solaris
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/US ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☑
Project Location	Rural Eddy County, NM	Rush:	☐
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Temperature (°C):	1.2/1.0	Thermometer ID		
Received Intact:	(Yes) No	T-NM-007		
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes (No) N/A	Total Containers:	13	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005
FL1@1'	S	1-13-21		1'	1	X	X	X	
FL2@1'	S	1-13-21		1'	1	X	X	X	
FL3@1'	S	1-13-21		1'	1	X	X	X	
SW1	S	1-12-21		-	1	X	X	X	
SW2	S	1-13-21		-	1	X	X	X	
SW3	S	1-13-21		-	1	X	X	X	
FL7@1'	S	1-13-21		1'	1	X	X	X	
FL8@1'	S	1-13-21		1'	1	X	X	X	
FL4@2'	S	1-13-21		2'	1	X	X	X	
FL5@2'	S	1-13-21		2'	1	X	X	X	

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Cloe Cuffo	1-13-21 1545	2		
3			4		
5			6		

Revised Date 101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
Page 39 of 41

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Chain of Custody

XENCO

Work Order No: 6846O4

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com Page 2 of 2

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Solaris
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☑
Project Location	Rural Eddy county, NM	Rush:	☐
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Temperature (°C):	1.2/1.0	Thermometer ID	T-WM-007
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Total Containers:	13

ANALYSIS REQUEST

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day received by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005	Sample Comments
FL6@2'	S	1.13.21		2'	1	X	X	X		
WW1	S	1.13.21		-	1	X	X	X		
EW1	S	1.13.21		-	1	X	X	X		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			1.13.21 1543			
3				4		
5				6		

Revised Date 10.14.19 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
Page 40 of 41

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 01.13.2021 03.48.00 PM

Work Order #: 684604

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	1	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	Samples received in bulk containers.
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**No**	
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 01.13.2021

Checklist reviewed by: Jessica Kramer Date: 01.14.2021

Jessica Kramer

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Certificate of Analysis Summary 684805

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landos Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County, New Mexico

Date Received in Lab: Thu 01.14.2021 16:00
Report Date: 01.18.2021 14:21
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	684805-001		684805-002		684805-003		684805-004		684805-005		684805-006	
	Field Id:	FL 9 @ 2'		FL 10 @ 2'		WW2		EW2		SW4		SW5	
	Depth:	2- ft		2- ft									
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.14.2021 00:00		01.14.2021 00:00		01.14.2021 00:00		01.14.2021 00:00		01.14.2021 00:00		01.14.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.15.2021 13:00		01.15.2021 13:00		01.15.2021 13:00		01.15.2021 13:00		01.15.2021 13:00		01.15.2021 13:00	
	Analyzed:	01.15.2021 16:15		01.15.2021 16:37		01.15.2021 17:00		01.15.2021 17:22		01.15.2021 17:44		01.15.2021 18:07	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
Toluene		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
Ethylbenzene		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
m,p-Xylenes		<0.00396	0.00396	<0.00399	0.00399	<0.00401	0.00401	<0.00403	0.00403	<0.00398	0.00398	<0.00399	0.00399
o-Xylene		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
Total Xylenes		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
Total BTEX		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
Inorganic Anions by EPA 300	***Extracted:***	01.15.2021 15:00		01.15.2021 15:00		01.15.2021 15:00		01.15.2021 15:00		01.15.2021 15:00		01.15.2021 15:00	
	Analyzed:	01.15.2021 15:32		01.15.2021 15:49		01.15.2021 15:55		01.15.2021 16:00		01.15.2021 16:06		01.15.2021 16:23	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		77.3	9.98	76.5	9.94	43.8	9.90	29.8	9.90	259	49.5	247	50.3
TPH by SW8015 Mod	***Extracted:***	01.15.2021 12:10		01.15.2021 12:10		01.15.2021 12:10		01.15.2021 12:10		01.15.2021 12:10		01.15.2021 12:10	
	Analyzed:	01.15.2021 14:19		01.15.2021 15:19		01.15.2021 15:39		01.15.2021 15:59		01.15.2021 16:22		01.15.2021 16:42	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.2	50.2	<50.0	50.0	<50.0	50.0
Diesel Range Organics (DRO)		<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.2	50.2	<50.0	50.0	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.2	50.2	<50.0	50.0	<50.0	50.0
Total TPH		<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.2	50.2	<50.0	50.0	<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Analytical Report 684805

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

Landos Pond Release

13261

01.18.2021

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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01.18.2021

Project Manager: **PM**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **684805**
Landos Pond Release
Project Address: Rural Eddy County, New Mexico

PM :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 684805. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 684805 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 684805

Etech Environmental & Safety Solution, Inc, Midland, TX

Landos Pond Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
FL 9 @ 2'	S	01.14.2021 00:00	2 ft	684805-001
FL 10 @ 2'	S	01.14.2021 00:00	2 ft	684805-002
WW2	S	01.14.2021 00:00		684805-003
EW2	S	01.14.2021 00:00		684805-004
SW4	S	01.14.2021 00:00		684805-005
SW5	S	01.14.2021 00:00		684805-006

CASE NARRATIVE

eurofins | Environment Testing Xenco

Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Landos Pond Release

Project ID: *13261*
Work Order Number(s): *684805*

Report Date: *01.18.2021*
Date Received: *01.14.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

eurofins | Environment Testing Xenco

Certificate of Analytical Results 684805

Etech Environmental & Safety Solution, Inc, Midland, TX

Landos Pond Release

Sample Id:	**FL 9 @ 2'**	Matrix:	Soil	Date Received:	01.14.2021 16:00
Lab Sample Id:	684805-001	Date Collected:	01.14.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.15.2021 15:00	% Moisture:	
Seq Number:	3148035			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**77.3**	9.98	mg/kg	01.15.2021 15:32		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.15.2021 12:10	% Moisture:	
Seq Number:	3148052			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.15.2021 14:19	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.15.2021 14:19	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.15.2021 14:19	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.15.2021 14:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-135	01.15.2021 14:19	
o-Terphenyl	84-15-1	112	%	70-135	01.15.2021 14:19	

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Certificate of Analytical Results 684805

Etech Environmental & Safety Solution, Inc, Midland, TX

Landos Pond Release

Sample Id:	**FL 9 @ 2'**	Matrix:	Soil	Date Received:	01.14.2021 16:00
Lab Sample Id:	684805-001	Date Collected:	01.14.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.15.2021 13:00	% Moisture:	
Seq Number:	3148043			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.15.2021 16:15	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.15.2021 16:15	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.15.2021 16:15	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	01.15.2021 16:15	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.15.2021 16:15	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.15.2021 16:15	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.15.2021 16:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.15.2021 16:15	
4-Bromofluorobenzene	460-00-4	125	%	70-130	01.15.2021 16:15	

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Certificate of Analytical Results 684805

Etech Environmental & Safety Solution, Inc, Midland, TX

Landos Pond Release

Sample Id:	**FL 10 @ 2'**	Matrix:	Soil	Date Received:	01.14.2021 16:00
Lab Sample Id:	684805-002	Date Collected:	01.14.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.15.2021 15:00	% Moisture:	
Seq Number:	3148035			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**76.5**	9.94	mg/kg	01.15.2021 15:49		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.15.2021 12:10	% Moisture:	
Seq Number:	3148052			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.15.2021 15:19	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.15.2021 15:19	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.15.2021 15:19	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.15.2021 15:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	01.15.2021 15:19	
o-Terphenyl	84-15-1	116	%	70-135	01.15.2021 15:19	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landos Pond Release

Sample Id:	**FL 10 @ 2'**	Matrix:	Soil	Date Received:	01.14.2021 16:00
Lab Sample Id:	684805-002	Date Collected:	01.14.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.15.2021 13:00	% Moisture:	
Seq Number:	3148043			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.15.2021 16:37	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.15.2021 16:37	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.15.2021 16:37	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.15.2021 16:37	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.15.2021 16:37	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.15.2021 16:37	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.15.2021 16:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	122	%	70-130	01.15.2021 16:37	
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.15.2021 16:37	

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Certificate of Analytical Results 684805

Etech Environmental & Safety Solution, Inc, Midland, TX

Landos Pond Release

Sample Id:	**WW2**	Matrix:	Soil	Date Received:	01.14.2021 16:00
Lab Sample Id:	684805-003	Date Collected:	01.14.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.15.2021 15:00	% Moisture:	
Seq Number:	3148035			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**43.8**	9.90	mg/kg	01.15.2021 15:55		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.15.2021 12:10	% Moisture:	
Seq Number:	3148052			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.15.2021 15:39	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.15.2021 15:39	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.15.2021 15:39	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.15.2021 15:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-135	01.15.2021 15:39	
o-Terphenyl	84-15-1	102	%	70-135	01.15.2021 15:39	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landos Pond Release

Sample Id:	**WW2**	Matrix:	Soil	Date Received:	01.14.2021 16:00
Lab Sample Id:	684805-003	Date Collected:	01.14.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.15.2021 13:00	% Moisture:	
Seq Number:	3148043			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.15.2021 17:00	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.15.2021 17:00	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.15.2021 17:00	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.15.2021 17:00	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.15.2021 17:00	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.15.2021 17:00	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.15.2021 17:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	119	%	70-130	01.15.2021 17:00	
1,4-Difluorobenzene	540-36-3	106	%	70-130	01.15.2021 17:00	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landos Pond Release

Sample Id:	**EW2**	Matrix:	Soil	Date Received:	01.14.2021 16:00
Lab Sample Id:	684805-004	Date Collected:	01.14.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.15.2021 15:00	% Moisture:	
Seq Number:	3148035			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**29.8**	9.90	mg/kg	01.15.2021 16:00		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.15.2021 12:10	% Moisture:	
Seq Number:	3148052			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.15.2021 15:59	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.15.2021 15:59	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.15.2021 15:59	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	01.15.2021 15:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	01.15.2021 15:59	
o-Terphenyl	84-15-1	118	%	70-135	01.15.2021 15:59	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landos Pond Release

Sample Id:	**EW2**	Matrix:	Soil	Date Received:	01.14.2021 16:00
Lab Sample Id:	684805-004	Date Collected:	01.14.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.15.2021 13:00	% Moisture:	
Seq Number:	3148043			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.15.2021 17:22	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.15.2021 17:22	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.15.2021 17:22	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.15.2021 17:22	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.15.2021 17:22	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.15.2021 17:22	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.15.2021 17:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.15.2021 17:22	
4-Bromofluorobenzene	460-00-4	119	%	70-130	01.15.2021 17:22	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landos Pond Release

Sample Id:	**SW4**	Matrix:	Soil	Date Received:	01.14.2021 16:00
Lab Sample Id:	684805-005	Date Collected:	01.14.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.15.2021 15:00	% Moisture:	
Seq Number:	3148035			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**259**	49.5	mg/kg	01.15.2021 16:06		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.15.2021 12:10	% Moisture:	
Seq Number:	3148052			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.15.2021 16:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.15.2021 16:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.15.2021 16:22	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.15.2021 16:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	01.15.2021 16:22	
o-Terphenyl	84-15-1	122	%	70-135	01.15.2021 16:22	

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Certificate of Analytical Results 684805

Etech Environmental & Safety Solution, Inc, Midland, TX

Landos Pond Release

Sample Id:	**SW4**	Matrix:	Soil	Date Received:	01.14.2021 16:00
Lab Sample Id:	684805-005	Date Collected:	01.14.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.15.2021 13:00	% Moisture:	
Seq Number:	3148043			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.15.2021 17:44	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.15.2021 17:44	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.15.2021 17:44	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.15.2021 17:44	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.15.2021 17:44	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.15.2021 17:44	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.15.2021 17:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	123	%	70-130	01.15.2021 17:44	
1,4-Difluorobenzene	540-36-3	114	%	70-130	01.15.2021 17:44	

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Certificate of Analytical Results 684805

Etech Environmental & Safety Solution, Inc, Midland, TX

Landos Pond Release

Sample Id:	**SW5**	Matrix:	Soil	Date Received:	01.14.2021 16:00
Lab Sample Id:	684805-006	Date Collected:	01.14.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.15.2021 15:00	% Moisture:	
Seq Number:	3148035			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**247**	50.3	mg/kg	01.15.2021 16:23		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.15.2021 12:10	% Moisture:	
Seq Number:	3148052			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.15.2021 16:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.15.2021 16:42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.15.2021 16:42	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.15.2021 16:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	01.15.2021 16:42	
o-Terphenyl	84-15-1	114	%	70-135	01.15.2021 16:42	

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Certificate of Analytical Results 684805

Etech Environmental & Safety Solution, Inc, Midland, TX

Landos Pond Release

Sample Id:	**SW5**	Matrix:	Soil	Date Received:	01.14.2021 16:00
Lab Sample Id:	684805-006	Date Collected:	01.14.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.15.2021 13:00	% Moisture:	
Seq Number:	3148043			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.15.2021 18:07	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.15.2021 18:07	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.15.2021 18:07	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.15.2021 18:07	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.15.2021 18:07	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.15.2021 18:07	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.15.2021 18:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.15.2021 18:07	
4-Bromofluorobenzene	460-00-4	122	%	70-130	01.15.2021 18:07	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 684805

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Etech Environmental & Safety Solution, Inc

Landos Pond Release

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148035 — Matrix: Solid — Date Prep: 01.15.2021
MB Sample Id: 7719345-1-BLK — LCS Sample Id: 7719345-1-BKS — LCSD Sample Id: 7719345-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	200	212	106	206	103	90-110	3	20	mg/kg	01.15.2021 15:09	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148035 — Matrix: Soil — Date Prep: 01.15.2021
Parent Sample Id: 684805-001 — MS Sample Id: 684805-001 S — MSD Sample Id: 684805-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	77.3	199	291	107	290	107	90-110	0	20	mg/kg	01.15.2021 15:38	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148035 — Matrix: Soil — Date Prep: 01.15.2021
Parent Sample Id: 684808-005 — MS Sample Id: 684808-005 S — MSD Sample Id: 684808-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	2530	201	2730	100	2720	94	90-110	0	20	mg/kg	01.15.2021 16:57	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148052 — Matrix: Solid — Date Prep: 01.15.2021
MB Sample Id: 7719264-1-BLK — LCS Sample Id: 7719264-1-BKS — LCSD Sample Id: 7719264-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	957	96	1010	101	70-135	5	35	mg/kg	01.15.2021 13:39	
Diesel Range Organics (DRO)	<50.0	1000	945	95	923	92	70-135	2	35	mg/kg	01.15.2021 13:39	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	101		114		102		70-135	%	01.15.2021 13:39
o-Terphenyl	96		104		116		70-135	%	01.15.2021 13:39

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148052 — Matrix: Solid — Date Prep: 01.15.2021
MB Sample Id: 7719264-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.15.2021 13:18	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 684805

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Etech Environmental & Safety Solution, Inc

Landos Pond Release

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148052 — Matrix: Soil — Date Prep: 01.15.2021
Parent Sample Id: 684805-001 — MS Sample Id: 684805-001 S — MSD Sample Id: 684805-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.1	1000	1020	102	962	96	70-135	6	35	mg/kg	01.15.2021 14:39	
Diesel Range Organics (DRO)	<50.1	1000	968	97	968	97	70-135	0	35	mg/kg	01.15.2021 14:39	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	105		101		70-135	%	01.15.2021 14:39
o-Terphenyl	106		122		70-135	%	01.15.2021 14:39

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3148043 — Matrix: Solid — Date Prep: 01.15.2021
MB Sample Id: 7719355-1-BLK — LCS Sample Id: 7719355-1-BKS — LCSD Sample Id: 7719355-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.103	103	0.0991	99	70-130	4	35	mg/kg	01.15.2021 14:10	
Toluene	<0.00200	0.100	0.0937	94	0.0900	90	70-130	4	35	mg/kg	01.15.2021 14:10	
Ethylbenzene	<0.00200	0.100	0.0974	97	0.0959	96	71-129	2	35	mg/kg	01.15.2021 14:10	
m,p-Xylenes	<0.00400	0.200	0.201	101	0.191	96	70-135	5	35	mg/kg	01.15.2021 14:10	
o-Xylene	<0.00200	0.100	0.0980	98	0.0949	95	71-133	3	35	mg/kg	01.15.2021 14:10	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		99		99		70-130	%	01.15.2021 14:10
4-Bromofluorobenzene	113		109		110		70-130	%	01.15.2021 14:10

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3148043 — Matrix: Soil — Date Prep: 01.15.2021
Parent Sample Id: 684805-001 — MS Sample Id: 684805-001 S — MSD Sample Id: 684805-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.0739	74	0.0957	96	70-130	26	35	mg/kg	01.15.2021 14:55	
Toluene	<0.00199	0.0996	0.0698	70	0.0893	90	70-130	25	35	mg/kg	01.15.2021 14:55	
Ethylbenzene	<0.00199	0.0996	0.0714	72	0.0942	95	71-129	28	35	mg/kg	01.15.2021 14:55	
m,p-Xylenes	<0.00398	0.199	0.148	74	0.195	98	70-135	27	35	mg/kg	01.15.2021 14:55	
o-Xylene	<0.00199	0.0996	0.0746	75	0.0971	98	71-133	26	35	mg/kg	01.15.2021 14:55	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		101		70-130	%	01.15.2021 14:55
4-Bromofluorobenzene	113		113		70-130	%	01.15.2021 14:55

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

Page 1079 of 1721

Chain of Custody

XENCO

Work Order No: 684805

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Page 1 of 1

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Solaris
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechenv.com + Client

Work Order Comments

Program: UST/PST [ ] PRP [ ] Brownfields [ ] RRC [ ] Superfund [ ]
State of Project:
Reporting: Level I [ ] Level II [ ] PST/UST [ ] TRRP [ ] Level IV [ ]
Deliverables: EDD [ ] ADaPT [ ] Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	~~[redacted]~~ 13261	Routine:	☑
Project Location	~~[redacted]~~ Rural Eddy county	Rush:	[ ]
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No	
Temperature (°C):	2.2/2.0	Thermometer ID	TNM007	
Received Intact:	(Yes) No			
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes (No) N/A	Total Containers:	6	

ANALYSIS REQUEST

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day received by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005	Sample Comments
FL9@2'	S	1.14.21		2'	1	X	X	X		
FL10@2'	S	1.14.21		2'	1	X	X	X		
WW2	S	1.14.21		-	1	X	X	X		
EW2	S	1.14.21		-	1	X	X	X		
SW4	S	1.14.21		-	1	X	X	X		
SW5	S	1.14.21		-	1	X	X	X		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		1/14/21 16:00	2		
3			4		
5			6		

Revised Date 081419 Rev 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
Page 21 of 22

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 01.14.2021 04.00.00 PM

Work Order #: 684805

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	2	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	Samples received in bulk containers.
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**No**	
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 01.15.2021

Cloe Clifton

Checklist reviewed by: Jessica Kramer Date: 01.18.2021

Jessica Kramer

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Certificate of Analysis Summary 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Mon 01.18.2021 15:56
Report Date: 01.20.2021 16:23
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685118-001		685118-002		685118-003		685118-004		685118-005		685118-006	
	Field Id:	NW1		NWW1		NWW2		FL 11 @ 2'		FL 14 @ 2'		FL 15 @ 2'	
	Depth:							2- ft		2- ft		2- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00	
	Analyzed:	01.18.2021 20:40		01.18.2021 21:03		01.18.2021 21:25		01.18.2021 21:47		01.18.2021 22:10		01.18.2021 22:32	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Toluene		<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Ethylbenzene		<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
m,p-Xylenes		<0.00403	0.00403	<0.00401	0.00401	<0.00404	0.00404	<0.00399	0.00399	<0.00397	0.00397	<0.00399	0.00399
o-Xylene		<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Total Xylenes		<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Total BTEX		<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Inorganic Anions by EPA 300	***Extracted:***	01.19.2021 15:00		01.19.2021 15:00		01.19.2021 15:00		01.19.2021 15:00		01.19.2021 15:00		01.19.2021 15:00	
	Analyzed:	01.19.2021 15:50		01.19.2021 16:07		01.19.2021 16:13		01.19.2021 16:19		01.19.2021 16:24		01.19.2021 17:34	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		36.1	10.0	31.6	9.92	32.5	10.0	13.4	9.96	19.6	9.96	70.4	10.0
TPH by SW8015 Mod	***Extracted:***	01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30	
	Analyzed:	01.18.2021 19:33		01.18.2021 20:33		01.18.2021 20:53		01.18.2021 21:13		01.18.2021 21:34		01.18.2021 21:54	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<50.0	50.0	<50.2	50.2	<49.9	49.9	<49.9	49.9	<50.2	50.2
Diesel Range Organics (DRO)		<49.9	49.9	<50.0	50.0	<50.2	50.2	<49.9	49.9	<49.9	49.9	<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<50.0	50.0	<50.2	50.2	<49.9	49.9	<49.9	49.9	<50.2	50.2
Total TPH		<49.9	49.9	<50.0	50.0	<50.2	50.2	<49.9	49.9	<49.9	49.9	<50.2	50.2

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Mon 01.18.2021 15:56
Report Date: 01.20.2021 16:23
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685118-007		685118-008		685118-009		685118-010		685118-011		685118-012	
	Field Id:	FL 16 @ 2'		FL 17 @ 2'		FL 18 @ 2'		EW3		FL 12 @ 2'		FL 13 @ 2'	
	Depth:	2- ft		2- ft		2- ft				2- ft		2- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00	
	Analyzed:	01.18.2021 22:54		01.18.2021 23:17		01.18.2021 23:39		01.19.2021 00:02		01.19.2021 01:21		01.19.2021 01:44	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198
Toluene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198
Ethylbenzene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198
m,p-Xylenes		<0.00398	0.00398	<0.00401	0.00401	<0.00399	0.00399	<0.00398	0.00398	<0.00401	0.00401	<0.00397	0.00397
o-Xylene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198
Total Xylenes		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198
Total BTEX		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198
Inorganic Anions by EPA 300	***Extracted:***	01.19.2021 15:00		01.19.2021 15:00		01.19.2021 15:00		01.19.2021 15:00		01.19.2021 15:00		01.19.2021 15:00	
	Analyzed:	01.19.2021 17:40		01.19.2021 17:46		01.19.2021 17:51		01.19.2021 17:57		01.19.2021 18:03		01.19.2021 18:20	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		86.0	9.92	102	10.1	104	9.90	53.9	9.98	789	10.0	597	10.1
TPH by SW8015 Mod	***Extracted:***	01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30	
	Analyzed:	01.18.2021 22:14		01.18.2021 22:34		01.18.2021 22:54		01.18.2021 23:15		01.18.2021 23:55		01.19.2021 00:16	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.2	50.2	<49.8	49.8	<50.1	50.1	<50.1	50.1	<49.8	49.8	<49.8	49.8
Diesel Range Organics (DRO)		<50.2	50.2	<49.8	49.8	<50.1	50.1	<50.1	50.1	<49.8	49.8	<49.8	49.8
Motor Oil Range Hydrocarbons (MRO)		<50.2	50.2	<49.8	49.8	<50.1	50.1	<50.1	50.1	<49.8	49.8	<49.8	49.8
Total TPH		<50.2	50.2	<49.8	49.8	<50.1	50.1	<50.1	50.1	<49.8	49.8	<49.8	49.8

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Mon 01.18.2021 15:56
Report Date: 01.20.2021 16:23
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685118-013		685118-014		685118-015		685118-016		685118-017		685118-018	
	Field Id:	FL 19 @ 2'		FL 20 @ 2'		FL 21 @ 2'		FL 22 @ 2'		FL 23 @ 2'		FL 24 @ 2'	
	Depth:	2- ft		2- ft		2- ft		2- ft		2- ft		2- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00	
	Analyzed:	01.19.2021 02:06		01.19.2021 02:29		01.19.2021 02:51		01.19.2021 03:14		01.19.2021 03:36		01.19.2021 03:59	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Toluene		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Ethylbenzene		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
m,p-Xylenes		<0.00398	0.00398	<0.00399	0.00399	<0.00397	0.00397	<0.00399	0.00399	<0.00397	0.00397	<0.00399	0.00399
o-Xylene		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Total Xylenes		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Total BTEX		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Inorganic Anions by EPA 300	***Extracted:***	01.19.2021 15:00		01.19.2021 15:00		01.19.2021 15:00		01.19.2021 15:00		01.19.2021 15:00		01.19.2021 15:00	
	Analyzed:	01.19.2021 18:25		01.19.2021 18:42		01.19.2021 18:48		01.19.2021 18:54		01.19.2021 18:59		01.19.2021 19:05	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		113	9.90	139	9.98	117	9.96	104	10.0	122	10.0	96.3	10.0
TPH by SW8015 Mod	***Extracted:***	01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30	
	Analyzed:	01.19.2021 00:36		01.19.2021 00:56		01.19.2021 01:16		01.19.2021 01:36		01.19.2021 01:56		01.19.2021 02:16	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<49.9	49.9	<50.3	50.3	<49.8	49.8	<49.9	49.9	<49.9	49.9
Diesel Range Organics (DRO)		<49.9	49.9	<49.9	49.9	<50.3	50.3	<49.8	49.8	<49.9	49.9	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<49.9	49.9	<50.3	50.3	<49.8	49.8	<49.9	49.9	<49.9	49.9
Total TPH		<49.9	49.9	<49.9	49.9	<50.3	50.3	<49.8	49.8	<49.9	49.9	<49.9	49.9

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Mon 01.18.2021 15:56
Report Date: 01.20.2021 16:23
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685118-019		685118-020		685118-021		685118-022		685118-023		685118-024	
	Field Id:	FL 25 @ 2'		FL 26 @ 2'		FL 27 @ 2'		FL 28 @ 2'		EW 4		FL 29 @ 2'	
	Depth:	2- ft		2- ft		2- ft		2- ft				2- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30	
	Analyzed:	01.19.2021 04:21		01.19.2021 04:44		01.19.2021 01:33		01.19.2021 01:55		01.19.2021 02:18		01.19.2021 02:40	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Toluene		<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Ethylbenzene		<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
m,p-Xylenes		<0.00403	0.00403	<0.00401	0.00401	<0.00401	0.00401	<0.00399	0.00399	<0.00398	0.00398	<0.00399	0.00399
o-Xylene		<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Total Xylenes		<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Total BTEX		<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Inorganic Anions by EPA 300	***Extracted:***	01.19.2021 15:00		01.19.2021 15:00		01.19.2021 12:08		01.19.2021 12:08		01.19.2021 12:08		01.19.2021 12:08	
	Analyzed:	01.19.2021 19:11		01.19.2021 19:16		01.19.2021 19:50		01.19.2021 20:07		01.19.2021 20:13		01.19.2021 20:19	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		380	9.94	407	10.1	364	9.90	387	10.0	247	10.0	203	10.0
TPH by SW8015 Mod	***Extracted:***	01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00	
	Analyzed:	01.19.2021 02:36		01.19.2021 02:56		01.18.2021 21:34		01.18.2021 21:54		01.18.2021 22:14		01.18.2021 22:34	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<50.0	50.0	<50.1	50.1	<49.9	49.9	<50.0	50.0	<50.0	50.0
Diesel Range Organics (DRO)		<49.8	49.8	<50.0	50.0	<50.1	50.1	<49.9	49.9	<50.0	50.0	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<50.0	50.0	<50.1	50.1	<49.9	49.9	<50.0	50.0	<50.0	50.0
Total TPH		<49.8	49.8	<50.0	50.0	<50.1	50.1	<49.9	49.9	<50.0	50.0	<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Mon 01.18.2021 15:56
Report Date: 01.20.2021 16:23
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685118-025		685118-026		685118-027		685118-028		685118-029		685118-030	
	Field Id:	FL30 @ 2'		FL 31 @ 2'		FL 32 @ 2'		FL 33 @ 2'		FL 34 @ 2'		FL 35 @ 2'	
	Depth:	2- ft		2- ft		2- ft		2- ft		2- ft		2- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30	
	Analyzed:	01.19.2021 03:02		01.19.2021 03:25		01.19.2021 03:47		01.19.2021 04:10		01.19.2021 04:32		01.19.2021 04:54	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200
Toluene		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200
Ethylbenzene		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200
m,p-Xylenes		<0.00398	0.00398	<0.00397	0.00397	<0.00399	0.00399	<0.00398	0.00398	<0.00398	0.00398	<0.00401	0.00401
o-Xylene		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200
Total Xylenes		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200
Total BTEX		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200
Inorganic Anions by EPA 300	***Extracted:***	01.19.2021 12:08		01.19.2021 12:08		01.19.2021 12:08		01.19.2021 12:08		01.19.2021 12:08		01.19.2021 12:08	
	Analyzed:	01.19.2021 20:24		01.19.2021 20:42		01.19.2021 20:47		01.19.2021 20:53		01.19.2021 20:58		01.19.2021 21:04	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		159	10.0	131	9.90	151	9.98	179	9.90	404	9.98	111	10.0
TPH by SW8015 Mod	***Extracted:***	01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00	
	Analyzed:	01.18.2021 22:54		01.18.2021 23:15		01.18.2021 23:55		01.19.2021 00:16		01.19.2021 00:36		01.19.2021 00:56	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.1	50.1	<50.3	50.3	<50.0	50.0	<49.8	49.8	<50.0	50.0	<49.8	49.8
Diesel Range Organics (DRO)		<50.1	50.1	<50.3	50.3	<50.0	50.0	<49.8	49.8	<50.0	50.0	<49.8	49.8
Motor Oil Range Hydrocarbons (MRO)		<50.1	50.1	<50.3	50.3	<50.0	50.0	<49.8	49.8	<50.0	50.0	<49.8	49.8
Total TPH		<50.1	50.1	<50.3	50.3	<50.0	50.0	<49.8	49.8	<50.0	50.0	<49.8	49.8

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Mon 01.18.2021 15:56
Report Date: 01.20.2021 16:23
Project Manager: Jessica Kramer

Analysis Requested											
	Lab Id:	685118-031		685118-032		685118-033					
	Field Id:	FL 36 @ 2'		FL 37 @ 2'		FL 38 @ 2'					
	Depth:	2- ft		2- ft		2- ft					
	Matrix:	SOIL		SOIL		SOIL					
	Sampled:	01.18.2021 00:00		01.18.2021 00:00		01.18.2021 00:00					
BTEX by EPA 8021B	***Extracted:***	01.18.2021 17:30		01.18.2021 17:30		01.18.2021 17:30					
	Analyzed:	01.19.2021 06:12		01.19.2021 06:34		01.19.2021 06:57					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Benzene		<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199				
Toluene		<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199				
Ethylbenzene		<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199				
m,p-Xylenes		<0.00397	0.00397	<0.00399	0.00399	<0.00398	0.00398				
o-Xylene		<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199				
Total Xylenes		<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199				
Total BTEX		<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199				
Inorganic Anions by EPA 300	***Extracted:***	01.19.2021 12:08		01.19.2021 12:08		01.19.2021 12:08					
	Analyzed:	01.19.2021 21:10		01.19.2021 21:27		01.19.2021 21:33					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		92.2	9.98	265	10.1	68.4	9.98				
TPH by SW8015 Mod	***Extracted:***	01.18.2021 17:00		01.18.2021 17:00		01.18.2021 17:00					
	Analyzed:	01.19.2021 01:16		01.19.2021 01:36		01.19.2021 01:56					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<49.9	49.9	<49.8	49.8				
Diesel Range Organics (DRO)		<49.8	49.8	<49.9	49.9	<49.8	49.8				
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<49.9	49.9	<49.8	49.8				
Total TPH		<49.8	49.8	<49.9	49.9	<49.8	49.8				

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Analytical Report 685118

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

Landes Pond Release

13261

01.20.2021

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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01.20.2021

Project Manager: **PM**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **685118**
Landes Pond Release
Project Address: Rural Eddy County

PM :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 685118. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 685118 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
NW1	S	01.18.2021 00:00		685118-001
NWW1	S	01.18.2021 00:00		685118-002
NWW2	S	01.18.2021 00:00		685118-003
FL 11 @ 2'	S	01.18.2021 00:00	2 ft	685118-004
FL 14 @ 2'	S	01.18.2021 00:00	2 ft	685118-005
FL 15 @ 2'	S	01.18.2021 00:00	2 ft	685118-006
FL 16 @ 2'	S	01.18.2021 00:00	2 ft	685118-007
FL 17 @ 2'	S	01.18.2021 00:00	2 ft	685118-008
FL 18 @ 2'	S	01.18.2021 00:00	2 ft	685118-009
EW3	S	01.18.2021 00:00		685118-010
FL 12 @ 2'	S	01.18.2021 00:00	2 ft	685118-011
FL 13 @ 2'	S	01.18.2021 00:00	2 ft	685118-012
FL 19 @ 2'	S	01.18.2021 00:00	2 ft	685118-013
FL 20 @ 2'	S	01.18.2021 00:00	2 ft	685118-014
FL 21 @ 2'	S	01.18.2021 00:00	2 ft	685118-015
FL 22 @ 2'	S	01.18.2021 00:00	2 ft	685118-016
FL 23 @ 2'	S	01.18.2021 00:00	2 ft	685118-017
FL 24 @ 2'	S	01.18.2021 00:00	2 ft	685118-018
FL 25 @ 2'	S	01.18.2021 00:00	2 ft	685118-019
FL 26 @ 2'	S	01.18.2021 00:00	2 ft	685118-020
FL 27 @ 2'	S	01.18.2021 00:00	2 ft	685118-021
FL 28 @ 2'	S	01.18.2021 00:00	2 ft	685118-022
EW 4	S	01.18.2021 00:00		685118-023
FL 29 @ 2'	S	01.18.2021 00:00	2 ft	685118-024
FL30 @ 2'	S	01.18.2021 00:00	2 ft	685118-025
FL 31 @ 2'	S	01.18.2021 00:00	2 ft	685118-026
FL 32 @ 2'	S	01.18.2021 00:00	2 ft	685118-027
FL 33 @ 2'	S	01.18.2021 00:00	2 ft	685118-028
FL 34 @ 2'	S	01.18.2021 00:00	2 ft	685118-029
FL 35 @ 2'	S	01.18.2021 00:00	2 ft	685118-030
FL 36 @ 2'	S	01.18.2021 00:00	2 ft	685118-031
FL 37 @ 2'	S	01.18.2021 00:00	2 ft	685118-032
FL 38 @ 2'	S	01.18.2021 00:00	2 ft	685118-033

CASE NARRATIVE

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Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Landes Pond Release

Project ID: *13261*
Work Order Number(s): *685118*

Report Date: *01.20.2021*
Date Received: *01.18.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

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Certificate of Analytical Results 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NW1**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-001	Date Collected:	01.18.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**36.1**	10.0	mg/kg	01.19.2021 15:50		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.18.2021 19:33	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.18.2021 19:33	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.18.2021 19:33	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.18.2021 19:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	01.18.2021 19:33	
o-Terphenyl	84-15-1	105	%	70-135	01.18.2021 19:33	

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Certificate of Analytical Results 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NW1**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-001	Date Collected:	01.18.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.18.2021 20:40	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.18.2021 20:40	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.18.2021 20:40	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.18.2021 20:40	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.18.2021 20:40	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.18.2021 20:40	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.18.2021 20:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	01.18.2021 20:40	
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.18.2021 20:40	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NWW1**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-002	Date Collected:	01.18.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**31.6**	9.92	mg/kg	01.19.2021 16:07		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.18.2021 20:33	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.18.2021 20:33	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.18.2021 20:33	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.18.2021 20:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	01.18.2021 20:33	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NWW1**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-002	Date Collected:	01.18.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.18.2021 21:03	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.18.2021 21:03	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.18.2021 21:03	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.18.2021 21:03	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.18.2021 21:03	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.18.2021 21:03	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.18.2021 21:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	120	%	70-130	01.18.2021 21:03	
1,4-Difluorobenzene	540-36-3	102	%	70-130	01.18.2021 21:03	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NWW2**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-003	Date Collected:	01.18.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**32.5**	10.0	mg/kg	01.19.2021 16:13		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.18.2021 20:53	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.18.2021 20:53	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.18.2021 20:53	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	01.18.2021 20:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	122	%	70-135	01.18.2021 20:53	
o-Terphenyl	84-15-1	113	%	70-135	01.18.2021 20:53	

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Landes Pond Release

Sample Id:	**NWW2**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-003	Date Collected:	01.18.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.18.2021 21:25	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.18.2021 21:25	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.18.2021 21:25	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	01.18.2021 21:25	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.18.2021 21:25	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.18.2021 21:25	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.18.2021 21:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	106	%	70-130	01.18.2021 21:25	
4-Bromofluorobenzene	460-00-4	125	%	70-130	01.18.2021 21:25	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 11 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-004	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**13.4**	9.96	mg/kg	01.19.2021 16:19		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.18.2021 21:13	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.18.2021 21:13	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.18.2021 21:13	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.18.2021 21:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	114	%	70-135	01.18.2021 21:13	
o-Terphenyl	84-15-1	106	%	70-135	01.18.2021 21:13	

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Landes Pond Release

Sample Id:	**FL 11 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-004	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.18.2021 21:47	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.18.2021 21:47	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.18.2021 21:47	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.18.2021 21:47	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.18.2021 21:47	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.18.2021 21:47	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.18.2021 21:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	01.18.2021 21:47	
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.18.2021 21:47	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 14 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-005	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**19.6**	9.96	mg/kg	01.19.2021 16:24		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.18.2021 21:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.18.2021 21:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.18.2021 21:34	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.18.2021 21:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	01.18.2021 21:34	
o-Terphenyl	84-15-1	98	%	70-135	01.18.2021 21:34	

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Landes Pond Release

Sample Id:	**FL 14 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-005	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.18.2021 22:10	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.18.2021 22:10	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.18.2021 22:10	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.18.2021 22:10	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.18.2021 22:10	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.18.2021 22:10	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.18.2021 22:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	106	%	70-130	01.18.2021 22:10	
4-Bromofluorobenzene	460-00-4	126	%	70-130	01.18.2021 22:10	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 15 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-006	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**70.4**	10.0	mg/kg	01.19.2021 17:34		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.18.2021 21:54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.18.2021 21:54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.18.2021 21:54	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	01.18.2021 21:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-135	01.18.2021 21:54	
o-Terphenyl	84-15-1	108	%	70-135	01.18.2021 21:54	

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Landes Pond Release

Sample Id:	**FL 15 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-006	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.18.2021 22:32	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.18.2021 22:32	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.18.2021 22:32	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.18.2021 22:32	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.18.2021 22:32	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.18.2021 22:32	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.18.2021 22:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	117	%	70-130	01.18.2021 22:32	
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.18.2021 22:32	

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Landes Pond Release

Sample Id:	**FL 16 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-007	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**86.0**	9.92	mg/kg	01.19.2021 17:40		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.18.2021 22:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.18.2021 22:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.18.2021 22:14	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	01.18.2021 22:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	01.18.2021 22:14	
o-Terphenyl	84-15-1	116	%	70-135	01.18.2021 22:14	

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Landes Pond Release

Sample Id:	**FL 16 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-007	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.18.2021 22:54	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.18.2021 22:54	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.18.2021 22:54	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.18.2021 22:54	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.18.2021 22:54	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.18.2021 22:54	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.18.2021 22:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.18.2021 22:54	
1,4-Difluorobenzene	540-36-3	108	%	70-130	01.18.2021 22:54	

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Landes Pond Release

Sample Id:	**FL 17 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-008	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**102**	10.1	mg/kg	01.20.2021 12:44		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.18.2021 22:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.18.2021 22:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.18.2021 22:34	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.18.2021 22:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	123	%	70-135	01.18.2021 22:34	
o-Terphenyl	84-15-1	112	%	70-135	01.18.2021 22:34	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 17 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-008	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.18.2021 23:17	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.18.2021 23:17	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.18.2021 23:17	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.18.2021 23:17	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.18.2021 23:17	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.18.2021 23:17	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.18.2021 23:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	107	%	70-130	01.18.2021 23:17	
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.18.2021 23:17	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 18 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-009	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**104**	9.90	mg/kg	01.20.2021 12:49		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.18.2021 22:54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.18.2021 22:54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.18.2021 22:54	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.18.2021 22:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-135	01.18.2021 22:54	
o-Terphenyl	84-15-1	122	%	70-135	01.18.2021 22:54	

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Landes Pond Release

Sample Id:	**FL 18 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-009	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.18.2021 23:39	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.18.2021 23:39	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.18.2021 23:39	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.18.2021 23:39	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.18.2021 23:39	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.18.2021 23:39	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.18.2021 23:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	125	%	70-130	01.18.2021 23:39	
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.18.2021 23:39	

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Landes Pond Release

Sample Id: **EW3** Matrix: Soil Date Received:01.18.2021 15:56

Lab Sample Id: 685118-010 Date Collected: 01.18.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 01.19.2021 15:00 % Moisture:

Seq Number: 3148336 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**53.9**	9.98	mg/kg	01.19.2021 17:57		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: CAC

Analyst: CAC Date Prep: 01.18.2021 17:30 % Moisture:

Seq Number: 3148175 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.18.2021 23:15	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.18.2021 23:15	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.18.2021 23:15	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.18.2021 23:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	121	%	70-135	01.18.2021 23:15	
o-Terphenyl	84-15-1	98	%	70-135	01.18.2021 23:15	

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Landes Pond Release

Sample Id:	**EW3**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-010	Date Collected:	01.18.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.19.2021 00:02	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.19.2021 00:02	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.19.2021 00:02	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.19.2021 00:02	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.19.2021 00:02	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.19.2021 00:02	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.19.2021 00:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	70-130	01.19.2021 00:02	
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.19.2021 00:02	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 12 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-011	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**789**	10.0	mg/kg	01.19.2021 18:03		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.18.2021 23:55	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.18.2021 23:55	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.18.2021 23:55	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.18.2021 23:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-135	01.18.2021 23:55	
o-Terphenyl	84-15-1	122	%	70-135	01.18.2021 23:55	

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Landes Pond Release

Sample Id:	**FL 12 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-011	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.19.2021 01:21	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.19.2021 01:21	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.19.2021 01:21	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.19.2021 01:21	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.19.2021 01:21	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.19.2021 01:21	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.19.2021 01:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	70-130	01.19.2021 01:21	
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.19.2021 01:21	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 13 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-012	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**597**	10.1	mg/kg	01.19.2021 18:20		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.19.2021 00:16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.19.2021 00:16	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.19.2021 00:16	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.19.2021 00:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	114	%	70-135	01.19.2021 00:16	
o-Terphenyl	84-15-1	107	%	70-135	01.19.2021 00:16	

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Landes Pond Release

Sample Id:	**FL 13 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-012	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.19.2021 01:44	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.19.2021 01:44	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.19.2021 01:44	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.19.2021 01:44	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.19.2021 01:44	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.19.2021 01:44	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.19.2021 01:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	70-130	01.19.2021 01:44	
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.19.2021 01:44	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 19 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-013	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**113**	9.90	mg/kg	01.19.2021 18:25		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.19.2021 00:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.19.2021 00:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.19.2021 00:36	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.19.2021 00:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	01.19.2021 00:36	
o-Terphenyl	84-15-1	101	%	70-135	01.19.2021 00:36	

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Landes Pond Release

Sample Id:	**FL 19 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-013	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.19.2021 02:06	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.19.2021 02:06	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.19.2021 02:06	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.19.2021 02:06	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.19.2021 02:06	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.19.2021 02:06	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.19.2021 02:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	125	%	70-130	01.19.2021 02:06	
1,4-Difluorobenzene	540-36-3	106	%	70-130	01.19.2021 02:06	

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Landes Pond Release

Sample Id:	**FL 20 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-014	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**139**	9.98	mg/kg	01.19.2021 18:42		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.19.2021 00:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.19.2021 00:56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.19.2021 00:56	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.19.2021 00:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	123	%	70-135	01.19.2021 00:56	
o-Terphenyl	84-15-1	113	%	70-135	01.19.2021 00:56	

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Landes Pond Release

Sample Id:	**FL 20 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-014	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.19.2021 02:29	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.19.2021 02:29	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.19.2021 02:29	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.19.2021 02:29	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.19.2021 02:29	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.19.2021 02:29	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.19.2021 02:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	93	%	70-130	01.19.2021 02:29	
4-Bromofluorobenzene	460-00-4	104	%	70-130	01.19.2021 02:29	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 21 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-015	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**117**	9.96	mg/kg	01.19.2021 18:48		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	01.19.2021 01:16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	01.19.2021 01:16	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	01.19.2021 01:16	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	01.19.2021 01:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-135	01.19.2021 01:16	
o-Terphenyl	84-15-1	98	%	70-135	01.19.2021 01:16	

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Certificate of Analytical Results 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 21 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-015	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.19.2021 02:51	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.19.2021 02:51	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.19.2021 02:51	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.19.2021 02:51	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.19.2021 02:51	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.19.2021 02:51	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.19.2021 02:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	01.19.2021 02:51	
4-Bromofluorobenzene	460-00-4	117	%	70-130	01.19.2021 02:51	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 22 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-016	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**104**	10.0	mg/kg	01.19.2021 18:54		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.19.2021 01:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.19.2021 01:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.19.2021 01:36	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.19.2021 01:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	01.19.2021 01:36	
o-Terphenyl	84-15-1	99	%	70-135	01.19.2021 01:36	

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Landes Pond Release

Sample Id:	**FL 22 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-016	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.19.2021 03:14	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.19.2021 03:14	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.19.2021 03:14	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.19.2021 03:14	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.19.2021 03:14	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.19.2021 03:14	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.19.2021 03:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	122	%	70-130	01.19.2021 03:14	
1,4-Difluorobenzene	540-36-3	107	%	70-130	01.19.2021 03:14	

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Landes Pond Release

Sample Id:	**FL 23 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-017	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**122**	10.0	mg/kg	01.19.2021 18:59		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.19.2021 01:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.19.2021 01:56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.19.2021 01:56	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.19.2021 01:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	01.19.2021 01:56	
o-Terphenyl	84-15-1	94	%	70-135	01.19.2021 01:56	

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Landes Pond Release

Sample Id:	**FL 23 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-017	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.19.2021 03:36	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.19.2021 03:36	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.19.2021 03:36	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.19.2021 03:36	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.19.2021 03:36	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.19.2021 03:36	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.19.2021 03:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.19.2021 03:36	
1,4-Difluorobenzene	540-36-3	106	%	70-130	01.19.2021 03:36	

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Landes Pond Release

Sample Id:	**FL 24 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-018	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**96.3**	10.0	mg/kg	01.19.2021 19:05		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.19.2021 02:16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.19.2021 02:16	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.19.2021 02:16	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.19.2021 02:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	126	%	70-135	01.19.2021 02:16	
o-Terphenyl	84-15-1	120	%	70-135	01.19.2021 02:16	

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Landes Pond Release

Sample Id:	**FL 24 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-018	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.19.2021 03:59	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.19.2021 03:59	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.19.2021 03:59	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.19.2021 03:59	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.19.2021 03:59	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.19.2021 03:59	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.19.2021 03:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	127	%	70-130	01.19.2021 03:59	
1,4-Difluorobenzene	540-36-3	103	%	70-130	01.19.2021 03:59	

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Landes Pond Release

Sample Id:	**FL 25 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-019	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**380**	9.94	mg/kg	01.19.2021 19:11		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.19.2021 02:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.19.2021 02:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.19.2021 02:36	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.19.2021 02:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	01.19.2021 02:36	
o-Terphenyl	84-15-1	114	%	70-135	01.19.2021 02:36	

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Landes Pond Release

Sample Id:	**FL 25 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-019	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.19.2021 04:21	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.19.2021 04:21	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.19.2021 04:21	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.19.2021 04:21	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.19.2021 04:21	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.19.2021 04:21	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.19.2021 04:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	115	%	70-130	01.19.2021 04:21	
1,4-Difluorobenzene	540-36-3	102	%	70-130	01.19.2021 04:21	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 26 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-020	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 15:00	% Moisture:	
Seq Number:	3148336			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**407**	10.1	mg/kg	01.19.2021 19:16		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148175			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.19.2021 02:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.19.2021 02:56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.19.2021 02:56	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.19.2021 02:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-135	01.19.2021 02:56	
o-Terphenyl	84-15-1	105	%	70-135	01.19.2021 02:56	

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Landes Pond Release

Sample Id:	**FL 26 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-020	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148182			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.19.2021 04:44	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.19.2021 04:44	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.19.2021 04:44	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.19.2021 04:44	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.19.2021 04:44	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.19.2021 04:44	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.19.2021 04:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.19.2021 04:44	
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.19.2021 04:44	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 27 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-021	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 12:08	% Moisture:	
Seq Number:	3148342			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**364**	9.90	mg/kg	01.19.2021 19:50		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148174			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.18.2021 21:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.18.2021 21:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.18.2021 21:34	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.18.2021 21:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-135	01.18.2021 21:34	
o-Terphenyl	84-15-1	105	%	70-135	01.18.2021 21:34	

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Landes Pond Release

Sample Id:	**FL 27 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-021	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148183			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.19.2021 01:33	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.19.2021 01:33	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.19.2021 01:33	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.19.2021 01:33	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.19.2021 01:33	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.19.2021 01:33	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.19.2021 01:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	97	%	70-130	01.19.2021 01:33	
4-Bromofluorobenzene	460-00-4	87	%	70-130	01.19.2021 01:33	

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Certificate of Analytical Results 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 28 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-022	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 12:08	% Moisture:	
Seq Number:	3148342			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**387**	10.0	mg/kg	01.19.2021 20:07		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148174			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.18.2021 21:54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.18.2021 21:54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.18.2021 21:54	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.18.2021 21:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	01.18.2021 21:54	
o-Terphenyl	84-15-1	113	%	70-135	01.18.2021 21:54	

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Certificate of Analytical Results 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 28 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-022	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148183			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.19.2021 01:55	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.19.2021 01:55	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.19.2021 01:55	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.19.2021 01:55	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.19.2021 01:55	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.19.2021 01:55	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.19.2021 01:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.19.2021 01:55	
4-Bromofluorobenzene	460-00-4	93	%	70-130	01.19.2021 01:55	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**EW 4**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-023	Date Collected:	01.18.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 12:08	% Moisture:	
Seq Number:	3148342			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**247**	10.0	mg/kg	01.19.2021 20:13		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148174			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.18.2021 22:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.18.2021 22:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.18.2021 22:14	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.18.2021 22:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	01.18.2021 22:14	
o-Terphenyl	84-15-1	117	%	70-135	01.18.2021 22:14	

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Certificate of Analytical Results 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**EW 4**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-023	Date Collected:	01.18.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148183			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.19.2021 02:18	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.19.2021 02:18	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.19.2021 02:18	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.19.2021 02:18	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.19.2021 02:18	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.19.2021 02:18	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.19.2021 02:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	01.19.2021 02:18	
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.19.2021 02:18	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 29 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-024	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 12:08	% Moisture:	
Seq Number:	3148342			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**203**	10.0	mg/kg	01.19.2021 20:19		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148174			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.18.2021 22:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.18.2021 22:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.18.2021 22:34	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.18.2021 22:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	121	%	70-135	01.18.2021 22:34	
o-Terphenyl	84-15-1	99	%	70-135	01.18.2021 22:34	

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Landes Pond Release

Sample Id:	**FL 29 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-024	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148183			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.19.2021 02:40	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.19.2021 02:40	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.19.2021 02:40	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.19.2021 02:40	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.19.2021 02:40	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.19.2021 02:40	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.19.2021 02:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	91	%	70-130	01.19.2021 02:40	
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.19.2021 02:40	

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Landes Pond Release

Sample Id:	**FL30 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-025	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 12:08	% Moisture:	
Seq Number:	3148342			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**159**	10.0	mg/kg	01.19.2021 20:24		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148174			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.18.2021 22:54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.18.2021 22:54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.18.2021 22:54	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.18.2021 22:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-135	01.18.2021 22:54	
o-Terphenyl	84-15-1	120	%	70-135	01.18.2021 22:54	

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Landes Pond Release

Sample Id:	**FL30 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-025	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148183			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.19.2021 03:02	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.19.2021 03:02	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.19.2021 03:02	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.19.2021 03:02	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.19.2021 03:02	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.19.2021 03:02	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.19.2021 03:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	01.19.2021 03:02	
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.19.2021 03:02	

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Landes Pond Release

Sample Id:	**FL 31 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-026	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 12:08	% Moisture:	
Seq Number:	3148342			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**131**	9.90	mg/kg	01.19.2021 20:42		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148174			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	01.18.2021 23:15	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	01.18.2021 23:15	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	01.18.2021 23:15	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	01.18.2021 23:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	01.18.2021 23:15	
o-Terphenyl	84-15-1	109	%	70-135	01.18.2021 23:15	

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Landes Pond Release

Sample Id:	**FL 31 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-026	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148183			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.19.2021 03:25	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.19.2021 03:25	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.19.2021 03:25	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.19.2021 03:25	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.19.2021 03:25	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.19.2021 03:25	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.19.2021 03:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	01.19.2021 03:25	
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.19.2021 03:25	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 32 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-027	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 12:08	% Moisture:	
Seq Number:	3148342			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**151**	9.98	mg/kg	01.19.2021 20:47		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148174			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.18.2021 23:55	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.18.2021 23:55	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.18.2021 23:55	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.18.2021 23:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	123	%	70-135	01.18.2021 23:55	
o-Terphenyl	84-15-1	115	%	70-135	01.18.2021 23:55	

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Landes Pond Release

Sample Id:	**FL 32 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-027	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148183			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.19.2021 03:47	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.19.2021 03:47	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.19.2021 03:47	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.19.2021 03:47	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.19.2021 03:47	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.19.2021 03:47	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.19.2021 03:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	01.19.2021 03:47	
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.19.2021 03:47	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 33 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-028	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 12:08	% Moisture:	
Seq Number:	3148342			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**179**	9.90	mg/kg	01.19.2021 20:53		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148174			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.19.2021 00:16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.19.2021 00:16	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.19.2021 00:16	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.19.2021 00:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	01.19.2021 00:16	
o-Terphenyl	84-15-1	105	%	70-135	01.19.2021 00:16	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 33 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-028	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148183			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.19.2021 04:10	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.19.2021 04:10	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.19.2021 04:10	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.19.2021 04:10	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.19.2021 04:10	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.19.2021 04:10	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.19.2021 04:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	91	%	70-130	01.19.2021 04:10	
1,4-Difluorobenzene	540-36-3	99	%	70-130	01.19.2021 04:10	

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Certificate of Analytical Results 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 34 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-029	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 12:08	% Moisture:	
Seq Number:	3148342			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**404**	9.98	mg/kg	01.19.2021 20:58		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148174			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.19.2021 00:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.19.2021 00:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.19.2021 00:36	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.19.2021 00:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-135	01.19.2021 00:36	
o-Terphenyl	84-15-1	107	%	70-135	01.19.2021 00:36	

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Certificate of Analytical Results 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 34 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-029	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148183			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.19.2021 04:32	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.19.2021 04:32	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.19.2021 04:32	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.19.2021 04:32	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.19.2021 04:32	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.19.2021 04:32	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.19.2021 04:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	91	%	70-130	01.19.2021 04:32	
1,4-Difluorobenzene	540-36-3	99	%	70-130	01.19.2021 04:32	

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Certificate of Analytical Results 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 35 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-030	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 12:08	% Moisture:	
Seq Number:	3148342			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**111**	10.0	mg/kg	01.19.2021 21:04		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148174			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.19.2021 00:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.19.2021 00:56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.19.2021 00:56	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.19.2021 00:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	118	%	70-135	01.19.2021 00:56	
o-Terphenyl	84-15-1	115	%	70-135	01.19.2021 00:56	

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Certificate of Analytical Results 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 35 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-030	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148183			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.19.2021 04:54	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.19.2021 04:54	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.19.2021 04:54	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.19.2021 04:54	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.19.2021 04:54	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.19.2021 04:54	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.19.2021 04:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	01.19.2021 04:54	
4-Bromofluorobenzene	460-00-4	94	%	70-130	01.19.2021 04:54	

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Certificate of Analytical Results 685118

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 36 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-031	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 12:08	% Moisture:	
Seq Number:	3148342			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**92.2**	9.98	mg/kg	01.19.2021 21:10		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148174			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.19.2021 01:16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.19.2021 01:16	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.19.2021 01:16	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.19.2021 01:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
o-Terphenyl	84-15-1	120	%	70-135	01.19.2021 01:16	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 36 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-031	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148183			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.19.2021 06:12	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.19.2021 06:12	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.19.2021 06:12	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.19.2021 06:12	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.19.2021 06:12	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.19.2021 06:12	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.19.2021 06:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	87	%	70-130	01.19.2021 06:12	
1,4-Difluorobenzene	540-36-3	97	%	70-130	01.19.2021 06:12	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 37 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-032	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 12:08	% Moisture:	
Seq Number:	3148342			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**265**	10.1	mg/kg	01.19.2021 21:27		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148174			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.19.2021 01:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.19.2021 01:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.19.2021 01:36	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.19.2021 01:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	01.19.2021 01:36	
o-Terphenyl	84-15-1	112	%	70-135	01.19.2021 01:36	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 37 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-032	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148183			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.19.2021 06:34	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.19.2021 06:34	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.19.2021 06:34	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.19.2021 06:34	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.19.2021 06:34	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.19.2021 06:34	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.19.2021 06:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	88	%	70-130	01.19.2021 06:34	
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.19.2021 06:34	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 38 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-033	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 12:08	% Moisture:	
Seq Number:	3148342			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**68.4**	9.98	mg/kg	01.19.2021 21:33		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.18.2021 17:00	% Moisture:	
Seq Number:	3148174			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.19.2021 01:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.19.2021 01:56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.19.2021 01:56	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.19.2021 01:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	01.19.2021 01:56	
o-Terphenyl	84-15-1	122	%	70-135	01.19.2021 01:56	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 38 @ 2'**	Matrix:	Soil	Date Received:	01.18.2021 15:56
Lab Sample Id:	685118-033	Date Collected:	01.18.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.18.2021 17:30	% Moisture:	
Seq Number:	3148183			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.19.2021 06:57	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.19.2021 06:57	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.19.2021 06:57	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.19.2021 06:57	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.19.2021 06:57	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.19.2021 06:57	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.19.2021 06:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	01.19.2021 06:57	
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.19.2021 06:57	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 685118

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148342 — Matrix: Solid — Date Prep: 01.19.2021
MB Sample Id: 7719558-1-BLK — LCS Sample Id: 7719558-1-BKS — LCSD Sample Id: 7719558-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	200	211	106	207	104	90-110	2	20	mg/kg	01.19.2021 19:39	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148336 — Matrix: Solid — Date Prep: 01.19.2021
MB Sample Id: 7719557-1-BLK — LCS Sample Id: 7719557-1-BKS — LCSD Sample Id: 7719557-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	200	212	106	208	104	90-110	2	20	mg/kg	01.19.2021 15:39	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148342 — Matrix: Soil — Date Prep: 01.19.2021
Parent Sample Id: 685118-021 — MS Sample Id: 685118-021 S — MSD Sample Id: 685118-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	364	198	574	106	584	109	90-110	2	20	mg/kg	01.19.2021 19:56	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148342 — Matrix: Soil — Date Prep: 01.19.2021
Parent Sample Id: 685118-031 — MS Sample Id: 685118-031 S — MSD Sample Id: 685118-031 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	92.2	202	309	107	303	105	90-110	2	20	mg/kg	01.19.2021 21:15	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148336 — Matrix: Soil — Date Prep: 01.19.2021
Parent Sample Id: 685118-001 — MS Sample Id: 685118-001 S — MSD Sample Id: 685118-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	36.1	201	247	105	244	105	90-110	1	20	mg/kg	01.19.2021 15:56	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148336 — Matrix: Soil — Date Prep: 01.19.2021
Parent Sample Id: 685118-011 — MS Sample Id: 685118-011 S — MSD Sample Id: 685118-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	789	202	998	103	993	102	90-110	1	20	mg/kg	01.19.2021 18:08	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 685118

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148174 — Matrix: Solid — Date Prep: 01.18.2021
MB Sample Id: 7719459-1-BLK — LCS Sample Id: 7719459-1-BKS — LCSD Sample Id: 7719459-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1030	103	1170	117	70-135	13	35	mg/kg	01.18.2021 18:52	
Diesel Range Organics (DRO)	<50.0	1000	1150	115	1030	103	70-135	11	35	mg/kg	01.18.2021 18:52	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	99		95		108		70-135	%	01.18.2021 18:52
o-Terphenyl	95		99		115		70-135	%	01.18.2021 18:52

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148175 — Matrix: Solid — Date Prep: 01.18.2021
MB Sample Id: 7719462-1-BLK — LCS Sample Id: 7719462-1-BKS — LCSD Sample Id: 7719462-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	997	100	1030	103	70-135	3	35	mg/kg	01.18.2021 18:52	
Diesel Range Organics (DRO)	<50.0	1000	976	98	912	91	70-135	7	35	mg/kg	01.18.2021 18:52	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	96		93		118		70-135	%	01.18.2021 18:52
o-Terphenyl	102		92		118		70-135	%	01.18.2021 18:52

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148174 — Matrix: Solid — Date Prep: 01.18.2021
MB Sample Id: 7719459-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.18.2021 18:32	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148175 — Matrix: Solid — Date Prep: 01.18.2021
MB Sample Id: 7719462-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.18.2021 18:32	

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 685118

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Landes Pond Release

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148174 — Matrix: Soil — Date Prep: 01.18.2021
Parent Sample Id: 684907-041 — MS Sample Id: 684907-041 S — MSD Sample Id: 684907-041 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	942	94	954	96	70-135	1	35	mg/kg	01.18.2021 19:53	
Diesel Range Organics (DRO)	<49.9	997	924	93	922	93	70-135	0	35	mg/kg	01.18.2021 19:53	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	98		108		70-135	%	01.18.2021 19:53
o-Terphenyl	93		119		70-135	%	01.18.2021 19:53

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148175 — Matrix: Soil — Date Prep: 01.18.2021
Parent Sample Id: 685118-001 — MS Sample Id: 685118-001 S — MSD Sample Id: 685118-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	1220	122	1230	123	70-135	1	35	mg/kg	01.18.2021 19:53	
Diesel Range Organics (DRO)	<49.9	997	1140	114	1040	104	70-135	9	35	mg/kg	01.18.2021 19:53	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	108		112		70-135	%	01.18.2021 19:53
o-Terphenyl	103		109		70-135	%	01.18.2021 19:53

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3148182 — Matrix: Solid — Date Prep: 01.18.2021
MB Sample Id: 7719433-1-BLK — LCS Sample Id: 7719433-1-BKS — LCSD Sample Id: 7719433-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.100	100	0.0939	94	70-130	6	35	mg/kg	01.18.2021 18:36	
Toluene	<0.00200	0.100	0.0941	94	0.0899	90	70-130	5	35	mg/kg	01.18.2021 18:36	
Ethylbenzene	<0.00200	0.100	0.100	100	0.0950	95	71-129	5	35	mg/kg	01.18.2021 18:36	
m,p-Xylenes	<0.00400	0.200	0.207	104	0.197	99	70-135	5	35	mg/kg	01.18.2021 18:36	
o-Xylene	<0.00200	0.100	0.100	100	0.0979	98	71-133	2	35	mg/kg	01.18.2021 18:36	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		97		98		70-130	%	01.18.2021 18:36
4-Bromofluorobenzene	113		105		107		70-130	%	01.18.2021 18:36

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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QC Summary 685118

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Landes Pond Release

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3148183 — Matrix: Solid — Date Prep: 01.18.2021
MB Sample Id: 7719434-1-BLK — LCS Sample Id: 7719434-1-BKS — LCSD Sample Id: 7719434-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.108	108	0.104	104	70-130	4	35	mg/kg	01.18.2021 23:30	
Toluene	<0.00200	0.100	0.103	103	0.0992	99	70-130	4	35	mg/kg	01.18.2021 23:30	
Ethylbenzene	<0.00200	0.100	0.0939	94	0.0921	92	71-129	2	35	mg/kg	01.18.2021 23:30	
m,p-Xylenes	<0.00400	0.200	0.190	95	0.188	94	70-135	1	35	mg/kg	01.18.2021 23:30	
o-Xylene	<0.00200	0.100	0.0948	95	0.0923	92	71-133	3	35	mg/kg	01.18.2021 23:30	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	97		96		94		70-130	%	01.18.2021 23:30
4-Bromofluorobenzene	87		85		85		70-130	%	01.18.2021 23:30

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3148182 — Matrix: Soil — Date Prep: 01.18.2021
Parent Sample Id: 685118-001 — MS Sample Id: 685118-001 S — MSD Sample Id: 685118-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0943	94	0.0949	95	70-130	1	35	mg/kg	01.18.2021 19:21	
Toluene	<0.00200	0.100	0.0831	83	0.0895	90	70-130	7	35	mg/kg	01.18.2021 19:21	
Ethylbenzene	<0.00200	0.100	0.0831	83	0.0952	95	71-129	14	35	mg/kg	01.18.2021 19:21	
m,p-Xylenes	<0.00401	0.200	0.169	85	0.193	97	70-135	13	35	mg/kg	01.18.2021 19:21	
o-Xylene	<0.00200	0.100	0.0876	88	0.0979	98	71-133	11	35	mg/kg	01.18.2021 19:21	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104		100		70-130	%	01.18.2021 19:21
4-Bromofluorobenzene	113		114		70-130	%	01.18.2021 19:21

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3148183 — Matrix: Soil — Date Prep: 01.18.2021
Parent Sample Id: 685118-021 — MS Sample Id: 685118-021 S — MSD Sample Id: 685118-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.102	102	0.0961	96	70-130	6	35	mg/kg	01.19.2021 00:15	
Toluene	<0.00200	0.0998	0.0981	98	0.0910	91	70-130	8	35	mg/kg	01.19.2021 00:15	
Ethylbenzene	<0.00200	0.0998	0.0913	91	0.0816	82	71-129	11	35	mg/kg	01.19.2021 00:15	
m,p-Xylenes	<0.00399	0.200	0.184	92	0.164	82	70-135	11	35	mg/kg	01.19.2021 00:15	
o-Xylene	<0.00200	0.0998	0.0919	92	0.0812	81	71-133	12	35	mg/kg	01.19.2021 00:15	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	94		94		70-130	%	01.19.2021 00:15
4-Bromofluorobenzene	89		89		70-130	%	01.19.2021 00:15

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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Chain of Custody

XENCO

Work Order No: 685118

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Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
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Page 1 of 2

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Solaris
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/US ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☑
Project Location	Rural Eddy county	Rush:	☐
Sampler's Name:	Miguel Ramirez	Due Date:	1-18-21
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes / No	Wet Ice:	Yes / No
Temperature (°C):	2.8/2.6	Thermometer ID	T_NM-007
Received Intact:	Yes / No		
Cooler Custody Seals:	Yes / No / N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes / No / N/A	Total Containers:	33

ANALYSIS REQUEST

Preservative Codes

HNO3: HN
H2SO4: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day received by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005	Sample Comments
NW1	S	1-18-21		-	1	X	X	X		
NWW1	S	1-18-21		-	1	X	X	X		
NWW2	S	1-18-21		-	1	X	X	X		
FL 11@2'	S	1-18-21		2'	1	X	X	X		
FL 14@2'	S	1-18-21		2'	1	X	X	X		
FL 15@2'	S	1-18-21		2'	1	X	X	X		
FL 16@2'	S	1-18-21		2'	1	X	X	X		
FL 17@2'	S	1-18-21		2'	1	X	X	X		
FL 18@2'	S	1-18-21		2'	1	X	X	X		
EW 3	S	1-18-21		-	1	X	X	X		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Joe Cuffe	1-18-21 1556	2		
3			4		
5			6		

Revised Date 081419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
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Chain of Custody

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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 685118

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Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Solaris
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etecheny.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/US ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☑
Project Location	Rural Eddy county	Rush:	☐
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):			Thermometer ID	
Received Intact:	Yes No		See Page 1	
Cooler Custody Seals:	Yes No N/A		Correction Factor:	
Sample Custody Seals:	Yes No N/A		Total Containers:	

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day received by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005	Sample Comments
FL12@2'	S	1-18-21		2'	1	X	X	X		
FL13@2'	S	1-18-21		2'	1	X	X	X		
FL19@2'	S	1-18-21		2'	1	X	X	X		
FL20@2'	S	1-18-21		2'	1	X	X	X		
FL21@2'	S	1-18-21		2'	1	X	X	X		
FL22@2'	S	1-18-21		2'	1	X	X	X		
FL23@2'	S	1-18-21		2'	1	X	X	X		
FL24@2'	S	1-18-21		2'	1	X	X	X		
FL25@2'	S	1-18-21		2'	1	X	X	X		
FL26@2'	S	1-18-21		2'	1	X	X	X		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Cue Cuptos	1-18-21 1656	2		
3			4		
5			6		

Revised Date 10.14.19 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
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Work Order No: 685118

Page 3 of 4

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Solaris
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Cardes Pond Release	Turn Around	
Project Number:	13261	Routine:	☑
Project Location	Rural Eddy County	Rush:	☐
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):		Thermometer ID		
Received Intact:	Yes No	See Page		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

ANALYSIS REQUEST

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day received by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005	Sample Comments
FL27@2'	S	1.18.21		2'	S	X	X	X		
FL28@2'	S	1.18.21		2'	S	X	X	X		
EW 4	S	1.18.21		–	S	X	X	X		
FL29@2'	S	1.18.21		2'	S	X	X	X		
FL30@2'	S	1.18.21		2'	S	X	X	X		
FL31@2'	S	1.18.21		2'	S	X	X	X		
FL32@2'	S	1.18.21		2'	S	X	X	X		
FL33@2'	S	1.18.21		2'	S	X	X	X		
FL34@2'	S	1.18.21		2'	S	X	X	X		
FL35@2'	S	1.18.21		2'	S	X	X	X		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Cloe Clifton	1.18.21 1556	2		
3			4		
5			6		

Revised Date 08.14.19 Rev 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
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Midland, TX (432) 704-5440, El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Solaris
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechenv.com + Client

Work Order Comments

Program: UST/PST [ ] PRP [ ] Brownfields [ ] RRC [ ] Superfund [ ]
State of Project:
Reporting: Level II [ ] Level III [ ] PST/UST [ ] TRRP [ ] Level IV [ ]
Deliverables: EDD [ ] ADaPT [ ] Other:

Project Name:	Landa Pond Release	Turn Around	
Project Number:	13261	Routine:	☑
Project Location	Rural Eddy county	Rush:	[ ]
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			

SAMPLE RECEIPT	Temp Blank: Yes No	Wet Ice: Yes No	
Temperature (°C):		Thermometer ID	
Received Intact:	Yes No	See Page 1	
Cooler Custody Seals:	Yes No N/A	Correction Factor: 0	
Sample Custody Seals:	Yes No N/A	Total Containers:	

ANALYSIS REQUEST

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day received by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005	Sample Comments
FC36@2'	S	1-18-21		2'	1	X	X	X		
FC37@2'	S	1-18-21		2'	1	X	X	X		
FC38@2'	S	1-18-21		2'	1	X	X	X		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	[signature]	Cee Clifton	1-18-21 1556	2		
3				4		
5				6		

Revised Date 08 14 19 Rev 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
Page 85 of 86

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 01.18.2021 03.56.00 PM

Work Order #: 685118

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	2.6	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	Samples received in bulk containers.
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**No**	
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 01.18.2021

Checklist reviewed by: Jessica Kramer Date: 01.19.2021

Jessica Kramer

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Certificate of Analysis Summary 685263

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Tue 01.19.2021 15:23
Report Date: 01.21.2021 13:20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685263-001		685263-002		685263-003		685263-004		685263-005		685263-006	
	Field Id:	FL 39 @ 2'		FL 40 @ 2'		FL 41 @ 3'		FL 42 @ 3'		FL 43 @ 3'		FL 44 @ 3'	
	Depth:	2- ft		2- ft		3- ft		3- ft		3- ft		3- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.19.2021 00:00		01.19.2021 00:00		01.19.2021 00:00		01.19.2021 00:00		01.19.2021 00:00		01.19.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.19.2021 17:03		01.19.2021 17:03		01.19.2021 17:03		01.19.2021 17:03		01.19.2021 17:03		01.19.2021 17:03	
	Analyzed:	01.19.2021 19:54		01.19.2021 20:17		01.19.2021 20:39		01.19.2021 21:02		01.19.2021 21:24		01.19.2021 21:47	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00196	0.00196	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198
Toluene		<0.00200	0.00200	<0.00196	0.00196	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198
Ethylbenzene		<0.00200	0.00200	<0.00196	0.00196	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198
m,p-Xylenes		<0.00401	0.00401	<0.00392	0.00392	<0.00397	0.00397	<0.00401	0.00401	<0.00402	0.00402	<0.00397	0.00397
o-Xylene		<0.00200	0.00200	<0.00196	0.00196	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198
Total Xylenes		<0.00200	0.00200	<0.00196	0.00196	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198
Total BTEX		<0.00200	0.00200	<0.00196	0.00196	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198
Inorganic Anions by EPA 300	***Extracted:***	01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00	
	Analyzed:	01.20.2021 00:46		01.20.2021 01:03		01.20.2021 01:08		01.20.2021 01:14		01.20.2021 01:20		01.20.2021 01:37	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		106	49.6	114	10.0	113	99.4	99.9	10.1	120	99.2	117	10.1
TPH by SW8015 Mod	***Extracted:***	01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00	
	Analyzed:	01.19.2021 19:42		01.19.2021 20:43		01.19.2021 21:03		01.19.2021 21:23		01.19.2021 21:43		01.19.2021 22:03	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.2	50.2	<50.1	50.1	<49.8	49.8	<50.2	50.2	<49.8	49.8	<50.1	50.1
Diesel Range Organics (DRO)		<50.2	50.2	<50.1	50.1	<49.8	49.8	<50.2	50.2	<49.8	49.8	<50.1	50.1
Motor Oil Range Hydrocarbons (MRO)		<50.2	50.2	<50.1	50.1	<49.8	49.8	<50.2	50.2	<49.8	49.8	<50.1	50.1
Total TPH		<50.2	50.2	<50.1	50.1	<49.8	49.8	<50.2	50.2	<49.8	49.8	<50.1	50.1

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 685263

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Tue 01.19.2021 15:23
Report Date: 01.21.2021 13:20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685263-007		685263-008		685263-009		685263-010		685263-011		685263-012	
	Field Id:	FL 45 @ 2'		FL 46 @ 2'		FL 47@ 2'		FL 48@ 2'		FL 49@ 2'		FL 50@ 2'	
	Depth:	2- ft		2- ft		2- ft		2- ft		2- ft		2- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.19.2021 00:00		01.19.2021 00:00		01.19.2021 00:00		01.19.2021 00:00		01.19.2021 00:00		01.19.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.19.2021 17:03		01.19.2021 17:03		01.19.2021 17:03		01.19.2021 17:03		01.19.2021 17:03		01.19.2021 17:03	
	Analyzed:	01.19.2021 22:09		01.19.2021 22:31		01.19.2021 22:54		01.19.2021 23:16		01.20.2021 00:36		01.20.2021 00:58	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199
Toluene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199
m,p-Xylenes		<0.00399	0.00399	<0.00399	0.00399	<0.00401	0.00401	<0.00402	0.00402	<0.00403	0.00403	<0.00398	0.00398
o-Xylene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199
Total Xylenes		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199
Total BTEX		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199
Inorganic Anions by EPA 300	***Extracted:***	01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00	
	Analyzed:	01.20.2021 01:42		01.20.2021 01:48		01.20.2021 01:54		01.20.2021 01:59		01.20.2021 02:05		01.20.2021 02:22	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		103	99.4	112	10.1	110	100	144	100	123	49.9	159	99.6
TPH by SW8015 Mod	***Extracted:***	01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00		01.20.2021 17:00		01.20.2021 17:00	
	Analyzed:	01.19.2021 22:23		01.19.2021 22:43		01.19.2021 23:03		01.19.2021 23:23		** ** ** **		** ** ** **	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.2	50.2	<50.2	50.2	<50.3	50.3	<50.1	50.1	<49.9	49.9	<50.2	50.2
Diesel Range Organics (DRO)		<50.2	50.2	<50.2	50.2	<50.3	50.3	<50.1	50.1	<49.9	49.9	<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)		<50.2	50.2	<50.2	50.2	<50.3	50.3	<50.1	50.1	<49.9	49.9	<50.2	50.2
Total TPH		<50.2	50.2	<50.2	50.2	<50.3	50.3	<50.1	50.1	<49.9	49.9	<50.2	50.2

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 685263

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Tue 01.19.2021 15:23
Report Date: 01.21.2021 13:20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685263-013		685263-014		685263-015		685263-016		685263-017		685263-018	
	Field Id:	FL 51@ 2'		FL 52@ 4'		FL 53@ 4'		FL 54@ 4'		FL 55@ 4'		FL 56@ 4'	
	Depth:	2- ft		4- ft		4- ft		4- ft		4- ft		4- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.19.2021 00:00		01.19.2021 00:00		01.19.2021 00:00		01.19.2021 00:00		01.19.2021 00:00		01.19.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.19.2021 17:03		01.19.2021 17:03		01.19.2021 17:03		01.19.2021 17:03		01.19.2021 17:03		01.19.2021 17:03	
	Analyzed:	01.20.2021 01:21		01.20.2021 01:43		01.20.2021 02:05		01.20.2021 02:28		01.20.2021 02:50		01.20.2021 03:13	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200
Toluene		<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200
Ethylbenzene		<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200
m,p-Xylenes		<0.00398	0.00398	<0.00397	0.00397	<0.00396	0.00396	<0.00402	0.00402	<0.00403	0.00403	<0.00399	0.00399
o-Xylene		<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200
Total Xylenes		<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200
Total BTEX		<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200
Inorganic Anions by EPA 300	***Extracted:***	01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00		01.19.2021 17:00	
	Analyzed:	01.20.2021 02:28		01.20.2021 02:45		01.20.2021 02:50		01.20.2021 02:56		01.20.2021 03:02		01.20.2021 03:07	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		13.4	10.0	14.1	9.96	15.1	9.90	10.6	9.94	15.2	10.0	16.2	9.94
TPH by SW8015 Mod	***Extracted:***	01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00	
	Analyzed:	** ** ** **		** ** ** **		** ** ** **		** ** ** **		** ** ** **		** ** ** **	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<50.1	50.1	<49.8	49.8	<49.9	49.9	<50.0	50.0
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9	<50.1	50.1	<49.8	49.8	<49.9	49.9	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<50.1	50.1	<49.8	49.8	<49.9	49.9	<50.0	50.0
Total TPH		<50.0	50.0	<49.9	49.9	<50.1	50.1	<49.8	49.8	<49.9	49.9	<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 685263

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Tue 01.19.2021 15:23
Report Date: 01.21.2021 13:20
Project Manager: Jessica Kramer

Analysis Requested							
	Lab Id:	685263-019		685263-020			
	Field Id:	FL 57@ 2'		FL 58@ 2'			
	Depth:	2- ft		2- ft			
	Matrix:	SOIL		SOIL			
	Sampled:	01.19.2021 00:00		01.19.2021 00:00			
BTEX by EPA 8021B	***Extracted:***	01.19.2021 17:03		01.19.2021 17:03			
	Analyzed:	01.20.2021 03:35		01.20.2021 03:58			
	Units/RL:	mg/kg	RL	mg/kg	RL		
Benzene		<0.00198	0.00198	<0.00199	0.00199		
Toluene		<0.00198	0.00198	<0.00199	0.00199		
Ethylbenzene		<0.00198	0.00198	<0.00199	0.00199		
m,p-Xylenes		<0.00396	0.00396	<0.00398	0.00398		
o-Xylene		<0.00198	0.00198	<0.00199	0.00199		
Total Xylenes		<0.00198	0.00198	<0.00199	0.00199		
Total BTEX		<0.00198	0.00198	<0.00199	0.00199		
Inorganic Anions by EPA 300	***Extracted:***	01.19.2021 17:00		01.19.2021 17:00			
	Analyzed:	01.20.2021 03:13		01.20.2021 03:19			
	Units/RL:	mg/kg	RL	mg/kg	RL		
Chloride		31.5	10.0	17.2	9.96		
TPH by SW8015 Mod	***Extracted:***	01.20.2021 17:00		01.20.2021 17:00			
	Analyzed:	** ** ** **		** ** ** **			
	Units/RL:	mg/kg	RL	mg/kg	RL		
Gasoline Range Hydrocarbons (GRO)		<50.3	50.3	<50.1	50.1		
Diesel Range Organics (DRO)		<50.3	50.3	<50.1	50.1		
Motor Oil Range Hydrocarbons (MRO)		<50.3	50.3	<50.1	50.1		
Total TPH		<50.3	50.3	<50.1	50.1		

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer

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Analytical Report 685263

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

Landes Pond Release

13261

01.21.2021

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

eurofins | Environment Testing Xenco

01.21.2021

Project Manager: **PM**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **685263**
Landes Pond Release
Project Address: Rural Eddy County

PM :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 685263. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 685263 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 685263

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
FL 39 @ 2'	S	01.19.2021 00:00	2 ft	685263-001
FL 40 @ 2'	S	01.19.2021 00:00	2 ft	685263-002
FL 41 @ 3'	S	01.19.2021 00:00	3 ft	685263-003
FL 42 @ 3'	S	01.19.2021 00:00	3 ft	685263-004
FL 43 @ 3'	S	01.19.2021 00:00	3 ft	685263-005
FL 44 @ 3'	S	01.19.2021 00:00	3 ft	685263-006
FL 45 @ 2'	S	01.19.2021 00:00	2 ft	685263-007
FL 46 @ 2'	S	01.19.2021 00:00	2 ft	685263-008
FL 47@ 2'	S	01.19.2021 00:00	2 ft	685263-009
FL 48@ 2'	S	01.19.2021 00:00	2 ft	685263-010
FL 49@ 2'	S	01.19.2021 00:00	2 ft	685263-011
FL 50@ 2'	S	01.19.2021 00:00	2 ft	685263-012
FL 51@ 2'	S	01.19.2021 00:00	2 ft	685263-013
FL 52@ 4'	S	01.19.2021 00:00	4 ft	685263-014
FL 53@ 4'	S	01.19.2021 00:00	4 ft	685263-015
FL 54@ 4'	S	01.19.2021 00:00	4 ft	685263-016
FL 55@ 4'	S	01.19.2021 00:00	4 ft	685263-017
FL 56@ 4'	S	01.19.2021 00:00	4 ft	685263-018
FL 57@ 2'	S	01.19.2021 00:00	2 ft	685263-019
FL 58@ 2'	S	01.19.2021 00:00	2 ft	685263-020

CASE NARRATIVE

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Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Landes Pond Release

Project ID: *13261*
Work Order Number(s): *685263*

Report Date: *01.21.2021*
Date Received: *01.19.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

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Certificate of Analytical Results 685263

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 39 @ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-001	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**106**	49.6	mg/kg	01.20.2021 00:46		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148334			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.19.2021 19:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.19.2021 19:42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.19.2021 19:42	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	01.19.2021 19:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-135	01.19.2021 19:42	
o-Terphenyl	84-15-1	106	%	70-135	01.19.2021 19:42	

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Certificate of Analytical Results 685263

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 39 @ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-001	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.19.2021 19:54	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.19.2021 19:54	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.19.2021 19:54	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.19.2021 19:54	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.19.2021 19:54	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.19.2021 19:54	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.19.2021 19:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.19.2021 19:54	
4-Bromofluorobenzene	460-00-4	122	%	70-130	01.19.2021 19:54	

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Certificate of Analytical Results 685263

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 40 @ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-002	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**114**	10.0	mg/kg	01.20.2021 16:27		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148334			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.19.2021 20:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.19.2021 20:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.19.2021 20:43	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.19.2021 20:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	01.19.2021 20:43	
o-Terphenyl	84-15-1	98	%	70-135	01.19.2021 20:43	

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Certificate of Analytical Results 685263

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 40 @ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-002	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00196	0.00196	mg/kg	01.19.2021 20:17	U	1
Toluene	108-88-3	<0.00196	0.00196	mg/kg	01.19.2021 20:17	U	1
Ethylbenzene	100-41-4	<0.00196	0.00196	mg/kg	01.19.2021 20:17	U	1
m,p-Xylenes	179601-23-1	<0.00392	0.00392	mg/kg	01.19.2021 20:17	U	1
o-Xylene	95-47-6	<0.00196	0.00196	mg/kg	01.19.2021 20:17	U	1
Total Xylenes	1330-20-7	<0.00196	0.00196	mg/kg	01.19.2021 20:17	U	1
Total BTEX		<0.00196	0.00196	mg/kg	01.19.2021 20:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	117	%	70-130	01.19.2021 20:17	
1,4-Difluorobenzene	540-36-3	102	%	70-130	01.19.2021 20:17	

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Certificate of Analytical Results 685263

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 41 @ 3'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-003	Date Collected:	01.19.2021 00:00	Sample Depth:	3 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**113**	99.4	mg/kg	01.20.2021 01:08		10

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148334			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.19.2021 21:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.19.2021 21:03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.19.2021 21:03	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.19.2021 21:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	01.19.2021 21:03	
o-Terphenyl	84-15-1	92	%	70-135	01.19.2021 21:03	

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Certificate of Analytical Results 685263

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 41 @ 3'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-003	Date Collected:	01.19.2021 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.19.2021 20:39	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.19.2021 20:39	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.19.2021 20:39	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.19.2021 20:39	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.19.2021 20:39	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.19.2021 20:39	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.19.2021 20:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	125	%	70-130	01.19.2021 20:39	
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.19.2021 20:39	

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Certificate of Analytical Results 685263

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 42 @ 3'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-004	Date Collected:	01.19.2021 00:00	Sample Depth:	3 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**99.9**	10.1	mg/kg	01.20.2021 16:33		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148334			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.19.2021 21:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.19.2021 21:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.19.2021 21:23	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	01.19.2021 21:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-135	01.19.2021 21:23	
o-Terphenyl	84-15-1	114	%	70-135	01.19.2021 21:23	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 42 @ 3'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-004	Date Collected:	01.19.2021 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.19.2021 21:02	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.19.2021 21:02	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.19.2021 21:02	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.19.2021 21:02	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.19.2021 21:02	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.19.2021 21:02	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.19.2021 21:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	123	%	70-130	01.19.2021 21:02	
1,4-Difluorobenzene	540-36-3	107	%	70-130	01.19.2021 21:02	

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Certificate of Analytical Results 685263

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 43 @ 3'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-005	Date Collected:	01.19.2021 00:00	Sample Depth:	3 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**120**	99.2	mg/kg	01.20.2021 01:20		10

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148334			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.19.2021 21:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.19.2021 21:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.19.2021 21:43	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.19.2021 21:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	01.19.2021 21:43	
o-Terphenyl	84-15-1	101	%	70-135	01.19.2021 21:43	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 43 @ 3'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-005	Date Collected:	01.19.2021 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.19.2021 21:24	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.19.2021 21:24	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.19.2021 21:24	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.19.2021 21:24	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.19.2021 21:24	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.19.2021 21:24	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.19.2021 21:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	123	%	70-130	01.19.2021 21:24	
1,4-Difluorobenzene	540-36-3	110	%	70-130	01.19.2021 21:24	

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Certificate of Analytical Results 685263

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 44 @ 3'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-006	Date Collected:	01.19.2021 00:00	Sample Depth:	3 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**117**	10.1	mg/kg	01.20.2021 16:39		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148334			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.19.2021 22:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.19.2021 22:03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.19.2021 22:03	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.19.2021 22:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	01.19.2021 22:03	
o-Terphenyl	84-15-1	104	%	70-135	01.19.2021 22:03	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 44 @ 3'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-006	Date Collected:	01.19.2021 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.19.2021 21:47	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.19.2021 21:47	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.19.2021 21:47	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.19.2021 21:47	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.19.2021 21:47	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.19.2021 21:47	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.19.2021 21:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	114	%	70-130	01.19.2021 21:47	
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.19.2021 21:47	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 45 @ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-007	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**103**	99.4	mg/kg	01.20.2021 01:42		10

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148334			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.19.2021 22:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.19.2021 22:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.19.2021 22:23	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	01.19.2021 22:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	118	%	70-135	01.19.2021 22:23	
o-Terphenyl	84-15-1	122	%	70-135	01.19.2021 22:23	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 45 @ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-007	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.19.2021 22:09	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.19.2021 22:09	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.19.2021 22:09	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.19.2021 22:09	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.19.2021 22:09	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.19.2021 22:09	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.19.2021 22:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	01.19.2021 22:09	
4-Bromofluorobenzene	460-00-4	118	%	70-130	01.19.2021 22:09	

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Landes Pond Release

Sample Id:	**FL 46 @ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-008	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**112**	10.1	mg/kg	01.20.2021 16:44		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148334			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.19.2021 22:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.19.2021 22:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.19.2021 22:43	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	01.19.2021 22:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	01.19.2021 22:43	
o-Terphenyl	84-15-1	92	%	70-135	01.19.2021 22:43	

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Landes Pond Release

Sample Id:	**FL 46 @ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-008	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.19.2021 22:31	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.19.2021 22:31	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.19.2021 22:31	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.19.2021 22:31	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.19.2021 22:31	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.19.2021 22:31	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.19.2021 22:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	01.19.2021 22:31	
4-Bromofluorobenzene	460-00-4	125	%	70-130	01.19.2021 22:31	

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Landes Pond Release

Sample Id:	**FL 47@ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-009	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**110**	100	mg/kg	01.20.2021 01:54		10

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148334			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	01.19.2021 23:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	01.19.2021 23:03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	01.19.2021 23:03	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	01.19.2021 23:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	122	%	70-135	01.19.2021 23:03	
o-Terphenyl	84-15-1	106	%	70-135	01.19.2021 23:03	

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Landes Pond Release

Sample Id:	**FL 47@ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-009	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.19.2021 22:54	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.19.2021 22:54	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.19.2021 22:54	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.19.2021 22:54	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.19.2021 22:54	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.19.2021 22:54	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.19.2021 22:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	122	%	70-130	01.19.2021 22:54	
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.19.2021 22:54	

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Landes Pond Release

Sample Id:	**FL 48@ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-010	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**144**	100	mg/kg	01.20.2021 01:59		10

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148334			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.19.2021 23:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.19.2021 23:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.19.2021 23:23	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.19.2021 23:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-135	01.19.2021 23:23	
o-Terphenyl	84-15-1	98	%	70-135	01.19.2021 23:23	

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Landes Pond Release

Sample Id:	**FL 48@ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-010	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.19.2021 23:16	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.19.2021 23:16	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.19.2021 23:16	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.19.2021 23:16	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.19.2021 23:16	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.19.2021 23:16	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.19.2021 23:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.19.2021 23:16	
4-Bromofluorobenzene	460-00-4	115	%	70-130	01.19.2021 23:16	

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Landes Pond Release

Sample Id:	**FL 49@ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-011	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**123**	49.9	mg/kg	01.20.2021 02:05		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148332			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.19.2021 19:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.19.2021 19:42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.19.2021 19:42	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.19.2021 19:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	01.19.2021 19:42	
o-Terphenyl	84-15-1	116	%	70-135	01.19.2021 19:42	

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Landes Pond Release

Sample Id:	**FL 49@ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-011	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.20.2021 00:36	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.20.2021 00:36	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.20.2021 00:36	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.20.2021 00:36	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.20.2021 00:36	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.20.2021 00:36	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.20.2021 00:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	107	%	70-130	01.20.2021 00:36	
4-Bromofluorobenzene	460-00-4	122	%	70-130	01.20.2021 00:36	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 50@ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-012	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**159**	99.6	mg/kg	01.20.2021 02:22		10

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148332			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.19.2021 20:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.19.2021 20:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.19.2021 20:43	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	01.19.2021 20:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-135	01.19.2021 20:43	
o-Terphenyl	84-15-1	87	%	70-135	01.19.2021 20:43	

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Landes Pond Release

Sample Id:	**FL 50@ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-012	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.20.2021 00:58	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.20.2021 00:58	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.20.2021 00:58	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.20.2021 00:58	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.20.2021 00:58	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.20.2021 00:58	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.20.2021 00:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	01.20.2021 00:58	
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.20.2021 00:58	

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Landes Pond Release

Sample Id:	**FL 51@ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-013	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**13.4**	10.0	mg/kg	01.20.2021 02:28		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148332			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.19.2021 21:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.19.2021 21:03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.19.2021 21:03	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.19.2021 21:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	01.19.2021 21:03	
o-Terphenyl	84-15-1	94	%	70-135	01.19.2021 21:03	

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Landes Pond Release

Sample Id:	**FL 51@ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-013	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.20.2021 01:21	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.20.2021 01:21	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.20.2021 01:21	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.20.2021 01:21	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.20.2021 01:21	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.20.2021 01:21	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.20.2021 01:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.20.2021 01:21	
4-Bromofluorobenzene	460-00-4	126	%	70-130	01.20.2021 01:21	

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Certificate of Analytical Results 685263

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 52@ 4'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-014	Date Collected:	01.19.2021 00:00	Sample Depth:	4 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**14.1**	9.96	mg/kg	01.20.2021 02:45		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148332			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.19.2021 21:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.19.2021 21:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.19.2021 21:23	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.19.2021 21:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	01.19.2021 21:23	
o-Terphenyl	84-15-1	97	%	70-135	01.19.2021 21:23	

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Certificate of Analytical Results 685263

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 52@ 4'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-014	Date Collected:	01.19.2021 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.20.2021 01:43	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.20.2021 01:43	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.20.2021 01:43	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.20.2021 01:43	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.20.2021 01:43	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.20.2021 01:43	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.20.2021 01:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.20.2021 01:43	
1,4-Difluorobenzene	540-36-3	106	%	70-130	01.20.2021 01:43	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 53@ 4'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-015	Date Collected:	01.19.2021 00:00	Sample Depth:	4 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**15.1**	9.90	mg/kg	01.20.2021 02:50		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148332			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.19.2021 21:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.19.2021 21:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.19.2021 21:43	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.19.2021 21:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	01.19.2021 21:43	
o-Terphenyl	84-15-1	95	%	70-135	01.19.2021 21:43	

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Landes Pond Release

Sample Id:	**FL 53@ 4'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-015	Date Collected:	01.19.2021 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.20.2021 02:05	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.20.2021 02:05	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.20.2021 02:05	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	01.20.2021 02:05	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.20.2021 02:05	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.20.2021 02:05	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.20.2021 02:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	120	%	70-130	01.20.2021 02:05	
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.20.2021 02:05	

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Landes Pond Release

Sample Id:	**FL 54@ 4'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-016	Date Collected:	01.19.2021 00:00	Sample Depth:	4 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**10.6**	9.94	mg/kg	01.20.2021 02:56		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148332			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.19.2021 22:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.19.2021 22:03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.19.2021 22:03	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.19.2021 22:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	01.19.2021 22:03	
o-Terphenyl	84-15-1	83	%	70-135	01.19.2021 22:03	

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Landes Pond Release

Sample Id:	**FL 54@ 4'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-016	Date Collected:	01.19.2021 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.20.2021 02:28	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.20.2021 02:28	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.20.2021 02:28	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.20.2021 02:28	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.20.2021 02:28	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.20.2021 02:28	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.20.2021 02:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.20.2021 02:28	
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.20.2021 02:28	

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Landes Pond Release

Sample Id:	**FL 55@ 4'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-017	Date Collected:	01.19.2021 00:00	Sample Depth:	4 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**15.2**	10.0	mg/kg	01.20.2021 03:02		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148332			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.19.2021 22:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.19.2021 22:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.19.2021 22:23	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.19.2021 22:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	01.19.2021 22:23	
o-Terphenyl	84-15-1	119	%	70-135	01.19.2021 22:23	

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Landes Pond Release

Sample Id:	**FL 55@ 4'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-017	Date Collected:	01.19.2021 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.20.2021 02:50	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.20.2021 02:50	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.20.2021 02:50	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.20.2021 02:50	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.20.2021 02:50	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.20.2021 02:50	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.20.2021 02:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	99	%	70-130	01.20.2021 02:50	
4-Bromofluorobenzene	460-00-4	115	%	70-130	01.20.2021 02:50	

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Landes Pond Release

Sample Id:	**FL 56@ 4'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-018	Date Collected:	01.19.2021 00:00	Sample Depth:	4 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**16.2**	9.94	mg/kg	01.20.2021 03:07		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148332			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.19.2021 22:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.19.2021 22:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.19.2021 22:43	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.19.2021 22:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-135	01.19.2021 22:43	
o-Terphenyl	84-15-1	93	%	70-135	01.19.2021 22:43	

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Landes Pond Release

Sample Id:	**FL 56@ 4'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-018	Date Collected:	01.19.2021 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.20.2021 03:13	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.20.2021 03:13	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.20.2021 03:13	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.20.2021 03:13	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.20.2021 03:13	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.20.2021 03:13	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.20.2021 03:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	108	%	70-130	01.20.2021 03:13	
4-Bromofluorobenzene	460-00-4	128	%	70-130	01.20.2021 03:13	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 57@ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-019	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**31.5**	10.0	mg/kg	01.20.2021 03:13		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148332			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	01.19.2021 23:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	01.19.2021 23:03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	01.19.2021 23:03	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	01.19.2021 23:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	01.19.2021 23:03	
o-Terphenyl	84-15-1	103	%	70-135	01.19.2021 23:03	

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Landes Pond Release

Sample Id:	**FL 57@ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-019	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.20.2021 03:35	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.20.2021 03:35	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.20.2021 03:35	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	01.20.2021 03:35	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.20.2021 03:35	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.20.2021 03:35	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.20.2021 03:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.20.2021 03:35	
4-Bromofluorobenzene	460-00-4	122	%	70-130	01.20.2021 03:35	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 58@ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-020	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:00	% Moisture:	
Seq Number:	3148345			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**17.2**	9.96	mg/kg	01.20.2021 03:19		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148332			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.19.2021 23:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.19.2021 23:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.19.2021 23:23	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.19.2021 23:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	112	%	70-135	01.19.2021 23:23	
o-Terphenyl	84-15-1	104	%	70-135	01.19.2021 23:23	

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Certificate of Analytical Results 685263

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 58@ 2'**	Matrix:	Soil	Date Received:	01.19.2021 15:23
Lab Sample Id:	685263-020	Date Collected:	01.19.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:03	% Moisture:	
Seq Number:	3148330			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.20.2021 03:58	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.20.2021 03:58	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.20.2021 03:58	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.20.2021 03:58	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.20.2021 03:58	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.20.2021 03:58	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.20.2021 03:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	108	%	70-130	01.20.2021 03:58	
4-Bromofluorobenzene	460-00-4	123	%	70-130	01.20.2021 03:58	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 685263

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148345 — Matrix: Solid — Date Prep: 01.19.2021
MB Sample Id: 7719562-1-BLK — LCS Sample Id: 7719562-1-BKS — LCSD Sample Id: 7719562-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	200	210	105	206	103	90-110	2	20	mg/kg	01.20.2021 00:34	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148345 — Matrix: Soil — Date Prep: 01.19.2021
Parent Sample Id: 685263-001 — MS Sample Id: 685263-001 S — MSD Sample Id: 685263-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	106	200	302	98	304	99	90-110	1	20	mg/kg	01.20.2021 00:51	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148345 — Matrix: Soil — Date Prep: 01.19.2021
Parent Sample Id: 685263-011 — MS Sample Id: 685263-011 S — MSD Sample Id: 685263-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	123	198	313	96	319	98	90-110	2	20	mg/kg	01.20.2021 02:11	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148334 — Matrix: Solid — Date Prep: 01.19.2021
MB Sample Id: 7719555-1-BLK — LCS Sample Id: 7719555-1-BKS — LCSD Sample Id: 7719555-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1100	110	1000	100	70-135	10	35	mg/kg	01.19.2021 19:02	
Diesel Range Organics (DRO)	<50.0	1000	1190	119	1090	109	70-135	9	35	mg/kg	01.19.2021 19:02	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	96		95		111		70-135	%	01.19.2021 19:02
o-Terphenyl	91		89		91		70-135	%	01.19.2021 19:02

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148332 — Matrix: Solid — Date Prep: 01.20.2021
MB Sample Id: 7719556-1-BLK — LCS Sample Id: 7719556-1-BKS — LCSD Sample Id: 7719556-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1110	111	948	95	70-135	16	35	mg/kg	01.19.2021 19:02	
Diesel Range Organics (DRO)	<50.0	1000	952	95	1130	113	70-135	17	35	mg/kg	01.19.2021 19:02	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	100		96		98		70-135	%	01.19.2021 19:02
o-Terphenyl	116		98		104		70-135	%	01.19.2021 19:02

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Final 1.000

QC Summary 685263

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3148334 Matrix: Solid Date Prep: 01.19.2021
MB Sample Id: 7719555-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.19.2021 18:42	

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3148332 Matrix: Solid Date Prep: 01.20.2021
MB Sample Id: 7719556-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.19.2021 18:42	

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3148334 Matrix: Soil Date Prep: 01.19.2021
Parent Sample Id: 685263-001 MS Sample Id: 685263-001 S MSD Sample Id: 685263-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.2	1000	872	87	938	94	70-135	7	35	mg/kg	01.19.2021 20:02	
Diesel Range Organics (DRO)	<50.2	1000	935	94	981	98	70-135	5	35	mg/kg	01.19.2021 20:02	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	94		98		70-135	%	01.19.2021 20:02
o-Terphenyl	98		94		70-135	%	01.19.2021 20:02

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3148332 Matrix: Soil Date Prep: 01.20.2021
Parent Sample Id: 685263-011 MS Sample Id: 685263-011 S MSD Sample Id: 685263-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.1	1000	972	97	893	89	70-135	8	35	mg/kg	01.19.2021 20:02	
Diesel Range Organics (DRO)	<50.1	1000	876	88	964	96	70-135	10	35	mg/kg	01.19.2021 20:02	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	108		99		70-135	%	01.19.2021 20:02
o-Terphenyl	105		109		70-135	%	01.19.2021 20:02

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 685263

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3148330 Matrix: Solid Date Prep: 01.19.2021
MB Sample Id: 7719575-1-BLK LCS Sample Id: 7719575-1-BKS LCSD Sample Id: 7719575-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.100	100	0.102	102	70-130	2	35	mg/kg	01.19.2021 17:49	
Toluene	<0.00200	0.100	0.0944	94	0.0973	97	70-130	3	35	mg/kg	01.19.2021 17:49	
Ethylbenzene	<0.00200	0.100	0.0978	98	0.104	104	71-129	6	35	mg/kg	01.19.2021 17:49	
m,p-Xylenes	<0.00400	0.200	0.204	102	0.213	107	70-135	4	35	mg/kg	01.19.2021 17:49	
o-Xylene	<0.00200	0.100	0.102	102	0.104	104	71-133	2	35	mg/kg	01.19.2021 17:49	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		102		102		70-130	%	01.19.2021 17:49
4-Bromofluorobenzene	111		110		111		70-130	%	01.19.2021 17:49

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3148330 Matrix: Soil Date Prep: 01.19.2021
Parent Sample Id: 685263-001 MS Sample Id: 685263-001 S MSD Sample Id: 685263-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.105	105	0.0966	96	70-130	8	35	mg/kg	01.19.2021 18:34	
Toluene	<0.00200	0.100	0.0973	97	0.0916	91	70-130	6	35	mg/kg	01.19.2021 18:34	
Ethylbenzene	<0.00200	0.100	0.104	104	0.0947	94	71-129	9	35	mg/kg	01.19.2021 18:34	
m,p-Xylenes	<0.00401	0.200	0.214	107	0.196	98	70-135	9	35	mg/kg	01.19.2021 18:34	
o-Xylene	<0.00200	0.100	0.104	104	0.0967	96	71-133	7	35	mg/kg	01.19.2021 18:34	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		100		70-130	%	01.19.2021 18:34
4-Bromofluorobenzene	112		108		70-130	%	01.19.2021 18:34

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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Chain of Custody

XENCO

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Work Order No: 685263

Page 1 of 2

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Solaris
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechenv.com + Client

Work Order Comments

Program: UST/PST [ ] PRP [ ] Brownfields [ ] RRC [ ] Superfund [ ]
State of Project:
Reporting: Level II [ ] Level III [ ] PST/USTs [ ] TRRP [ ] Level IV [ ]
Deliverables: EDD [ ] ADaPT [ ] Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	✓
Project Location	Rural Eddy county	Rush:	[ ]
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	1.2/1.0	Thermometer ID	T-NM-007	
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Total Containers:	20	

ANALYSIS REQUEST

Preservative Codes

HNO3: HN
H2SO4: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day received by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005	Sample Comments
FL 39 @2'	S	1-19-21		2'	1	X	X	X		
FL 40@2'	S	1-19-21		2'	1	X	X	X		
FL 41@3'	S	1-19-21		3'	1	X	X	X		
FL 42@3'	S	1-19-21		3'	1	X	X	X		
FL 43@3'	S	1-19-21		3'	1	X	X	X		
FL 44@3'	S	1-19-21		3'	1	X	X	X		
FL 45@3'	S	1-19-21		3'	1	X	X	X		
FL 46@2'	S	1-19-21		2'	1	X	X	X		
FL 47@2'	S	1-19-21		2'	1	X	X	X		
FL 48@2'	S	1-19-21		2'	1	X	X	X		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		1-19-21 1523	4		
3			6		
5					

Revised Date 101419 Rev 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
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Chain of Custody

XENCO

Work Order No: 685263

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

www.xenco.com Page 2 of 2

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Solaris
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechenv.com + Client

Work Order Comments

Program: UST/PST [ ] PRP [ ] Brownfields [ ] RRC [ ] Superfund [ ]
State of Project:
Reporting: Level II [ ] Level III [ ] PST/UST [ ] TRRP [ ] Level IV [ ]
Deliverables: EDD [ ] ADaPT [ ] Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	✓
Project Location	Rural Eddy county	Rush:	[ ]
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):		Thermometer ID	See Page 1	
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

ANALYSIS REQUEST

Preservative Codes

HNO3: HN
H2SO4: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day received by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride 300	BTEX 8021	TPH Modified 8x1	TPH TX1005	Sample Comments
FL49@2'	S	1.19.21		2'	1	X	X	X		
FL50@2'	S	1.19.21		2'	1	X	X	X		
FL51@4'	S	1.19.21		4'	1	X	X	X		
FL52@4'	S	1.19.21		4'	1	X	X	X		
FL53@4'	S	1.19.21		4'	1	X	X	X		
FL54@4'	S	1.19.21		4'	1	X	X	X		
FL55@4'	S	1.19.21		4'	1	X	X	X		
FL56@4'	S	1.19.21		4'	1	X	X	X		
FL57@2'	S	1.19.21		2'	1	X	X	X		
FL58@2'	S	1.19.21		2'	1	X	X	X		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Cloe Cuttis	1.19.21 1523	2		
3			4		
5			6		

Revised Date 101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
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Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 01.19.2021 03.23.00 PM

Work Order #: 685263

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	1	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	Samples received in bulk containers.
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**No**	
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 01.19.2021

Checklist reviewed by: Jessica Kramer Date: 01.20.2021

Jessica Kramer

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Certificate of Analysis Summary 685461

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Wed 01.20.2021 15:41
Report Date: 01.25.2021 13:50
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685461-001		685461-002		685461-003		685461-004		685461-005		685461-006	
	Field Id:	FL 59 @ 1'		FL 60 @ 1'		FL 61 @ 1'		FL 62 @ 1'		FL 63 @ 1'		FL 64 @ 1'	
	Depth:	1- ft		1- ft		1- ft		1- ft		1- ft		1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.20.2021 00:00		01.20.2021 00:00		01.20.2021 00:00		01.20.2021 00:00		01.20.2021 00:00		01.20.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00	
	Analyzed:	01.20.2021 22:46		01.20.2021 23:09		01.20.2021 23:31		01.20.2021 23:53		01.21.2021 00:16		01.21.2021 01:33	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
Toluene		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
Ethylbenzene		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
m,p-Xylenes		<0.00398	0.00398	<0.00403	0.00403	<0.00401	0.00401	<0.00403	0.00403	<0.00398	0.00398	<0.00399	0.00399
o-Xylene		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
Total Xylenes		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
Total BTEX		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
Inorganic Anions by EPA 300	***Extracted:***	01.21.2021 15:00		01.21.2021 15:00		01.21.2021 15:00		01.21.2021 15:00		01.21.2021 15:00		01.21.2021 15:00	
	Analyzed:	01.21.2021 16:06		01.21.2021 16:12		01.21.2021 16:18		01.21.2021 16:23		01.21.2021 16:29		** ** ** **	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		266	9.94	15.0	10.1	24.1	10.0	50.4	9.98	111	9.94	83.2	9.94
TPH by SW8015 Mod	***Extracted:***	01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00	
	Analyzed:	01.20.2021 22:43		01.20.2021 23:03		01.20.2021 23:24		01.20.2021 23:44		01.21.2021 00:04		01.21.2021 00:44	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.3	50.3	<50.0	50.0	<49.9	49.9	<50.1	50.1	<50.0	50.0	<49.8	49.8
Diesel Range Organics (DRO)		<50.3	50.3	<50.0	50.0	<49.9	49.9	<50.1	50.1	<50.0	50.0	<49.8	49.8
Motor Oil Range Hydrocarbons (MRO)		<50.3	50.3	<50.0	50.0	<49.9	49.9	<50.1	50.1	<50.0	50.0	<49.8	49.8
Total TPH		<50.3	50.3	<50.0	50.0	<49.9	49.9	<50.1	50.1	<50.0	50.0	<49.8	49.8

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

eurofins | Environment Testing Xenco

Certificate of Analysis Summary 685461

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Wed 01.20.2021 15:41
Report Date: 01.25.2021 13:50
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685461-007		685461-008		685461-009		685461-010		685461-011		685461-012	
	Field Id:	FL 65 @ 1'		FL 66 @ 1'		FL 67 @ 1'		FL 68 @ 1'		FL 69@ 1'		FL 70 @ 1'	
	Depth:	1- ft		1- ft		1- ft		1- ft		1- ft		1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.20.2021 00:00		01.20.2021 00:00		01.20.2021 00:00		01.20.2021 00:00		01.20.2021 00:00		01.20.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00	
	Analyzed:	01.21.2021 01:56		01.21.2021 02:18		01.21.2021 02:41		01.21.2021 03:03		01.21.2021 03:25		01.21.2021 03:48	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00196	0.00196	<0.00202	0.00202
Toluene		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00196	0.00196	<0.00202	0.00202
Ethylbenzene		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00196	0.00196	<0.00202	0.00202
m,p-Xylenes		<0.00398	0.00398	<0.00399	0.00399	<0.00397	0.00397	<0.00395	0.00395	<0.00392	0.00392	<0.00403	0.00403
o-Xylene		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00196	0.00196	<0.00202	0.00202
Total Xylenes		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00196	0.00196	<0.00202	0.00202
Total BTEX		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00196	0.00196	<0.00202	0.00202
Inorganic Anions by EPA 300	***Extracted:***	01.21.2021 15:00		01.21.2021 15:00		01.21.2021 15:00		01.21.2021 15:00		01.21.2021 15:00		01.21.2021 15:00	
	Analyzed:	** ** ** **		** ** ** **		** ** ** **		** ** ** **		** ** ** **		** ** ** **	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		103	9.94	28.3	9.96	44.7	10.0	74.9	10.1	46.3	9.96	103	10.1
TPH by SW8015 Mod	***Extracted:***	01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00	
	Analyzed:	01.21.2021 01:04		01.21.2021 01:24		01.20.2021 20:21		01.20.2021 21:22		01.20.2021 21:42		01.20.2021 22:02	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<49.8	49.8	<49.8	49.8	<50.2	50.2	<49.8	49.8	<50.0	50.0
Diesel Range Organics (DRO)		<49.8	49.8	<49.8	49.8	<49.8	49.8	<50.2	50.2	<49.8	49.8	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<49.8	49.8	<49.8	49.8	<50.2	50.2	<49.8	49.8	<50.0	50.0
Total TPH		<49.8	49.8	<49.8	49.8	<49.8	49.8	<50.2	50.2	<49.8	49.8	<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 685461

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Wed 01.20.2021 15:41
Report Date: 01.25.2021 13:50
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685461-013		685461-014		685461-015		685461-016		685461-017		685461-018	
	Field Id:	EW 5		WW 4		WW 3		EW 6		EW 7		EW 8	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.20.2021 00:00		01.20.2021 00:00		01.20.2021 00:00		01.20.2021 00:00		01.20.2021 00:00		01.20.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.20.2021 17:00		** ** ** **		** ** ** **		** ** ** **		** ** ** **		** ** ** **	
	Analyzed:	01.21.2021 04:10		01.20.2021 23:29		01.20.2021 23:52		01.20.2021 21:37		01.20.2021 21:59		01.20.2021 22:22	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198
Toluene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198
m,p-Xylenes		<0.00401	0.00401	<0.00401	0.00401	<0.00401	0.00401	<0.00402	0.00402	<0.00399	0.00399	<0.00397	0.00397
o-Xylene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198
Total Xylenes		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198
Total BTEX		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198
Inorganic Anions by EPA 300	***Extracted:***	01.21.2021 15:00		01.21.2021 15:00		01.21.2021 15:00		01.21.2021 15:00		01.21.2021 15:00		01.21.2021 15:00	
	Analyzed:	** ** ** **		01.21.2021 15:04		01.21.2021 15:10		01.21.2021 15:15		01.21.2021 15:32		01.21.2021 15:38	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		43.0	9.96	18.3	10.1	22.6	9.90	<10.1	10.1	117	10.0	15.3	10.0
TPH by SW8015 Mod	***Extracted:***	01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00	
	Analyzed:	01.20.2021 22:23		01.20.2021 22:43		01.20.2021 23:03		01.20.2021 23:24		01.20.2021 23:44		01.21.2021 00:04	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.2	50.2
Diesel Range Organics (DRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.2	50.2
Total TPH		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.2	50.2

BRL - Below Reporting Limit

Jessica Kramer

eurofins | Environment Testing Xenco

Certificate of Analysis Summary 685461

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Wed 01.20.2021 15:41
Report Date: 01.25.2021 13:50
Project Manager: Jessica Kramer

Analysis Requested							
	Lab Id:	685461-019		685461-020			
	Field Id:	SW 6		WW 5			
	Depth:						
	Matrix:	SOIL		SOIL			
	Sampled:	01.20.2021 00:00		01.20.2021 00:00			
BTEX by EPA 8021B	***Extracted:***	** ** ** **		** ** ** **			
	Analyzed:	01.20.2021 22:44		01.20.2021 23:07			
	Units/RL:	mg/kg	RL	mg/kg	RL		
Benzene		<0.00200	0.00200	<0.00199	0.00199		
Toluene		<0.00200	0.00200	<0.00199	0.00199		
Ethylbenzene		<0.00200	0.00200	<0.00199	0.00199		
m,p-Xylenes		<0.00399	0.00399	<0.00398	0.00398		
o-Xylene		<0.00200	0.00200	<0.00199	0.00199		
Total Xylenes		<0.00200	0.00200	<0.00199	0.00199		
Total BTEX		<0.00200	0.00200	<0.00199	0.00199		
Inorganic Anions by EPA 300	***Extracted:***	01.21.2021 15:00		01.21.2021 15:00			
	Analyzed:	01.21.2021 15:55		01.21.2021 16:01			
	Units/RL:	mg/kg	RL	mg/kg	RL		
Chloride		63.5	10.1	137	10.0		
TPH by SW8015 Mod	***Extracted:***	01.20.2021 17:00		01.20.2021 17:00			
	Analyzed:	01.21.2021 00:44		01.21.2021 01:04			
	Units/RL:	mg/kg	RL	mg/kg	RL		
Gasoline Range Hydrocarbons (GRO)		<50.1	50.1	<50.1	50.1		
Diesel Range Organics (DRO)		<50.1	50.1	<50.1	50.1		
Motor Oil Range Hydrocarbons (MRO)		<50.1	50.1	<50.1	50.1		
Total TPH		<50.1	50.1	<50.1	50.1		

BRL - Below Reporting Limit

Jessica Kramer

eurofins | Environment Testing Xenco

Analytical Report 685461

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

Landes Pond Release

13261

01.25.2021

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

eurofins | Environment Testing Xenco

01.25.2021

Project Manager: **PM**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **685461**
Landes Pond Release
Project Address: Rural Eddy County

PM :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 685461. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 685461 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 685461

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
FL 59 @ 1'	S	01.20.2021 00:00	1 ft	685461-001
FL 60 @ 1'	S	01.20.2021 00:00	1 ft	685461-002
FL 61 @ 1'	S	01.20.2021 00:00	1 ft	685461-003
FL 62 @ 1'	S	01.20.2021 00:00	1 ft	685461-004
FL 63 @ 1'	S	01.20.2021 00:00	1 ft	685461-005
FL 64 @ 1'	S	01.20.2021 00:00	1 ft	685461-006
FL 65 @ 1'	S	01.20.2021 00:00	1 ft	685461-007
FL 66 @ 1'	S	01.20.2021 00:00	1 ft	685461-008
FL 67 @ 1'	S	01.20.2021 00:00	1 ft	685461-009
FL 68 @ 1'	S	01.20.2021 00:00	1 ft	685461-010
FL 69@ 1'	S	01.20.2021 00:00	1 ft	685461-011
FL 70 @ 1'	S	01.20.2021 00:00	1 ft	685461-012
EW 5	S	01.20.2021 00:00		685461-013
WW 4	S	01.20.2021 00:00		685461-014
WW 3	S	01.20.2021 00:00		685461-015
EW 6	S	01.20.2021 00:00		685461-016
EW 7	S	01.20.2021 00:00		685461-017
EW 8	S	01.20.2021 00:00		685461-018
SW 6	S	01.20.2021 00:00		685461-019
WW 5	S	01.20.2021 00:00		685461-020

CASE NARRATIVE

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Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Landes Pond Release

Project ID: *13261*
Work Order Number(s): *685461*

Report Date: *01.25.2021*
Date Received: *01.20.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

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Certificate of Analytical Results 685461

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 59 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-001	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.21.2021 15:00	% Moisture:	
Seq Number:	3148604			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**266**	9.94	mg/kg	01.21.2021 16:06		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148431			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	01.20.2021 22:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	01.20.2021 22:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	01.20.2021 22:43	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	01.20.2021 22:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-135	01.20.2021 22:43	
o-Terphenyl	84-15-1	122	%	70-135	01.20.2021 22:43	

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Certificate of Analytical Results 685461

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 59 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-001	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148433			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.20.2021 22:46	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.20.2021 22:46	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.20.2021 22:46	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.20.2021 22:46	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.20.2021 22:46	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.20.2021 22:46	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.20.2021 22:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	01.20.2021 22:46	
1,4-Difluorobenzene	540-36-3	98	%	70-130	01.20.2021 22:46	

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Landes Pond Release

Sample Id:	**FL 60 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-002	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.21.2021 15:00	% Moisture:	
Seq Number:	3148604			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**15.0**	10.1	mg/kg	01.21.2021 16:12		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148431			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.20.2021 23:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.20.2021 23:03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.20.2021 23:03	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.20.2021 23:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	01.20.2021 23:03	
o-Terphenyl	84-15-1	116	%	70-135	01.20.2021 23:03	

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Landes Pond Release

Sample Id:	**FL 60 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-002	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148433			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.20.2021 23:09	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.20.2021 23:09	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.20.2021 23:09	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.20.2021 23:09	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.20.2021 23:09	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.20.2021 23:09	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.20.2021 23:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	01.20.2021 23:09	
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.20.2021 23:09	

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Landes Pond Release

Sample Id:	**FL 61 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-003	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.21.2021 15:00	% Moisture:	
Seq Number:	3148604			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**24.1**	10.0	mg/kg	01.21.2021 16:18		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148431			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.20.2021 23:24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.20.2021 23:24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.20.2021 23:24	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.20.2021 23:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	01.20.2021 23:24	
o-Terphenyl	84-15-1	107	%	70-135	01.20.2021 23:24	

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Landes Pond Release

Sample Id:	**FL 61 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-003	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148433			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.20.2021 23:31	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.20.2021 23:31	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.20.2021 23:31	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.20.2021 23:31	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.20.2021 23:31	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.20.2021 23:31	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.20.2021 23:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	99	%	70-130	01.20.2021 23:31	
4-Bromofluorobenzene	460-00-4	90	%	70-130	01.20.2021 23:31	

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Landes Pond Release

Sample Id:	**FL 62 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-004	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.21.2021 15:00	% Moisture:	
Seq Number:	3148604			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**50.4**	9.98	mg/kg	01.21.2021 16:23		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148431			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.20.2021 23:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.20.2021 23:44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.20.2021 23:44	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.20.2021 23:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	01.20.2021 23:44	
o-Terphenyl	84-15-1	109	%	70-135	01.20.2021 23:44	

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Landes Pond Release

Sample Id:	**FL 62 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-004	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148433			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.20.2021 23:53	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.20.2021 23:53	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.20.2021 23:53	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.20.2021 23:53	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.20.2021 23:53	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.20.2021 23:53	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.20.2021 23:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.20.2021 23:53	
4-Bromofluorobenzene	460-00-4	91	%	70-130	01.20.2021 23:53	

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Landes Pond Release

Sample Id:	**FL 63 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-005	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.21.2021 15:00	% Moisture:	
Seq Number:	3148604			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**111**	9.94	mg/kg	01.21.2021 16:29		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148431			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.21.2021 00:04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.21.2021 00:04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.21.2021 00:04	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.21.2021 00:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	01.21.2021 00:04	
o-Terphenyl	84-15-1	101	%	70-135	01.21.2021 00:04	

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Landes Pond Release

Sample Id:	**FL 63 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-005	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148433			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.21.2021 00:16	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.21.2021 00:16	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.21.2021 00:16	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.21.2021 00:16	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.21.2021 00:16	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.21.2021 00:16	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.21.2021 00:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	99	%	70-130	01.21.2021 00:16	
4-Bromofluorobenzene	460-00-4	95	%	70-130	01.21.2021 00:16	

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Landes Pond Release

Sample Id:	**FL 64 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-006	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.21.2021 15:00	% Moisture:	
Seq Number:	3148604			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**83.2**	9.94	mg/kg	01.21.2021 13:56		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148431			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.21.2021 00:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.21.2021 00:44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.21.2021 00:44	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.21.2021 00:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	119	%	70-135	01.21.2021 00:44	
o-Terphenyl	84-15-1	94	%	70-135	01.21.2021 00:44	

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Landes Pond Release

Sample Id:	**FL 64 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-006	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148433			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.21.2021 01:33	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.21.2021 01:33	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.21.2021 01:33	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.21.2021 01:33	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.21.2021 01:33	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.21.2021 01:33	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.21.2021 01:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	87	%	70-130	01.21.2021 01:33	
1,4-Difluorobenzene	540-36-3	98	%	70-130	01.21.2021 01:33	

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Landes Pond Release

Sample Id:	**FL 65 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-007	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.21.2021 15:00	% Moisture:	
Seq Number:	3148604			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**103**	9.94	mg/kg	01.21.2021 14:13		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148431			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.21.2021 01:04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.21.2021 01:04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.21.2021 01:04	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.21.2021 01:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	01.21.2021 01:04	
o-Terphenyl	84-15-1	115	%	70-135	01.21.2021 01:04	

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Landes Pond Release

Sample Id:	**FL 65 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-007	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148433			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.21.2021 01:56	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.21.2021 01:56	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.21.2021 01:56	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.21.2021 01:56	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.21.2021 01:56	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.21.2021 01:56	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.21.2021 01:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	95	%	70-130	01.21.2021 01:56	
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.21.2021 01:56	

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Landes Pond Release

Sample Id:	**FL 66 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-008	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.21.2021 15:00	% Moisture:	
Seq Number:	3148604			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**28.3**	9.96	mg/kg	01.21.2021 14:19		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148431			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.21.2021 01:24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.21.2021 01:24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.21.2021 01:24	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.21.2021 01:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-135	01.21.2021 01:24	
o-Terphenyl	84-15-1	96	%	70-135	01.21.2021 01:24	

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Certificate of Analytical Results 685461

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 66 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-008	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148433			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.21.2021 02:18	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.21.2021 02:18	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.21.2021 02:18	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.21.2021 02:18	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.21.2021 02:18	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.21.2021 02:18	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.21.2021 02:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.21.2021 02:18	
4-Bromofluorobenzene	460-00-4	93	%	70-130	01.21.2021 02:18	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 67 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-009	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.21.2021 15:00	% Moisture:	
Seq Number:	3148604			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**44.7**	10.0	mg/kg	01.21.2021 14:24		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148432			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.20.2021 20:21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.20.2021 20:21	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.20.2021 20:21	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.20.2021 20:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	01.20.2021 20:21	
o-Terphenyl	84-15-1	95	%	70-135	01.20.2021 20:21	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 67 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-009	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148433			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.21.2021 02:41	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.21.2021 02:41	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.21.2021 02:41	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.21.2021 02:41	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.21.2021 02:41	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.21.2021 02:41	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.21.2021 02:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.21.2021 02:41	
4-Bromofluorobenzene	460-00-4	93	%	70-130	01.21.2021 02:41	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 68 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-010	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.21.2021 15:00	% Moisture:	
Seq Number:	3148604			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**74.9**	10.1	mg/kg	01.21.2021 14:30		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148432			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.20.2021 21:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.20.2021 21:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.20.2021 21:22	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	01.20.2021 21:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	01.20.2021 21:22	
o-Terphenyl	84-15-1	95	%	70-135	01.20.2021 21:22	

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Landes Pond Release

Sample Id:	**FL 68 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-010	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148433			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.21.2021 03:03	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.21.2021 03:03	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.21.2021 03:03	U	1
m,p-Xylenes	179601-23-1	<0.00395	0.00395	mg/kg	01.21.2021 03:03	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.21.2021 03:03	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.21.2021 03:03	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.21.2021 03:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	99	%	70-130	01.21.2021 03:03	
4-Bromofluorobenzene	460-00-4	91	%	70-130	01.21.2021 03:03	

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Landes Pond Release

Sample Id:	**FL 69@ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-011	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.21.2021 15:00	% Moisture:	
Seq Number:	3148604			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**46.3**	9.96	mg/kg	01.21.2021 14:47		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148432			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.20.2021 21:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.20.2021 21:42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.20.2021 21:42	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.20.2021 21:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	01.20.2021 21:42	
o-Terphenyl	84-15-1	91	%	70-135	01.20.2021 21:42	

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Landes Pond Release

Sample Id:	**FL 69@ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-011	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148433			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00196	0.00196	mg/kg	01.21.2021 03:25	U	1
Toluene	108-88-3	<0.00196	0.00196	mg/kg	01.21.2021 03:25	U	1
Ethylbenzene	100-41-4	<0.00196	0.00196	mg/kg	01.21.2021 03:25	U	1
m,p-Xylenes	179601-23-1	<0.00392	0.00392	mg/kg	01.21.2021 03:25	U	1
o-Xylene	95-47-6	<0.00196	0.00196	mg/kg	01.21.2021 03:25	U	1
Total Xylenes	1330-20-7	<0.00196	0.00196	mg/kg	01.21.2021 03:25	U	1
Total BTEX		<0.00196	0.00196	mg/kg	01.21.2021 03:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	88	%	70-130	01.21.2021 03:25	
1,4-Difluorobenzene	540-36-3	99	%	70-130	01.21.2021 03:25	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 70 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-012	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.21.2021 15:00	% Moisture:	
Seq Number:	3148604			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**103**	10.1	mg/kg	01.21.2021 14:53		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148432			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.20.2021 22:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.20.2021 22:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.20.2021 22:02	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.20.2021 22:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	01.20.2021 22:02	
o-Terphenyl	84-15-1	107	%	70-135	01.20.2021 22:02	

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Landes Pond Release

Sample Id:	**FL 70 @ 1'**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-012	Date Collected:	01.20.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148433			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.21.2021 03:48	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.21.2021 03:48	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.21.2021 03:48	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.21.2021 03:48	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.21.2021 03:48	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.21.2021 03:48	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.21.2021 03:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.21.2021 03:48	
4-Bromofluorobenzene	460-00-4	90	%	70-130	01.21.2021 03:48	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**EW 5**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-013	Date Collected:	01.20.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.21.2021 15:00	% Moisture:	
Seq Number:	3148604			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**43.0**	9.96	mg/kg	01.21.2021 14:58		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148432			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.20.2021 22:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.20.2021 22:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.20.2021 22:23	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.20.2021 22:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-135	01.20.2021 22:23	
o-Terphenyl	84-15-1	98	%	70-135	01.20.2021 22:23	

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Landes Pond Release

Sample Id:	**EW 5**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-013	Date Collected:	01.20.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148433			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.21.2021 04:10	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.21.2021 04:10	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.21.2021 04:10	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.21.2021 04:10	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.21.2021 04:10	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.21.2021 04:10	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.21.2021 04:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.21.2021 04:10	
4-Bromofluorobenzene	460-00-4	95	%	70-130	01.21.2021 04:10	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**WW 4**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-014	Date Collected:	01.20.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.21.2021 15:00	% Moisture:	
Seq Number:	3148604			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**18.3**	10.1	mg/kg	01.21.2021 15:04		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148432			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.20.2021 22:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.20.2021 22:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.20.2021 22:43	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.20.2021 22:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	01.20.2021 22:43	
o-Terphenyl	84-15-1	90	%	70-135	01.20.2021 22:43	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**WW 4**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-014	Date Collected:	01.20.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:18	% Moisture:	
Seq Number:	3148434			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.20.2021 23:29	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.20.2021 23:29	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.20.2021 23:29	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.20.2021 23:29	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.20.2021 23:29	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.20.2021 23:29	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.20.2021 23:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	01.20.2021 23:29	
4-Bromofluorobenzene	460-00-4	116	%	70-130	01.20.2021 23:29	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**WW 3**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-015	Date Collected:	01.20.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.21.2021 15:00	% Moisture:	
Seq Number:	3148604			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**22.6**	9.90	mg/kg	01.21.2021 15:10		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148432			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.20.2021 23:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.20.2021 23:03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.20.2021 23:03	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.20.2021 23:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	01.20.2021 23:03	
o-Terphenyl	84-15-1	115	%	70-135	01.20.2021 23:03	

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Certificate of Analytical Results 685461

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**WW 3**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-015	Date Collected:	01.20.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:18	% Moisture:	
Seq Number:	3148434			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.20.2021 23:52	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.20.2021 23:52	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.20.2021 23:52	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.20.2021 23:52	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.20.2021 23:52	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.20.2021 23:52	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.20.2021 23:52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	01.20.2021 23:52	
4-Bromofluorobenzene	460-00-4	123	%	70-130	01.20.2021 23:52	

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Certificate of Analytical Results 685461

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**EW 6**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-016	Date Collected:	01.20.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.21.2021 15:00	% Moisture:	
Seq Number:	3148604			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.1	10.1	mg/kg	01.21.2021 15:15	U	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148432			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.20.2021 23:24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.20.2021 23:24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.20.2021 23:24	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.20.2021 23:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	01.20.2021 23:24	
o-Terphenyl	84-15-1	94	%	70-135	01.20.2021 23:24	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**EW 6**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-016	Date Collected:	01.20.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:18	% Moisture:	
Seq Number:	3148434			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.20.2021 21:37	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.20.2021 21:37	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.20.2021 21:37	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.20.2021 21:37	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.20.2021 21:37	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.20.2021 21:37	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.20.2021 21:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	01.20.2021 21:37	
4-Bromofluorobenzene	460-00-4	119	%	70-130	01.20.2021 21:37	

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Certificate of Analytical Results 685461

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id: **EW 7** Matrix: Soil Date Received:01.20.2021 15:41

Lab Sample Id: 685461-017 Date Collected: 01.20.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 01.21.2021 15:00 % Moisture:

Seq Number: 3148604 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**117**	10.0	mg/kg	01.21.2021 15:32		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: CAC

Analyst: CAC Date Prep: 01.20.2021 17:00 % Moisture:

Seq Number: 3148432 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.20.2021 23:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.20.2021 23:44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.20.2021 23:44	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.20.2021 23:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-135	01.20.2021 23:44	
o-Terphenyl	84-15-1	98	%	70-135	01.20.2021 23:44	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**EW 7**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-017	Date Collected:	01.20.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:18	% Moisture:	
Seq Number:	3148434			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.20.2021 21:59	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.20.2021 21:59	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.20.2021 21:59	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.20.2021 21:59	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.20.2021 21:59	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.20.2021 21:59	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.20.2021 21:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.20.2021 21:59	
4-Bromofluorobenzene	460-00-4	123	%	70-130	01.20.2021 21:59	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**EW 8**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-018	Date Collected:	01.20.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.21.2021 15:00	% Moisture:	
Seq Number:	3148604			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**15.3**	10.0	mg/kg	01.21.2021 15:38		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148432			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.21.2021 00:04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.21.2021 00:04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.21.2021 00:04	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	01.21.2021 00:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	01.21.2021 00:04	
o-Terphenyl	84-15-1	104	%	70-135	01.21.2021 00:04	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**EW 8**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-018	Date Collected:	01.20.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:18	% Moisture:	
Seq Number:	3148434			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.20.2021 22:22	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.20.2021 22:22	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.20.2021 22:22	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.20.2021 22:22	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.20.2021 22:22	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.20.2021 22:22	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.20.2021 22:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	106	%	70-130	01.20.2021 22:22	
4-Bromofluorobenzene	460-00-4	120	%	70-130	01.20.2021 22:22	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SW 6**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-019	Date Collected:	01.20.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.21.2021 15:00	% Moisture:	
Seq Number:	3148604			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**63.5**	10.1	mg/kg	01.21.2021 15:55		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148432			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.21.2021 00:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.21.2021 00:44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.21.2021 00:44	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.21.2021 00:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	112	%	70-135	01.21.2021 00:44	
o-Terphenyl	84-15-1	103	%	70-135	01.21.2021 00:44	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SW 6**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-019	Date Collected:	01.20.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:18	% Moisture:	
Seq Number:	3148434			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.20.2021 22:44	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.20.2021 22:44	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.20.2021 22:44	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.20.2021 22:44	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.20.2021 22:44	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.20.2021 22:44	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.20.2021 22:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.20.2021 22:44	
4-Bromofluorobenzene	460-00-4	114	%	70-130	01.20.2021 22:44	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**WW 5**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-020	Date Collected:	01.20.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.21.2021 15:00	% Moisture:	
Seq Number:	3148604			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**137**	10.0	mg/kg	01.21.2021 16:01		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148432			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.21.2021 01:04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.21.2021 01:04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.21.2021 01:04	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.21.2021 01:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	122	%	70-135	01.21.2021 01:04	
o-Terphenyl	84-15-1	113	%	70-135	01.21.2021 01:04	

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Certificate of Analytical Results 685461

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**WW 5**	Matrix:	Soil	Date Received:	01.20.2021 15:41
Lab Sample Id:	685461-020	Date Collected:	01.20.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.19.2021 17:18	% Moisture:	
Seq Number:	3148434			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.20.2021 23:07	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.20.2021 23:07	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.20.2021 23:07	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.20.2021 23:07	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.20.2021 23:07	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.20.2021 23:07	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.20.2021 23:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	128	%	70-130	01.20.2021 23:07	
1,4-Difluorobenzene	540-36-3	108	%	70-130	01.20.2021 23:07	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 685461

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148604 — Matrix: Solid — Date Prep: 01.21.2021
MB Sample Id: 7719711-1-BLK — LCS Sample Id: 7719711-1-BKS — LCSD Sample Id: 7719711-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	200	212	106	209	105	90-110	1	20	mg/kg	01.21.2021 13:45	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148604 — Matrix: Soil — Date Prep: 01.21.2021
Parent Sample Id: 685461-006 — MS Sample Id: 685461-006 S — MSD Sample Id: 685461-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	83.2	200	300	108	300	108	90-110	0	20	mg/kg	01.21.2021 14:02	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148604 — Matrix: Soil — Date Prep: 01.21.2021
Parent Sample Id: 685461-016 — MS Sample Id: 685461-016 S — MSD Sample Id: 685461-016 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<9.90	198	212	107	211	107	90-110	0	20	mg/kg	01.21.2021 15:21	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148431 — Matrix: Solid — Date Prep: 01.20.2021
MB Sample Id: 7719640-1-BLK — LCS Sample Id: 7719640-1-BKS — LCSD Sample Id: 7719640-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	926	93	962	96	70-135	4	35	mg/kg	01.20.2021 19:41	
Diesel Range Organics (DRO)	<50.0	1000	989	99	990	99	70-135	0	35	mg/kg	01.20.2021 19:41	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	89		90		133		70-135	%	01.20.2021 19:41
o-Terphenyl	104		97		118		70-135	%	01.20.2021 19:41

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148432 — Matrix: Solid — Date Prep: 01.20.2021
MB Sample Id: 7719642-1-BLK — LCS Sample Id: 7719642-1-BKS — LCSD Sample Id: 7719642-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	916	92	1020	102	70-135	11	35	mg/kg	01.20.2021 19:41	
Diesel Range Organics (DRO)	<50.0	1000	910	91	916	92	70-135	1	35	mg/kg	01.20.2021 19:41	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	98		94		89		70-135	%	01.20.2021 19:41
o-Terphenyl	92		105		98		70-135	%	01.20.2021 19:41

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Final 1.000

QC Summary 685461

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148431 — Matrix: Solid — Date Prep: 01.20.2021
MB Sample Id: 7719640-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.20.2021 19:21	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148432 — Matrix: Solid — Date Prep: 01.20.2021
MB Sample Id: 7719642-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.20.2021 19:21	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148431 — Matrix: Soil — Date Prep: 01.20.2021
Parent Sample Id: 685440-001 — MS Sample Id: 685440-001 S — MSD Sample Id: 685440-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.3	1010	916	91	973	97	70-135	6	35	mg/kg	01.20.2021 20:42	
Diesel Range Organics (DRO)	<50.3	1010	890	88	872	87	70-135	2	35	mg/kg	01.20.2021 20:42	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	95		101		70-135	%	01.20.2021 20:42
o-Terphenyl	105		112		70-135	%	01.20.2021 20:42

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148432 — Matrix: Soil — Date Prep: 01.20.2021
Parent Sample Id: 685461-009 — MS Sample Id: 685461-009 S — MSD Sample Id: 685461-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.2	1000	919	92	821	82	70-135	11	35	mg/kg	01.20.2021 20:42	
Diesel Range Organics (DRO)	<50.2	1000	823	82	926	93	70-135	12	35	mg/kg	01.20.2021 20:42	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	95		92		70-135	%	01.20.2021 20:42
o-Terphenyl	99		87		70-135	%	01.20.2021 20:42

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Final 1.000

QC Summary 685461

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Landes Pond Release

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3148434 — Matrix: Solid — Date Prep: 01.19.2021
MB Sample Id: 7719631-1-BLK — LCS Sample Id: 7719631-1-BKS — LCSD Sample Id: 7719631-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0990	99	0.0993	99	70-130	0	35	mg/kg	01.20.2021 19:32	
Toluene	<0.00200	0.100	0.0908	91	0.0914	91	70-130	1	35	mg/kg	01.20.2021 19:32	
Ethylbenzene	<0.00200	0.100	0.0939	94	0.0951	95	71-129	1	35	mg/kg	01.20.2021 19:32	
m,p-Xylenes	<0.00400	0.200	0.192	96	0.198	99	70-135	3	35	mg/kg	01.20.2021 19:32	
o-Xylene	<0.00200	0.100	0.0961	96	0.0977	98	71-133	2	35	mg/kg	01.20.2021 19:32	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	96		99		98		70-130	%	01.20.2021 19:32
4-Bromofluorobenzene	110		105		107		70-130	%	01.20.2021 19:32

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3148433 — Matrix: Solid — Date Prep: 01.20.2021
MB Sample Id: 7719632-1-BLK — LCS Sample Id: 7719632-1-BKS — LCSD Sample Id: 7719632-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0907	91	0.105	105	70-130	15	35	mg/kg	01.20.2021 18:52	
Toluene	<0.00200	0.100	0.0870	87	0.101	101	70-130	15	35	mg/kg	01.20.2021 18:52	
Ethylbenzene	<0.00200	0.100	0.0800	80	0.0920	92	71-129	14	35	mg/kg	01.20.2021 18:52	
m,p-Xylenes	<0.00400	0.200	0.163	82	0.186	93	70-135	13	35	mg/kg	01.20.2021 18:52	
o-Xylene	<0.00200	0.100	0.0806	81	0.0929	93	71-133	14	35	mg/kg	01.20.2021 18:52	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		91		94		70-130	%	01.20.2021 18:52
4-Bromofluorobenzene	85		82		86		70-130	%	01.20.2021 18:52

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3148434 — Matrix: Soil — Date Prep: 01.19.2021
Parent Sample Id: 685461-016 — MS Sample Id: 685461-016 S — MSD Sample Id: 685461-016 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.101	0.0919	91	0.0988	98	70-130	7	35	mg/kg	01.20.2021 20:17	
Toluene	<0.00201	0.101	0.0828	82	0.0898	89	70-130	8	35	mg/kg	01.20.2021 20:17	
Ethylbenzene	<0.00201	0.101	0.0806	80	0.0913	90	71-129	12	35	mg/kg	01.20.2021 20:17	
m,p-Xylenes	<0.00402	0.201	0.164	82	0.184	91	70-135	11	35	mg/kg	01.20.2021 20:17	
o-Xylene	<0.00201	0.101	0.0796	79	0.0913	90	71-133	14	35	mg/kg	01.20.2021 20:17	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104		105		70-130	%	01.20.2021 20:17
4-Bromofluorobenzene	110		114		70-130	%	01.20.2021 20:17

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Final 1.000

QC Summary 685461

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Landes Pond Release

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A

Seq Number: 3148433 Matrix: Soil Date Prep: 01.20.2021

Parent Sample Id: 685440-001 MS Sample Id: 685440-001 S MSD Sample Id: 685440-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.103	103	0.0986	99	70-130	4	35	mg/kg	01.20.2021 19:37	
Toluene	<0.00199	0.0996	0.101	101	0.0950	95	70-130	6	35	mg/kg	01.20.2021 19:37	
Ethylbenzene	<0.00199	0.0996	0.0935	94	0.0881	88	71-129	6	35	mg/kg	01.20.2021 19:37	
m,p-Xylenes	<0.00398	0.199	0.191	96	0.181	91	70-135	5	35	mg/kg	01.20.2021 19:37	
o-Xylene	<0.00199	0.0996	0.0939	94	0.0899	90	71-133	4	35	mg/kg	01.20.2021 19:37	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	94		97		70-130	%	01.20.2021 19:37
4-Bromofluorobenzene	84		87		70-130	%	01.20.2021 19:37

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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Chain of Custody

XENCO

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 685461

www.xenco.com Page 1 of 2

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Solaris
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/US ☐ TRR ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	3261	Routine:	☑
Project Location	Rural Eddy County	Rush:	☐
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			CKC

SAMPLE RECEIPT	Temp Blank: (Yes) No	Wet Ice: (Yes) No	
Temperature (°C):	1.8/1.6	Thermometer ID	
Received Intact:	(Yes) No	T-NM-007	
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	
Sample Custody Seals:	Yes (No) N/A	Total Containers:	20

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day received by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005	Sample Comments
FL 59@1'	S	1.20.21		1'	1	X	X	X		
FL 60@1'	S	1.20.21		1'	1	X	X	X		
FL 61@1'	S	1.20.21		1'	1	X	X	X		
FL 62@1'	S	1.20.21		1'	1	X	X	X		
FL 63@1'	S	1.20.21		1'	1	X	X	X		
FL 64@1'	S	1.20.21		1'	1	X	X	X		
FL 65@1'	S	1.20.21		1'	1	X	X	X		
FL 66@1'	S	1.20.21		1'	1	X	X	X		
FL 67@1'	S	1.20.21		1'	1	X	X	X		
FL 68@1'	S	1.20.21		1'	1	X	X	X		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Ace Cuff	1.20.21 1541	2		
3			4		
5			6		

Revised Date 101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
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Final 1.000
Released to Imaging: 7/22/2021 3:04:17 PM

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Chain of Custody

XENCO

Work Order No: 685461

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, El. Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Solaris
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/US ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13211	Routine:	☑
Project Location	Rural Lea County	Rush:	☐
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):		Thermometer ID	See Page 1		
Received Intact:	Yes No				
Cooler Custody Seals:	Yes No N/A	Correction Factor:			
Sample Custody Seals:	Yes No N/A	Total Containers:			

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day received by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005	Sample Comments
FL69@1'	S	1.20.21		1'	B1	X	X	X		
FL70@1'	S	1.20.21		1'	B1	X	X	X		
EW5	S	1.20.21		-	B1	X	X	X		
WW4	S	1.20.21		-	1	X	X	X		
WW3	S	1.20.21		-	1	X	X	X		
EW6	S	1.20.21		-	1	X	X	X		
EW7	S	1.20.21		-	1	X	X	X		
EW8	S	1.20.21		-	1	X	X	X		
SW6	S	1.20.21		-	1	X	X	X		
WW5	S	1.20.21		-	1	X	X	X		

ANALYSIS REQUEST

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Cloe Cruz	1.20.21 1541	2		
3			4		
5			6		

Revised Date 101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
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Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 01.20.2021 05.05.30 PM

Work Order #: 685461

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	1.6	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	Samples received in bulk containers.
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**No**	
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 01.20.2021

Checklist reviewed by: Jessica Kramer Date: 01.21.2021

Jessica Kramer

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Certificate of Analysis Summary 685633

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County, New Mexico

Date Received in Lab: Thu 01.21.2021 15:33
Report Date: 01.26.2021 15:06
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685633-001		685633-002		685633-003		685633-004		685633-005		685633-006	
	Field Id:	FL 71 @ 2'		FL 72 @ 2'		FL 73 @ 2'		FL 74 @ 2'		FL 75 @ 2'		FL 76 @ 2'	
	Depth:	2- ft		2- ft		2- ft		2- ft		2- ft		2- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.21.2021 00:00		01.21.2021 00:00		01.21.2021 00:00		01.21.2021 00:00		01.21.2021 00:00		01.21.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.22.2021 13:00		01.22.2021 13:00		01.22.2021 13:00		01.22.2021 13:00		01.22.2021 13:00		01.22.2021 13:00	
	Analyzed:	01.22.2021 14:33		01.22.2021 14:55		01.22.2021 15:18		01.22.2021 15:40		01.22.2021 16:03		01.22.2021 16:25	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Toluene		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
m,p-Xylenes		<0.00401	0.00401	<0.00399	0.00399	<0.00398	0.00398	<0.00401	0.00401	<0.00399	0.00399	<0.00401	0.00401
o-Xylene		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Total Xylenes		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Total BTEX		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Inorganic Anions by EPA 300	***Extracted:***	01.22.2021 16:12		01.22.2021 16:12		01.22.2021 16:12		01.22.2021 16:12		01.22.2021 16:12		01.22.2021 16:12	
	Analyzed:	01.22.2021 17:06		01.22.2021 17:23		01.22.2021 17:29		01.22.2021 17:34		01.22.2021 17:40		01.22.2021 17:57	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		47.4	9.96	19.2	9.90	74.0	10.0	45.9	9.94	376 D	50.2	377 D	49.8
TPH by SW8015 Mod SUB: T104704400-20-21	***Extracted:***	01.23.2021 10:00		01.23.2021 10:00		01.23.2021 10:00		01.23.2021 10:00		01.23.2021 10:00		01.23.2021 10:00	
	Analyzed:	01.23.2021 11:00		01.23.2021 12:00		01.23.2021 12:30		01.23.2021 12:51		01.24.2021 09:55		01.23.2021 13:31	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9
Diesel Range Organics (DRO)		<49.9	49.9	<50.0	50.0	56.2	50.0	<49.9	49.9	333	50.0	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	86.8	50.0	<49.9	49.9
Total TPH		<49.9	49.9	<50.0	50.0	56.2	50.0	<49.9	49.9	420	50.0	<49.9	49.9

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 685633

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County, New Mexico

Date Received in Lab: Thu 01.21.2021 15:33
Report Date: 01.26.2021 15:06
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685633-007		685633-008		685633-009		685633-010		685633-011		685633-012	
	Field Id:	FL 77 @ 2'		NW 2		NW 3		FL 78 @ 2'		FL 79 @ 1'		FL 80 @ 1'	
	Depth:	2- ft						2- ft		1- ft		1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.21.2021 00:00		01.21.2021 00:00		01.21.2021 00:00		01.21.2021 00:00		01.21.2021 00:00		01.21.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.22.2021 13:00		01.22.2021 13:00		01.22.2021 13:00		01.22.2021 13:00		01.22.2021 13:00		01.22.2021 13:00	
	Analyzed:	01.22.2021 16:48		01.22.2021 17:10		01.22.2021 17:33		01.22.2021 17:55		01.22.2021 19:13		01.22.2021 19:35	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198
Toluene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198
m,p-Xylenes		<0.00401	0.00401	<0.00401	0.00401	<0.00399	0.00399	<0.00401	0.00401	<0.00399	0.00399	<0.00397	0.00397
o-Xylene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198
Total Xylenes		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198
Total BTEX		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198
Inorganic Anions by EPA 300	***Extracted:***	01.22.2021 16:12		01.22.2021 16:12		01.22.2021 16:12		01.22.2021 16:12		01.22.2021 16:12		01.22.2021 16:12	
	Analyzed:	01.22.2021 18:03		01.22.2021 18:08		01.22.2021 18:14		01.22.2021 18:20		01.22.2021 18:26		01.22.2021 18:43	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		411 D	50.3	3310 D	100	2480	99.8	69.7	10.0	69.6	9.90	53.4	10.1
TPH by SW8015 Mod SUB: T104704400-20-21	***Extracted:***	01.23.2021 10:00		01.23.2021 10:00		01.23.2021 10:00		01.23.2021 10:00		01.23.2021 10:00		01.23.2021 10:00	
	Analyzed:	01.23.2021 13:51		01.23.2021 14:11		01.23.2021 14:31		01.23.2021 14:51		01.23.2021 15:31		01.23.2021 15:50	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<50.0	50.0	<49.9	49.9	<49.9	49.9	<49.8	49.8	<50.0	50.0
Diesel Range Organics (DRO)		<49.8	49.8	<50.0	50.0	<49.9	49.9	<49.9	49.9	<49.8	49.8	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<50.0	50.0	<49.9	49.9	<49.9	49.9	<49.8	49.8	<50.0	50.0
Total TPH		<49.8	49.8	<50.0	50.0	<49.9	49.9	<49.9	49.9	<49.8	49.8	<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 685633

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County, New Mexico

Date Received in Lab: Thu 01.21.2021 15:33
Report Date: 01.26.2021 15:06
Project Manager: Jessica Kramer

Analysis Requested																					
	Lab Id:	685633-013				685633-014				685633-015				685633-016				685633-017			
	Field Id:	FL 81 @ 1'				FL 82 @ 1'				FL 83 @ 1'				FL 84 @ 1'				FL 85 @ 1'			
	Depth:	1- ft				1- ft				1- ft				1- ft				1- ft			
	Matrix:	SOIL				SOIL				SOIL				SOIL				SOIL			
	Sampled:	01.21.2021 00:00				01.21.2021 00:00				01.21.2021 00:00				01.21.2021 00:00				01.21.2021 00:00			
BTEX by EPA 8021B	***Extracted:***	01.22.2021 13:00				01.22.2021 13:00				01.22.2021 13:00				01.22.2021 13:00				01.22.2021 13:00			
	Analyzed:	01.22.2021 19:58				01.22.2021 20:20				01.22.2021 20:43				01.22.2021 21:05				01.22.2021 21:27			
	Units/RL:	mg/kg	RL			mg/kg	RL			mg/kg	RL			mg/kg	RL			mg/kg	RL		
Benzene		<0.0000200	0.0000200			<0.00200	0.00200			<0.00202	0.00202			<0.00202	0.00202			<0.00200	0.00200		
Toluene		<0.0000200	0.0000200			<0.00200	0.00200			<0.00202	0.00202			<0.00202	0.00202			<0.00200	0.00200		
Ethylbenzene		<0.0000200	0.0000200			<0.00200	0.00200			<0.00202	0.00202			<0.00202	0.00202			<0.00200	0.00200		
m,p-Xylenes		<0.0000399	0.0000399			<0.00401	0.00401			<0.00403	0.00403			<0.00403	0.00403			<0.00401	0.00401		
o-Xylene		<0.0000200	0.0000200			<0.00200	0.00200			<0.00202	0.00202			<0.00202	0.00202			<0.00200	0.00200		
Total Xylenes		<0.0000200	0.0000200			<0.00200	0.00200			<0.00202	0.00202			<0.00202	0.00202			<0.00200	0.00200		
Total BTEX		<0.0000200	0.0000200			<0.00200	0.00200			<0.00202	0.00202			<0.00202	0.00202			<0.00200	0.00200		
Inorganic Anions by EPA 300	***Extracted:***	01.22.2021 16:12				01.22.2021 16:12				01.22.2021 16:12				01.22.2021 16:12				01.22.2021 16:12			
	Analyzed:	01.22.2021 18:48				01.22.2021 19:05				01.22.2021 19:11				01.22.2021 19:17				01.22.2021 19:22			
	Units/RL:	mg/kg	RL			mg/kg	RL			mg/kg	RL			mg/kg	RL			mg/kg	RL		
Chloride		83.1	10.0			51.5	10.0			104	9.92			97.4	10.1			138	10.0		
TPH by SW8015 Mod SUB: T104704400-20-21	***Extracted:***	01.23.2021 10:00				01.23.2021 10:00				01.23.2021 10:00				01.23.2021 10:00				01.23.2021 10:00			
	Analyzed:	01.23.2021 16:10				01.23.2021 16:30				01.23.2021 16:49				01.23.2021 17:08				01.23.2021 17:27			
	Units/RL:	mg/kg	RL			mg/kg	RL			mg/kg	RL			mg/kg	RL			mg/kg	RL		
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9			<50.0	50.0			<50.0	50.0			<49.9	49.9			<50.0	50.0		
Diesel Range Organics (DRO)		<49.9	49.9			<50.0	50.0			<50.0	50.0			<49.9	49.9			<50.0	50.0		
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9			<50.0	50.0			<50.0	50.0			<49.9	49.9			<50.0	50.0		
Total TPH		<49.9	49.9			<50.0	50.0			<50.0	50.0			<49.9	49.9			<50.0	50.0		

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Analytical Report 685633

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

Landes Pond Release

13261

01.26.2021

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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01.26.2021

Project Manager: **PM**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **685633**
Landes Pond Release
Project Address: Rural Eddy County, New Mexico

PM :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 685633. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 685633 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 685633

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
FL 71 @ 2'	S	01.21.2021 00:00	2 ft	685633-001
FL 72 @ 2'	S	01.21.2021 00:00	2 ft	685633-002
FL 73 @ 2'	S	01.21.2021 00:00	2 ft	685633-003
FL 74 @ 2'	S	01.21.2021 00:00	2 ft	685633-004
FL 75 @ 2'	S	01.21.2021 00:00	2 ft	685633-005
FL 76 @ 2'	S	01.21.2021 00:00	2 ft	685633-006
FL 77 @ 2'	S	01.21.2021 00:00	2 ft	685633-007
NW 2	S	01.21.2021 00:00		685633-008
NW 3	S	01.21.2021 00:00		685633-009
FL 78 @ 2'	S	01.21.2021 00:00	2 ft	685633-010
FL 79 @ 1'	S	01.21.2021 00:00	1 ft	685633-011
FL 80 @ 1'	S	01.21.2021 00:00	1 ft	685633-012
FL 81 @ 1'	S	01.21.2021 00:00	1 ft	685633-013
FL 82 @ 1'	S	01.21.2021 00:00	1 ft	685633-014
FL 83 @ 1'	S	01.21.2021 00:00	1 ft	685633-015
FL 84 @ 1'	S	01.21.2021 00:00	1 ft	685633-016
FL 85 @ 1'	S	01.21.2021 00:00	1 ft	685633-017

CASE NARRATIVE

eurofins | Environment Testing Xenco

Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Landes Pond Release

Project ID: *13261*
Work Order Number(s): *685633*

Report Date: *01.26.2021*
Date Received: *01.21.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3148783 TPH by SW8015 Mod

Surrogate 1-Chlorooctane recovered below QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 685633-001.

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Certificate of Analytical Results 685633

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 71 @ 2'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-001	Date Collected:	01.21.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 16:12	% Moisture:	
Seq Number:	3148797			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**47.4**	9.96	mg/kg	01.22.2021 17:06		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.23.2021 10:00	% Moisture:	
Seq Number:	3148783			Basis:	Wet Weight
				SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.23.2021 11:00	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.23.2021 11:00	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.23.2021 11:00	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.23.2021 11:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	64	%	70-130	01.23.2021 11:00	**
o-Terphenyl	84-15-1	72	%	70-130	01.23.2021 11:00	

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Certificate of Analytical Results 685633

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 71 @ 2'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-001	Date Collected:	01.21.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 13:00	% Moisture:	
Seq Number:	3148770			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.22.2021 14:33	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.22.2021 14:33	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.22.2021 14:33	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.22.2021 14:33	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.22.2021 14:33	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.22.2021 14:33	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.22.2021 14:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	86	%	70-130	01.22.2021 14:33	
1,4-Difluorobenzene	540-36-3	97	%	70-130	01.22.2021 14:33	

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Certificate of Analytical Results 685633

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 72 @ 2'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-002	Date Collected:	01.21.2021 00:00	Sample Depth:	2 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: MAB
Analyst: MAB
Seq Number: 3148797

Date Prep: 01.22.2021 16:12

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**19.2**	9.90	mg/kg	01.22.2021 17:23		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3148783

Date Prep: 01.23.2021 10:00

% Moisture:
Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.23.2021 12:00	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.23.2021 12:00	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.23.2021 12:00	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.23.2021 12:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-130	01.23.2021 12:00	
o-Terphenyl	84-15-1	78	%	70-130	01.23.2021 12:00	

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Certificate of Analytical Results 685633

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 72 @ 2'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-002	Date Collected:	01.21.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 13:00	% Moisture:	
Seq Number:	3148770			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.22.2021 14:55	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.22.2021 14:55	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.22.2021 14:55	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.22.2021 14:55	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.22.2021 14:55	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.22.2021 14:55	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.22.2021 14:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	01.22.2021 14:55	
4-Bromofluorobenzene	460-00-4	89	%	70-130	01.22.2021 14:55	

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Certificate of Analytical Results 685633

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 73 @ 2'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-003	Date Collected:	01.21.2021 00:00	Sample Depth:	2 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: MAB
Analyst: MAB
Seq Number: 3148797

Date Prep: 01.22.2021 16:12

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**74.0**	10.0	mg/kg	01.22.2021 17:29		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3148783

Date Prep: 01.23.2021 10:00

% Moisture:
Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.23.2021 12:30	U	1
Diesel Range Organics (DRO)	C10C28DRO	**56.2**	50.0	mg/kg	01.23.2021 12:30		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.23.2021 12:30	U	1
Total TPH	PHC635	**56.2**	50.0	mg/kg	01.23.2021 12:30		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	77	%	70-130	01.23.2021 12:30	
o-Terphenyl	84-15-1	78	%	70-130	01.23.2021 12:30	

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Certificate of Analytical Results 685633

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 73 @ 2'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-003	Date Collected:	01.21.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 13:00	% Moisture:	
Seq Number:	3148770			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.22.2021 15:18	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.22.2021 15:18	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.22.2021 15:18	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.22.2021 15:18	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.22.2021 15:18	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.22.2021 15:18	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.22.2021 15:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.22.2021 15:18	
4-Bromofluorobenzene	460-00-4	91	%	70-130	01.22.2021 15:18	

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Landes Pond Release

Sample Id:	**FL 74 @ 2'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-004	Date Collected:	01.21.2021 00:00	Sample Depth:	2 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: MAB
Analyst: MAB
Seq Number: 3148797

Date Prep: 01.22.2021 16:12

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**45.9**	9.94	mg/kg	01.22.2021 17:34		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3148783

Date Prep: 01.23.2021 10:00

% Moisture:
Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.23.2021 12:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.23.2021 12:51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.23.2021 12:51	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.23.2021 12:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	70	%	70-130	01.23.2021 12:51	
o-Terphenyl	84-15-1	74	%	70-130	01.23.2021 12:51	

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Landes Pond Release

Sample Id:	**FL 74 @ 2'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-004	Date Collected:	01.21.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 13:00	% Moisture:	
Seq Number:	3148770			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.22.2021 15:40	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.22.2021 15:40	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.22.2021 15:40	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.22.2021 15:40	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.22.2021 15:40	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.22.2021 15:40	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.22.2021 15:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	70-130	01.22.2021 15:40	
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.22.2021 15:40	

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Landes Pond Release

Sample Id:	**FL 75 @ 2'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-005	Date Collected:	01.21.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 16:12	% Moisture:	
Seq Number:	3148797			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**376**	50.2	mg/kg	01.25.2021 17:25	D	5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.23.2021 10:00	% Moisture:	
Seq Number:	3148783			Basis:	Wet Weight
				SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.24.2021 09:55	U	1
Diesel Range Organics (DRO)	C10C28DRO	**333**	50.0	mg/kg	01.24.2021 09:55		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**86.8**	50.0	mg/kg	01.24.2021 09:55		1
Total TPH	PHC635	**420**	50.0	mg/kg	01.24.2021 09:55		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	79	%	70-130	01.24.2021 09:55	
o-Terphenyl	84-15-1	85	%	70-130	01.24.2021 09:55	

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Landes Pond Release

Sample Id:	**FL 75 @ 2'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-005	Date Collected:	01.21.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 13:00	% Moisture:	
Seq Number:	3148770			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.22.2021 16:03	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.22.2021 16:03	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.22.2021 16:03	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.22.2021 16:03	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.22.2021 16:03	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.22.2021 16:03	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.22.2021 16:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	70-130	01.22.2021 16:03	
1,4-Difluorobenzene	540-36-3	99	%	70-130	01.22.2021 16:03	

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Landes Pond Release

Sample Id:	**FL 76 @ 2'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-006	Date Collected:	01.21.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 16:12	% Moisture:	
Seq Number:	3148797			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**377**	49.8	mg/kg	01.25.2021 17:31	D	5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.23.2021 10:00	% Moisture:	
Seq Number:	3148783			Basis:	Wet Weight
				SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.23.2021 13:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.23.2021 13:31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.23.2021 13:31	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.23.2021 13:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	76	%	70-130	01.23.2021 13:31	
o-Terphenyl	84-15-1	81	%	70-130	01.23.2021 13:31	

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Landes Pond Release

Sample Id:	**FL 76 @ 2'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-006	Date Collected:	01.21.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 13:00	% Moisture:	
Seq Number:	3148770			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.22.2021 16:25	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.22.2021 16:25	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.22.2021 16:25	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.22.2021 16:25	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.22.2021 16:25	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.22.2021 16:25	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.22.2021 16:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	01.22.2021 16:25	
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.22.2021 16:25	

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Landes Pond Release

Sample Id:	**FL 77 @ 2'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-007	Date Collected:	01.21.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 16:12	% Moisture:	
Seq Number:	3148797			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**411**	50.3	mg/kg	01.25.2021 17:36	D	5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.23.2021 10:00	% Moisture:	
Seq Number:	3148783			Basis:	Wet Weight
				SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.23.2021 13:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.23.2021 13:51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.23.2021 13:51	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.23.2021 13:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	81	%	70-130	01.23.2021 13:51	
o-Terphenyl	84-15-1	89	%	70-130	01.23.2021 13:51	

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Landes Pond Release

Sample Id:	**FL 77 @ 2'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-007	Date Collected:	01.21.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 13:00	% Moisture:	
Seq Number:	3148770			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.22.2021 16:48	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.22.2021 16:48	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.22.2021 16:48	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.22.2021 16:48	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.22.2021 16:48	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.22.2021 16:48	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.22.2021 16:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	95	%	70-130	01.22.2021 16:48	
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.22.2021 16:48	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id: **NW 2** Matrix: Soil Date Received:01.21.2021 15:33
Lab Sample Id: 685633-008 Date Collected: 01.21.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 01.22.2021 16:12 % Moisture:
Seq Number: 3148797 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3310**	100	mg/kg	01.25.2021 17:42	D	10

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DVM
Analyst: ARM Date Prep: 01.23.2021 10:00 % Moisture:
Seq Number: 3148783 Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.23.2021 14:11	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.23.2021 14:11	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.23.2021 14:11	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.23.2021 14:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	73	%	70-130	01.23.2021 14:11	
o-Terphenyl	84-15-1	81	%	70-130	01.23.2021 14:11	

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Landes Pond Release

Sample Id:	**NW 2**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-008	Date Collected:	01.21.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 13:00	% Moisture:	
Seq Number:	3148770			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.22.2021 17:10	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.22.2021 17:10	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.22.2021 17:10	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.22.2021 17:10	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.22.2021 17:10	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.22.2021 17:10	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.22.2021 17:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	91	%	70-130	01.22.2021 17:10	
1,4-Difluorobenzene	540-36-3	99	%	70-130	01.22.2021 17:10	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id: **NW 3** Matrix: Soil Date Received:01.21.2021 15:33
Lab Sample Id: 685633-009 Date Collected: 01.21.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 01.22.2021 16:12 % Moisture:
Seq Number: 3148797 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2480**	99.8	mg/kg	01.22.2021 18:14		10

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DVM
Analyst: ARM Date Prep: 01.23.2021 10:00 % Moisture:
Seq Number: 3148783 Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.23.2021 14:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.23.2021 14:31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.23.2021 14:31	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.23.2021 14:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	73	%	70-130	01.23.2021 14:31	
o-Terphenyl	84-15-1	82	%	70-130	01.23.2021 14:31	

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Landes Pond Release

Sample Id:	**NW 3**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-009	Date Collected:	01.21.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 13:00	% Moisture:	
Seq Number:	3148770			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.22.2021 17:33	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.22.2021 17:33	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.22.2021 17:33	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.22.2021 17:33	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.22.2021 17:33	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.22.2021 17:33	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.22.2021 17:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	01.22.2021 17:33	
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.22.2021 17:33	

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Certificate of Analytical Results 685633

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 78 @ 2'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-010	Date Collected:	01.21.2021 00:00	Sample Depth:	2 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: MAB
Analyst: MAB
Seq Number: 3148797

Date Prep: 01.22.2021 16:12

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**69.7**	10.0	mg/kg	01.22.2021 18:20		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3148783

Date Prep: 01.23.2021 10:00

% Moisture:
Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.23.2021 14:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.23.2021 14:51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.23.2021 14:51	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.23.2021 14:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	76	%	70-130	01.23.2021 14:51	
o-Terphenyl	84-15-1	80	%	70-130	01.23.2021 14:51	

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Certificate of Analytical Results 685633

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 78 @ 2'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-010	Date Collected:	01.21.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 13:00	% Moisture:	
Seq Number:	3148770			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.22.2021 17:55	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.22.2021 17:55	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.22.2021 17:55	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.22.2021 17:55	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.22.2021 17:55	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.22.2021 17:55	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.22.2021 17:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.22.2021 17:55	
4-Bromofluorobenzene	460-00-4	92	%	70-130	01.22.2021 17:55	

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Landes Pond Release

Sample Id:	**FL 79 @ 1'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-011	Date Collected:	01.21.2021 00:00	Sample Depth:	1 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: MAB
Analyst: MAB
Seq Number: 3148797

Date Prep: 01.22.2021 16:12

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**69.6**	9.90	mg/kg	01.22.2021 18:26		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3148783

Date Prep: 01.23.2021 10:00

% Moisture:
Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.23.2021 15:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.23.2021 15:31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.23.2021 15:31	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.23.2021 15:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	71	%	70-130	01.23.2021 15:31	
o-Terphenyl	84-15-1	77	%	70-130	01.23.2021 15:31	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 79 @ 1'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-011	Date Collected:	01.21.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 13:00	% Moisture:	
Seq Number:	3148770			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.22.2021 19:13	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.22.2021 19:13	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.22.2021 19:13	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.22.2021 19:13	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.22.2021 19:13	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.22.2021 19:13	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.22.2021 19:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	70-130	01.22.2021 19:13	
1,4-Difluorobenzene	540-36-3	99	%	70-130	01.22.2021 19:13	

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Landes Pond Release

Sample Id:	**FL 80 @ 1'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-012	Date Collected:	01.21.2021 00:00	Sample Depth:	1 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: MAB
Analyst: MAB
Seq Number: 3148797

Date Prep: 01.22.2021 16:12

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**53.4**	10.1	mg/kg	01.22.2021 18:43		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3148783

Date Prep: 01.23.2021 10:00

% Moisture:
Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.23.2021 15:50	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.23.2021 15:50	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.23.2021 15:50	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.23.2021 15:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	78	%	70-130	01.23.2021 15:50	
o-Terphenyl	84-15-1	83	%	70-130	01.23.2021 15:50	

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Landes Pond Release

Sample Id:	**FL 80 @ 1'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-012	Date Collected:	01.21.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 13:00	% Moisture:	
Seq Number:	3148770			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.22.2021 19:35	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.22.2021 19:35	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.22.2021 19:35	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.22.2021 19:35	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.22.2021 19:35	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.22.2021 19:35	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.22.2021 19:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.22.2021 19:35	
4-Bromofluorobenzene	460-00-4	91	%	70-130	01.22.2021 19:35	

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Landes Pond Release

Sample Id:	**FL 81 @ 1'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-013	Date Collected:	01.21.2021 00:00	Sample Depth:	1 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 01.22.2021 16:12 % Moisture:

Seq Number: 3148797 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**83.1**	10.0	mg/kg	01.22.2021 18:48		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 01.23.2021 10:00 % Moisture:

Seq Number: 3148783 Basis: Wet Weight

SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.23.2021 16:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.23.2021 16:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.23.2021 16:10	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.23.2021 16:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	74	%	70-130	01.23.2021 16:10	
o-Terphenyl	84-15-1	78	%	70-130	01.23.2021 16:10	

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Landes Pond Release

Sample Id:	**FL 81 @ 1'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-013	Date Collected:	01.21.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 13:00	% Moisture:	
Seq Number:	3148770			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0000200	0.0000200	mg/kg	01.22.2021 19:58	U	1
Toluene	108-88-3	<0.0000200	0.0000200	mg/kg	01.22.2021 19:58	U	1
Ethylbenzene	100-41-4	<0.0000200	0.0000200	mg/kg	01.22.2021 19:58	U	1
m,p-Xylenes	179601-23-1	<0.0000399	0.0000399	mg/kg	01.22.2021 19:58	U	1
o-Xylene	95-47-6	<0.0000200	0.0000200	mg/kg	01.22.2021 19:58	U	1
Total Xylenes	1330-20-7	<0.0000200	0.0000200	mg/kg	01.22.2021 19:58	U	1
Total BTEX		<0.0000200	0.0000200	mg/kg	01.22.2021 19:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	01.22.2021 19:58	
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.22.2021 19:58	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 82 @ 1'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-014	Date Collected:	01.21.2021 00:00	Sample Depth:	1 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: MAB
Analyst: MAB
Seq Number: 3148797

Date Prep: 01.22.2021 16:12

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**51.5**	10.0	mg/kg	01.22.2021 19:05		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3148783

Date Prep: 01.23.2021 10:00

% Moisture:
Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.23.2021 16:30	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.23.2021 16:30	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.23.2021 16:30	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.23.2021 16:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	77	%	70-130	01.23.2021 16:30	
o-Terphenyl	84-15-1	80	%	70-130	01.23.2021 16:30	

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Landes Pond Release

Sample Id:	**FL 82 @ 1'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-014	Date Collected:	01.21.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 13:00	% Moisture:	
Seq Number:	3148770			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.22.2021 20:20	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.22.2021 20:20	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.22.2021 20:20	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.22.2021 20:20	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.22.2021 20:20	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.22.2021 20:20	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.22.2021 20:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.22.2021 20:20	
4-Bromofluorobenzene	460-00-4	92	%	70-130	01.22.2021 20:20	

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Landes Pond Release

Sample Id:	**FL 83 @ 1'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-015	Date Collected:	01.21.2021 00:00	Sample Depth:	1 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: MAB
Analyst: MAB
Seq Number: 3148797

Date Prep: 01.22.2021 16:12

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**104**	9.92	mg/kg	01.22.2021 19:11		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3148783

Date Prep: 01.23.2021 10:00

% Moisture:
Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.23.2021 16:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.23.2021 16:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.23.2021 16:49	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.23.2021 16:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	79	%	70-130	01.23.2021 16:49	
o-Terphenyl	84-15-1	86	%	70-130	01.23.2021 16:49	

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Landes Pond Release

Sample Id:	**FL 83 @ 1'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-015	Date Collected:	01.21.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 13:00	% Moisture:	
Seq Number:	3148770			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.22.2021 20:43	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.22.2021 20:43	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.22.2021 20:43	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.22.2021 20:43	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.22.2021 20:43	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.22.2021 20:43	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.22.2021 20:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.22.2021 20:43	
4-Bromofluorobenzene	460-00-4	91	%	70-130	01.22.2021 20:43	

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Landes Pond Release

Sample Id:	**FL 84 @ 1'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-016	Date Collected:	01.21.2021 00:00	Sample Depth:	1 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: MAB
Analyst: MAB
Seq Number: 3148797

Date Prep: 01.22.2021 16:12

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**97.4**	10.1	mg/kg	01.22.2021 19:17		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3148783

Date Prep: 01.23.2021 10:00

% Moisture:
Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.23.2021 17:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.23.2021 17:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.23.2021 17:08	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.23.2021 17:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	78	%	70-130	01.23.2021 17:08	
o-Terphenyl	84-15-1	84	%	70-130	01.23.2021 17:08	

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Certificate of Analytical Results 685633

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 84 @ 1'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-016	Date Collected:	01.21.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 13:00	% Moisture:	
Seq Number:	3148770			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.22.2021 21:05	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.22.2021 21:05	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.22.2021 21:05	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.22.2021 21:05	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.22.2021 21:05	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.22.2021 21:05	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.22.2021 21:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.22.2021 21:05	
4-Bromofluorobenzene	460-00-4	94	%	70-130	01.22.2021 21:05	

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Certificate of Analytical Results 685633

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 85 @ 1'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-017	Date Collected:	01.21.2021 00:00	Sample Depth:	1 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 01.22.2021 16:12 % Moisture:

Seq Number: 3148797 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**138**	10.0	mg/kg	01.22.2021 19:22		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 01.23.2021 10:00 % Moisture:

Seq Number: 3148783 Basis: Wet Weight

SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.23.2021 17:27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.23.2021 17:27	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.23.2021 17:27	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.23.2021 17:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-130	01.23.2021 17:27	
o-Terphenyl	84-15-1	94	%	70-130	01.23.2021 17:27	

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Certificate of Analytical Results 685633

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 85 @ 1'**	Matrix:	Soil	Date Received:	01.21.2021 15:33
Lab Sample Id:	685633-017	Date Collected:	01.21.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.22.2021 13:00	% Moisture:	
Seq Number:	3148770			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.22.2021 21:27	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.22.2021 21:27	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.22.2021 21:27	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.22.2021 21:27	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.22.2021 21:27	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.22.2021 21:27	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.22.2021 21:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	01.22.2021 21:27	
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.22.2021 21:27	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 685633

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148797 — Matrix: Solid — Date Prep: 01.22.2021
MB Sample Id: 7719906-1-BLK — LCS Sample Id: 7719906-1-BKS — LCSD Sample Id: 7719906-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	200	215	108	213	107	90-110	1	20	mg/kg	01.22.2021 16:55	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148797 — Matrix: Soil — Date Prep: 01.22.2021
Parent Sample Id: 685633-001 — MS Sample Id: 685633-001 S — MSD Sample Id: 685633-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	47.4	201	263	107	259	106	90-110	2	20	mg/kg	01.22.2021 17:12	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3148797 — Matrix: Soil — Date Prep: 01.22.2021
Parent Sample Id: 685633-011 — MS Sample Id: 685633-011 S — MSD Sample Id: 685633-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	69.6	201	284	107	282	107	90-110	1	20	mg/kg	01.22.2021 18:31	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148783 — Matrix: Solid — Date Prep: 01.23.2021
MB Sample Id: 7719886-1-BLK — LCS Sample Id: 7719886-1-BKS — LCSD Sample Id: 7719886-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	500	581	116	588	118	70-130	1	20	mg/kg	01.23.2021 10:20	
Diesel Range Organics (DRO)	<50.0	500	548	110	540	108	70-130	1	20	mg/kg	01.23.2021 10:20	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	78		89		91		70-130	%	01.23.2021 10:20
o-Terphenyl	90		86		85		70-130	%	01.23.2021 10:20

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148783 — Matrix: Solid — Date Prep: 01.23.2021
MB Sample Id: 7719886-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.23.2021 10:01	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 685633

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148783 — Matrix: Soil — Date Prep: 01.23.2021
Parent Sample Id: 685633-001 — MS Sample Id: 685633-001 S — MSD Sample Id: 685633-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	500	568	114	552	111	70-130	3	20	mg/kg	01.23.2021 11:20	
Diesel Range Organics (DRO)	<50.0	500	560	112	538	108	70-130	4	20	mg/kg	01.23.2021 11:20	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	78		79		70-130	%	01.23.2021 11:20
o-Terphenyl	73		72		70-130	%	01.23.2021 11:20

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3148770 — Matrix: Solid — Date Prep: 01.22.2021
MB Sample Id: 7719890-1-BLK — LCS Sample Id: 7719890-1-BKS — LCSD Sample Id: 7719890-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0941	94	0.0932	93	70-130	1	35	mg/kg	01.22.2021 12:30	
Toluene	<0.00200	0.100	0.0896	90	0.0894	89	70-130	0	35	mg/kg	01.22.2021 12:30	
Ethylbenzene	<0.00200	0.100	0.0830	83	0.0820	82	71-129	1	35	mg/kg	01.22.2021 12:30	
m,p-Xylenes	<0.00400	0.200	0.167	84	0.164	82	70-135	2	35	mg/kg	01.22.2021 12:30	
o-Xylene	<0.00200	0.100	0.0833	83	0.0826	83	71-133	1	35	mg/kg	01.22.2021 12:30	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	97		95		96		70-130	%	01.22.2021 12:30
4-Bromofluorobenzene	89		86		84		70-130	%	01.22.2021 12:30

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3148770 — Matrix: Soil — Date Prep: 01.22.2021
Parent Sample Id: 685633-001 — MS Sample Id: 685633-001 S — MSD Sample Id: 685633-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.101	101	0.106	106	70-130	5	35	mg/kg	01.22.2021 13:15	
Toluene	<0.00200	0.100	0.0907	91	0.0996	100	70-130	9	35	mg/kg	01.22.2021 13:15	
Ethylbenzene	<0.00200	0.100	0.0752	75	0.0878	88	71-129	15	35	mg/kg	01.22.2021 13:15	
m,p-Xylenes	<0.00401	0.200	0.150	75	0.176	88	70-135	16	35	mg/kg	01.22.2021 13:15	
o-Xylene	<0.00200	0.100	0.0743	74	0.0853	85	71-133	14	35	mg/kg	01.22.2021 13:15	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	96		95		70-130	%	01.22.2021 13:15
4-Bromofluorobenzene	90		88		70-130	%	01.22.2021 13:15

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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XENCO LABORATORIES

Chain of Custody

Work Order No: 685633

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Craslbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701
www.xenco.com

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	ETech Environmental & Safety	Company Name:	Solaris
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	PM@etechenv.com + client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine	☑
Project Location	Rural Eddy county	Rush:	
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	Yes (No)
Temperature (°C):	6.0/5.8	Thermometer ID	
Received Intact:	(Yes) No	T-NM-007	
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes (No) N/A	Total Containers:	17

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Chlorides	BTEX	TPH	Sample Comments
	FL 71@2'	S	1.21.21		2'	1	X	X	X	
	FL 72@2'	S	1.21.21		2'	1	X	X	X	
	FL 73@2'	S	1.21.21		2'	1	X	X	X	
	FL 74@2'	S	1.21.21		2'	1	X	X	X	
	FL 75@2'	S	1.21.21		2'	1	X	X	X	
	FL 76@2'	S	1.21.21		2'	1	X	X	X	
	FL 77@2'	S	1.21.21		2'	1	X	X	X	
	NW2	S	1.21.21		-	1	X	X	X	
	NW3	S	1.21.21		-	1	X	X	X	
	FL 78@2'	S	1.21.21		2'	1	X	X	X	

ANALYSIS REQUEST (Pres. Code)

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U
1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
	Cloe Cerda	1.21.21 1533	2		
			4		
			6		

Revised Date 022619 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Final 1.000
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Released to Imaging: 7/22/2021 3:04:17 PM

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Chain of Custody

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Craslbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689 6701 www.xenco.com

Work Order No: 6851633

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	ETech Environmental & Safety	Company Name:	Solaris
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM 88260	City, State ZIP:	PM@etechenv.com
Phone:	575.396.2378	Email:	PM@etechenv.com + client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine ☑	
Project Location	Rural Eddy county, NM	Rush:	
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):		Thermometer ID	See Page 1
Received Intact:	Yes No		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Total Containers:	

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn
TAT starts the day recevied by the lab, if received by 4:00pm

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Pres. Code	Chlorides	BTEX	TPH	Sample Comments
	FL 79 @ 2'	S	1.21.21		2'	1		X	X	X	
	FL 80 @ 1'	S	1.21.21		1'	1		X	X	X	
	FL 81 @ 1'	S	1.21.21		1'	1		X	X	X	
	FL 82 @ 1'	S	1.21.21		1'	1		X	X	X	
	FL 83 @ 1'	S	1.21.21		1'	1		X	X	X	
	FL 84 @ 1'	S	1.21.21		1'	1		X	X	X	
	FL 85 @ 1'	S	1.21.21		1'	1		X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
	Chase Capps	1.21.21 1533	2		
			4		
			6		

Received by OCD: 4/8/2021 7:58:59 AM
Final 1.000
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Released to Imaging: 7/22/2021 3:04:17 PM

Inter-Office Shipment

IOS Number : 76900

Date/Time: 01.22.2021
Lab# From: **Carlsbad**
Lab# To: **Midland**
Created by: Cloe Clifton
Delivery Priority:
Air Bill No.:
Please send report to: Jessica Kramer
Address: 1089 N Canal Street
E-Mail: jessica.kramer@eurofinset.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
685633-001	S	FL 71 @ 2'	01.21.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	01.27.2021	02.04.2021	JKR	PHCC10C28 PHCC28C3	
685633-002	S	FL 72 @ 2'	01.21.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	01.27.2021	02.04.2021	JKR	PHCC10C28 PHCC28C3	
685633-003	S	FL 73 @ 2'	01.21.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	01.27.2021	02.04.2021	JKR	PHCC10C28 PHCC28C3	
685633-004	S	FL 74 @ 2'	01.21.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	01.27.2021	02.04.2021	JKR	PHCC10C28 PHCC28C3	
685633-005	S	FL 75 @ 2'	01.21.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	01.27.2021	02.04.2021	JKR	PHCC10C28 PHCC28C3	
685633-006	S	FL 76 @ 2'	01.21.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	01.27.2021	02.04.2021	JKR	PHCC10C28 PHCC28C3	
685633-007	S	FL 77 @ 2'	01.21.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	01.27.2021	02.04.2021	JKR	PHCC10C28 PHCC28C3	
685633-008	S	NW 2	01.21.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	01.27.2021	02.04.2021	JKR	PHCC10C28 PHCC28C3	
685633-009	S	NW 3	01.21.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	01.27.2021	02.04.2021	JKR	PHCC10C28 PHCC28C3	
685633-010	S	FL 78 @ 2'	01.21.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	01.27.2021	02.04.2021	JKR	PHCC10C28 PHCC28C3	
685633-011	S	FL 79 @ 1'	01.21.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	01.27.2021	02.04.2021	JKR	PHCC10C28 PHCC28C3	
685633-012	S	FL 80 @ 1'	01.21.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	01.27.2021	02.04.2021	JKR	PHCC10C28 PHCC28C3	
685633-013	S	FL 81 @ 1'	01.21.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	01.27.2021	02.04.2021	JKR	PHCC10C28 PHCC28C3	
685633-014	S	FL 82 @ 1'	01.21.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	01.27.2021	02.04.2021	JKR	PHCC10C28 PHCC28C3	
685633-015	S	FL 83 @ 1'	01.21.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	01.27.2021	02.04.2021	JKR	PHCC10C28 PHCC28C3	
685633-016	S	FL 84 @ 1'	01.21.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	01.27.2021	02.04.2021	JKR	PHCC10C28 PHCC28C3	
685633-017	S	FL 85 @ 1'	01.21.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	01.27.2021	02.04.2021	JKR	PHCC10C28 PHCC28C3	

Inter Office Shipment or Sample Comments:

Relinquished By: Cloe Clifton
Date Relinquished: 01.22.2021

Received By: Jessica Kramer
Date Received: 01.22.2021
Cooler Temperature: 1.5

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Eurofins Xenco, LLC

Inter Office Report- Sample Receipt Checklist

Sent To: Midland

IOS #: 76900

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used :

Sent By: Cloe Clifton **Date Sent:** 01.22.2021 10.26 AM

Received By: Jessica Kramer **Date Received:** 01.22.2021 02.07 PM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	1.5	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 *Custody Seals Signed and dated for Containers/coolers	**Yes**	
#6 *IOS present?	**Yes**	
#7 Any missing/extra samples?	**No**	
#8 IOS agrees with sample label(s)/matrix?	**Yes**	
#9 Sample matrix/ properties agree with IOS?	**Yes**	
#10 Samples in proper container/ bottle?	**Yes**	
#11 Samples properly preserved?	**Yes**	
#12 Sample container(s) intact?	**Yes**	
#13 Sufficient sample amount for indicated test(s)?	**Yes**	
#14 All samples received within hold time?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date:** _____

Checklist reviewed by: Jessica Kramer Date: 01.22.2021

Jessica Kramer

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 01.21.2021 03.33.00 PM

Work Order #: 685633

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	5.8	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	Samples received in bulk containers.
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**Yes**	TPH sent to Midland.
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 01.22.2021

Checklist reviewed by: Jessica Kramer Date: 01.22.2021

Jessica Kramer

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Certificate of Analysis Summary 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13291
Contact: PM
Project Location: Rural Eddy Co., NM

Date Received in Lab: Tue 01.26.2021 13:44
Report Date: 02.02.2021 10:38
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685949-001		685949-002		685949-003		685949-004		685949-005		685949-006	
	Field Id:	FL 86 @ 1'		FL 87 @ 1'		FL 88 @ 1'		FL 89 @ 1'		FL 90 @ 1'		FL 91 @ 1'	
	Depth:	1- ft		1- ft		1- ft		1- ft		1- ft		1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.22.2021 00:00		01.22.2021 00:00		01.22.2021 00:00		01.22.2021 00:00		01.22.2021 00:00		01.22.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.28.2021 17:00		01.27.2021 15:00		01.27.2021 15:00		01.27.2021 15:00		01.27.2021 15:00		01.27.2021 15:00	
	Analyzed:	01.29.2021 03:35		01.27.2021 18:36		01.27.2021 18:57		01.28.2021 00:07		01.28.2021 00:27		01.28.2021 00:48	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		0.00787	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198
Toluene		0.00640	0.00199	<0.00199	0.00199	0.00279	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198
Ethylbenzene		<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198
m,p-Xylenes		<0.00398	0.00398	<0.00398	0.00398	<0.00400	0.00400	<0.00399	0.00399	<0.00402	0.00402	<0.00397	0.00397
o-Xylene		<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198
Total Xylenes		<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198
Total BTEX		0.0143	0.00199	<0.00199	0.00199	0.00279	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198
Inorganic Anions by EPA 300	***Extracted:***	01.27.2021 12:30		01.27.2021 12:30		01.27.2021 12:30		01.27.2021 14:15		01.27.2021 14:15		01.27.2021 14:15	
	Analyzed:	01.27.2021 17:27		01.27.2021 17:32		01.27.2021 17:38		01.27.2021 16:25		01.27.2021 16:41		01.27.2021 16:46	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		50.4	5.00	341	4.99	26.2	5.02	18.8 X	5.05	80.2	4.98	84.8	4.99
TPH by SW8015 Mod	***Extracted:***	01.28.2021 12:00		01.28.2021 12:00		01.28.2021 12:00		01.28.2021 12:00		01.28.2021 12:00		01.28.2021 12:00	
	Analyzed:	01.29.2021 13:33		01.29.2021 14:44		01.29.2021 15:05		01.29.2021 15:27		01.29.2021 15:49		01.29.2021 16:10	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<49.9	49.9
Diesel Range Organics (DRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<49.9	49.9
Total TPH		<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<49.9	49.9

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13291
Contact: PM
Project Location: Rural Eddy Co., NM

Date Received in Lab: Tue 01.26.2021 13:44
Report Date: 02.02.2021 10:38
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685949-007		685949-008		685949-009		685949-010		685949-011		685949-012	
	Field Id:	FL 92 @ 1'		FL 93 @ 1'		FL 94 @ 1'		FL 95 @ 1'		FL 96 @ 1'		FL 97 @ 1'	
	Depth:	1- ft		1- ft		1- ft		1- ft		1- ft		1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.22.2021 00:00		01.22.2021 00:00		01.22.2021 00:00		01.22.2021 00:00		01.22.2021 00:00		01.22.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.27.2021 15:00		01.27.2021 15:00		01.27.2021 15:00		01.27.2021 15:00		01.27.2021 17:00		01.27.2021 17:00	
	Analyzed:	01.28.2021 01:09		01.28.2021 01:29		01.28.2021 01:50		01.28.2021 02:11		01.28.2021 05:35		01.28.2021 05:56	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198	<0.00202	0.00202
Toluene		<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	0.0408 XF	0.00198	0.0211	0.00202
Ethylbenzene		<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	0.0170 XF	0.00198	0.00956	0.00202
m,p-Xylenes		<0.00399	0.00399	<0.00398	0.00398	<0.00404	0.00404	<0.00399	0.00399	0.0523 XF	0.00396	0.0274	0.00403
o-Xylene		<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	0.0229 XF	0.00198	0.0127	0.00202
Total Xylenes		<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	0.0752	0.00198	0.0401	0.00202
Total BTEX		<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	0.133	0.00198	0.0708	0.00202
Inorganic Anions by EPA 300	***Extracted:***	01.27.2021 14:15		01.27.2021 14:15		01.27.2021 14:15		01.27.2021 14:15		01.27.2021 14:15		01.27.2021 14:15	
	Analyzed:	01.27.2021 16:52		01.27.2021 16:57		01.27.2021 17:13		01.27.2021 17:18		01.27.2021 17:24		01.27.2021 17:29	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		90.5	5.03	76.0	4.96	97.5	5.00	26.8	5.00	168	5.00	33.8	4.95
TPH by SW8015 Mod	***Extracted:***	01.28.2021 12:00		01.28.2021 12:00		01.28.2021 12:00		01.28.2021 12:00		01.28.2021 12:00		01.28.2021 12:00	
	Analyzed:	01.29.2021 16:32		01.29.2021 18:20		01.29.2021 18:41		01.29.2021 19:03		01.29.2021 19:46		01.29.2021 20:07	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9
Diesel Range Organics (DRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9
Total TPH		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13291
Contact: PM
Project Location: Rural Eddy Co., NM

Date Received in Lab: Tue 01.26.2021 13:44
Report Date: 02.02.2021 10:38
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685949-013		685949-014		685949-015		685949-016		685949-017		685949-018	
	Field Id:	FL 98 @ 1'		FL 99 @ 1'		FL 104 @ 1'		FL 105 @ 1'		FL 106 @ 1'		FL 107 @ 1'	
	Depth:	1- ft		1- ft		1- ft		1- ft		1- ft		1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.22.2021 00:00		01.22.2021 00:00		01.22.2021 00:00		01.22.2021 00:00		01.22.2021 00:00		01.22.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00	
	Analyzed:	01.28.2021 06:16		01.28.2021 06:37		01.28.2021 06:58		01.28.2021 07:18		01.28.2021 07:39		01.28.2021 08:00	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00198	0.00198
Toluene		0.0129	0.00199	0.0115	0.00200	0.00750	0.00200	0.00460	0.00201	<0.00199	0.00199	<0.00198	0.00198
Ethylbenzene		0.00485	0.00199	0.00516	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00198	0.00198
m,p-Xylenes		0.0167	0.00398	0.0158	0.00399	0.00682	0.00400	0.00487	0.00402	<0.00398	0.00398	<0.00397	0.00397
o-Xylene		0.00730	0.00199	0.00743	0.00200	0.00370	0.00200	0.00248	0.00201	<0.00199	0.00199	<0.00198	0.00198
Total Xylenes		0.0240	0.00199	0.0232	0.00200	0.0105	0.00200	0.00735	0.00201	<0.00199	0.00199	<0.00198	0.00198
Total BTEX		0.0418	0.00199	0.0399	0.00200	0.0180	0.00200	0.0120	0.00201	<0.00199	0.00199	<0.00198	0.00198
Inorganic Anions by EPA 300	***Extracted:***	01.27.2021 14:15		01.27.2021 14:15		01.27.2021 14:15		01.27.2021 14:15		01.27.2021 14:15		01.27.2021 14:15	
	Analyzed:	01.27.2021 17:34		01.27.2021 17:40		01.27.2021 17:56		01.27.2021 18:01		01.27.2021 18:17		01.27.2021 18:22	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		14.5	5.05	29.4	4.99	94.2	5.02	56.3	5.05	246	4.98	343	4.95
TPH by SW8015 Mod	***Extracted:***	01.28.2021 12:00		01.28.2021 12:00		01.28.2021 12:00		01.28.2021 12:00		01.28.2021 12:00		01.28.2021 12:00	
	Analyzed:	01.29.2021 20:29		01.29.2021 20:51		01.29.2021 21:12		01.29.2021 21:34		01.29.2021 21:55		01.29.2021 22:17	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8
Total TPH		<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13291
Contact: PM
Project Location: Rural Eddy Co., NM

Date Received in Lab: Tue 01.26.2021 13:44
Report Date: 02.02.2021 10:38
Project Manager: Jessica Kramer

Analysis Requested											
	Lab Id:	685949-019		685949-020		685949-021					
	Field Id:	FL 110 @ 1'		FL 111 @ 1'		FL 112 @ 1'					
	Depth:	1- ft		1- ft		1- ft					
	Matrix:	SOIL		SOIL		SOIL					
	Sampled:	01.22.2021 00:00		01.22.2021 00:00		01.22.2021 00:00					
BTEX by EPA 8021B	***Extracted:***	01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00					
	Analyzed:	01.28.2021 08:20		01.28.2021 08:41		01.28.2021 10:23					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Benzene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200				
Toluene		0.00432	0.00200	<0.00199	0.00199	<0.00200	0.00200				
Ethylbenzene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200				
m,p-Xylenes		<0.00400	0.00400	<0.00398	0.00398	<0.00399	0.00399				
o-Xylene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200				
Total Xylenes		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200				
Total BTEX		0.00432	0.00200	<0.00199	0.00199	<0.00200	0.00200				
Inorganic Anions by EPA 300	***Extracted:***	01.27.2021 14:15		01.27.2021 14:15		01.27.2021 14:15					
	Analyzed:	01.27.2021 18:28		01.27.2021 18:33		01.27.2021 18:38					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		708	5.03	488	5.00	30.0	5.00				
TPH by SW8015 Mod	***Extracted:***	01.28.2021 12:00		01.28.2021 12:00		01.30.2021 11:00					
	Analyzed:	01.29.2021 22:39		01.29.2021 23:01		01.31.2021 03:54					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0				
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0				
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0				
Total TPH		<50.0	50.0	<49.9	49.9	<50.0	50.0				

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Analytical Report 685949

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

Landes Pond Release

13291

02.02.2021

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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02.02.2021

Project Manager: **PM**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **685949**
Landes Pond Release
Project Address: Rural Eddy Co., NM

PM :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 685949. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 685949 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
FL 86 @ 1'	S	01.22.2021 00:00	1 ft	685949-001
FL 87 @ 1'	S	01.22.2021 00:00	1 ft	685949-002
FL 88 @ 1'	S	01.22.2021 00:00	1 ft	685949-003
FL 89 @ 1'	S	01.22.2021 00:00	1 ft	685949-004
FL 90 @ 1'	S	01.22.2021 00:00	1 ft	685949-005
FL 91 @ 1'	S	01.22.2021 00:00	1 ft	685949-006
FL 92 @ 1'	S	01.22.2021 00:00	1 ft	685949-007
FL 93 @ 1'	S	01.22.2021 00:00	1 ft	685949-008
FL 94 @ 1'	S	01.22.2021 00:00	1 ft	685949-009
FL 95 @ 1'	S	01.22.2021 00:00	1 ft	685949-010
FL 96 @ 1'	S	01.22.2021 00:00	1 ft	685949-011
FL 97 @ 1'	S	01.22.2021 00:00	1 ft	685949-012
FL 98 @ 1'	S	01.22.2021 00:00	1 ft	685949-013
FL 99 @ 1'	S	01.22.2021 00:00	1 ft	685949-014
FL 104 @ 1'	S	01.22.2021 00:00	1 ft	685949-015
FL 105 @ 1'	S	01.22.2021 00:00	1 ft	685949-016
FL 106 @ 1'	S	01.22.2021 00:00	1 ft	685949-017
FL 107 @ 1'	S	01.22.2021 00:00	1 ft	685949-018
FL 110 @ 1'	S	01.22.2021 00:00	1 ft	685949-019
FL 111 @ 1'	S	01.22.2021 00:00	1 ft	685949-020
FL 112 @ 1'	S	01.22.2021 00:00	1 ft	685949-021

CASE NARRATIVE

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Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Landes Pond Release

Project ID: *13291*
Work Order Number(s): *685949*

Report Date: *02.02.2021*
Date Received: *01.26.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3149159 BTEX by EPA 8021B

Surrogate 1,4-Difluorobenzene, Surrogate 4-Bromofluorobenzene recovered below QC limits. Samples affected are: 7720186-1-BLK,685949-011 SD.

Lab Sample ID 685949-011 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). o-Xylene recovered below QC limits in the Matrix Spike Duplicate. m,p-Xylenes, o-Xylene recovered above QC limits in the Matrix Spike. Benzene, Ethylbenzene, Toluene recovered above QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 685949-011, -012, -013, -014, -015, -016, -017, -018, -019, -020.
The Laboratory Control Sample for Toluene, Benzene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.

Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene Relative Percent Difference (RPD) between matrix spike and duplicate were above quality control limits.
Samples in the analytical batch are: 685949-011, -012, -013, -014, -015, -016, -017, -018, -019, -020

Batch: LBA-3149194 Inorganic Anions by EPA 300

Lab Sample ID 685949-014 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 685949-004, -005, -006, -007, -008, -009, -010, -011, -012, -013, -014, -015, -016, -017, -018, -019, -020, -021.
The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3149584 TPH by SW8015 Mod

Surrogate o-Terphenyl recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 685949-012.

Batch: LBA-3149652 TPH by SW8015 Mod

Surrogate o-Terphenyl recovered above QC limits Data confirmed by re-analysis. Samples affected are: 7720483-1-BLK,685949-021.

CASE NARRATIVE

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Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Landes Pond Release

Project ID:	*13291*	Report Date:	*02.02.2021*
Work Order Number(s):	*685949*	Date Received:	*01.26.2021*

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 86 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-001	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: CHE
Analyst: CHE
Seq Number: 3149192

Date Prep: 01.27.2021 12:30

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**50.4**	5.00	mg/kg	01.27.2021 17:27		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3149584

Date Prep: 01.28.2021 12:00

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.29.2021 13:33	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.29.2021 13:33	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.29.2021 13:33	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.29.2021 13:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-130	01.29.2021 13:33	
o-Terphenyl	84-15-1	112	%	70-130	01.29.2021 13:33	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 86 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-001	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.28.2021 17:00	% Moisture:	
Seq Number:	3149295			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.00787**	0.00199	mg/kg	01.29.2021 03:35		1
Toluene	108-88-3	**0.00640**	0.00199	mg/kg	01.29.2021 03:35		1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.29.2021 03:35	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.29.2021 03:35	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.29.2021 03:35	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.29.2021 03:35	U	1
Total BTEX		**0.0143**	0.00199	mg/kg	01.29.2021 03:35		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.29.2021 03:35	
4-Bromofluorobenzene	460-00-4	98	%	70-130	01.29.2021 03:35	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 87 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-002	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 12:30	% Moisture:	
Seq Number:	3149192			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**341**	4.99	mg/kg	01.27.2021 17:32		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.28.2021 12:00	% Moisture:	
Seq Number:	3149584			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.29.2021 14:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.29.2021 14:44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.29.2021 14:44	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.29.2021 14:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-130	01.29.2021 14:44	
o-Terphenyl	84-15-1	115	%	70-130	01.29.2021 14:44	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 87 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-002	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 15:00	% Moisture:	
Seq Number:	3149158			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.27.2021 18:36	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.27.2021 18:36	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.27.2021 18:36	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.27.2021 18:36	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.27.2021 18:36	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.27.2021 18:36	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.27.2021 18:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	01.27.2021 18:36	
1,4-Difluorobenzene	540-36-3	114	%	70-130	01.27.2021 18:36	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 88 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-003	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 12:30	% Moisture:	
Seq Number:	3149192			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**26.2**	5.02	mg/kg	01.27.2021 17:38		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.28.2021 12:00	% Moisture:	
Seq Number:	3149584			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.29.2021 15:05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.29.2021 15:05	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.29.2021 15:05	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.29.2021 15:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-130	01.29.2021 15:05	
o-Terphenyl	84-15-1	117	%	70-130	01.29.2021 15:05	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 88 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-003	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 15:00	% Moisture:	
Seq Number:	3149158			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.27.2021 18:57	U	1
Toluene	108-88-3	**0.00279**	0.00200	mg/kg	01.27.2021 18:57		1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.27.2021 18:57	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	01.27.2021 18:57	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.27.2021 18:57	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.27.2021 18:57	U	1
Total BTEX		**0.00279**	0.00200	mg/kg	01.27.2021 18:57		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	112	%	70-130	01.27.2021 18:57	
4-Bromofluorobenzene	460-00-4	120	%	70-130	01.27.2021 18:57	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 89 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-004	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 14:15	% Moisture:	
Seq Number:	3149194			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**18.8**	5.05	mg/kg	01.27.2021 16:25	X	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.28.2021 12:00	% Moisture:	
Seq Number:	3149584			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.29.2021 15:27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.29.2021 15:27	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.29.2021 15:27	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.29.2021 15:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-130	01.29.2021 15:27	
o-Terphenyl	84-15-1	118	%	70-130	01.29.2021 15:27	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 89 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-004	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 15:00	% Moisture:	
Seq Number:	3149158			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.28.2021 00:07	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.28.2021 00:07	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.28.2021 00:07	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.28.2021 00:07	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.28.2021 00:07	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.28.2021 00:07	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.28.2021 00:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	01.28.2021 00:07	
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.28.2021 00:07	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 90 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-005	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 01.27.2021 14:15 % Moisture:

Seq Number: 3149194 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**80.2**	4.98	mg/kg	01.27.2021 16:41		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 01.28.2021 12:00 % Moisture:

Seq Number: 3149584 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.29.2021 15:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.29.2021 15:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.29.2021 15:49	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.29.2021 15:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-130	01.29.2021 15:49	
o-Terphenyl	84-15-1	116	%	70-130	01.29.2021 15:49	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 90 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-005	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 15:00	% Moisture:	
Seq Number:	3149158			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.28.2021 00:27	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.28.2021 00:27	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.28.2021 00:27	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.28.2021 00:27	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.28.2021 00:27	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.28.2021 00:27	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.28.2021 00:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	122	%	70-130	01.28.2021 00:27	
1,4-Difluorobenzene	540-36-3	111	%	70-130	01.28.2021 00:27	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 91 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-006	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 14:15	% Moisture:	
Seq Number:	3149194			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**84.8**	4.99	mg/kg	01.27.2021 16:46		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.28.2021 12:00	% Moisture:	
Seq Number:	3149584			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.29.2021 16:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.29.2021 16:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.29.2021 16:10	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.29.2021 16:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	81	%	70-130	01.29.2021 16:10	
o-Terphenyl	84-15-1	112	%	70-130	01.29.2021 16:10	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 91 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-006	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 15:00	% Moisture:	
Seq Number:	3149158			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.28.2021 00:48	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.28.2021 00:48	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.28.2021 00:48	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.28.2021 00:48	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.28.2021 00:48	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.28.2021 00:48	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.28.2021 00:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	108	%	70-130	01.28.2021 00:48	
4-Bromofluorobenzene	460-00-4	117	%	70-130	01.28.2021 00:48	

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Landes Pond Release

Sample Id:	**FL 92 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-007	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: CHE
Analyst: CHE
Seq Number: 3149194

Date Prep: 01.27.2021 14:15

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**90.5**	5.03	mg/kg	01.27.2021 16:52		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3149584

Date Prep: 01.28.2021 12:00

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.29.2021 16:32	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.29.2021 16:32	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.29.2021 16:32	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.29.2021 16:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-130	01.29.2021 16:32	
o-Terphenyl	84-15-1	115	%	70-130	01.29.2021 16:32	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 92 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-007	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 15:00	% Moisture:	
Seq Number:	3149158			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.28.2021 01:09	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.28.2021 01:09	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.28.2021 01:09	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.28.2021 01:09	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.28.2021 01:09	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.28.2021 01:09	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.28.2021 01:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.28.2021 01:09	
4-Bromofluorobenzene	460-00-4	114	%	70-130	01.28.2021 01:09	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 93 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-008	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 14:15	% Moisture:	
Seq Number:	3149194			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**76.0**	4.96	mg/kg	01.27.2021 16:57		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.28.2021 12:00	% Moisture:	
Seq Number:	3149584			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.29.2021 18:20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.29.2021 18:20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.29.2021 18:20	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.29.2021 18:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-130	01.29.2021 18:20	
o-Terphenyl	84-15-1	122	%	70-130	01.29.2021 18:20	

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Landes Pond Release

Sample Id:	**FL 93 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-008	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 15:00	% Moisture:	
Seq Number:	3149158			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.28.2021 01:29	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.28.2021 01:29	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.28.2021 01:29	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.28.2021 01:29	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.28.2021 01:29	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.28.2021 01:29	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.28.2021 01:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	120	%	70-130	01.28.2021 01:29	
1,4-Difluorobenzene	540-36-3	109	%	70-130	01.28.2021 01:29	

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Landes Pond Release

Sample Id:	**FL 94 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-009	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: CHE
Analyst: CHE
Seq Number: 3149194

Date Prep: 01.27.2021 14:15

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**97.5**	5.00	mg/kg	01.27.2021 17:13		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3149584

Date Prep: 01.28.2021 12:00

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.29.2021 18:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.29.2021 18:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.29.2021 18:41	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.29.2021 18:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-130	01.29.2021 18:41	
o-Terphenyl	84-15-1	112	%	70-130	01.29.2021 18:41	

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Landes Pond Release

Sample Id:	**FL 94 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-009	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 15:00	% Moisture:	
Seq Number:	3149158			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.28.2021 01:50	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.28.2021 01:50	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.28.2021 01:50	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	01.28.2021 01:50	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.28.2021 01:50	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.28.2021 01:50	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.28.2021 01:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	01.28.2021 01:50	
4-Bromofluorobenzene	460-00-4	110	%	70-130	01.28.2021 01:50	

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Landes Pond Release

Sample Id:	**FL 95 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-010	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: CHE
Analyst: CHE
Seq Number: 3149194

Date Prep: 01.27.2021 14:15

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**26.8**	5.00	mg/kg	01.27.2021 17:18		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3149584

Date Prep: 01.28.2021 12:00

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.29.2021 19:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.29.2021 19:03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.29.2021 19:03	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.29.2021 19:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-130	01.29.2021 19:03	
o-Terphenyl	84-15-1	125	%	70-130	01.29.2021 19:03	

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Landes Pond Release

Sample Id:	**FL 95 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-010	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 15:00	% Moisture:	
Seq Number:	3149158			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.28.2021 02:11	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.28.2021 02:11	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.28.2021 02:11	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.28.2021 02:11	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.28.2021 02:11	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.28.2021 02:11	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.28.2021 02:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	119	%	70-130	01.28.2021 02:11	
1,4-Difluorobenzene	540-36-3	110	%	70-130	01.28.2021 02:11	

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Landes Pond Release

Sample Id:	**FL 96 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-011	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 14:15	% Moisture:	
Seq Number:	3149194			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**168**	5.00	mg/kg	01.27.2021 17:24		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.28.2021 12:00	% Moisture:	
Seq Number:	3149584			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.29.2021 19:46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.29.2021 19:46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.29.2021 19:46	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.29.2021 19:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-130	01.29.2021 19:46	
o-Terphenyl	84-15-1	123	%	70-130	01.29.2021 19:46	

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Landes Pond Release

Sample Id:	**FL 96 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-011	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149159			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.28.2021 05:35	UXF	1
Toluene	108-88-3	**0.0408**	0.00198	mg/kg	01.28.2021 05:35	XF	1
Ethylbenzene	100-41-4	**0.0170**	0.00198	mg/kg	01.28.2021 05:35	XF	1
m,p-Xylenes	179601-23-1	**0.0523**	0.00396	mg/kg	01.28.2021 05:35	XF	1
o-Xylene	95-47-6	**0.0229**	0.00198	mg/kg	01.28.2021 05:35	XF	1
Total Xylenes	1330-20-7	**0.0752**	0.00198	mg/kg	01.28.2021 05:35		1
Total BTEX		**0.133**	0.00198	mg/kg	01.28.2021 05:35		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.28.2021 05:35	
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.28.2021 05:35	

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Landes Pond Release

Sample Id:	**FL 97 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-012	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 14:15	% Moisture:	
Seq Number:	3149194			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**33.8**	4.95	mg/kg	01.27.2021 17:29		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.28.2021 12:00	% Moisture:	
Seq Number:	3149584			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.29.2021 20:07	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.29.2021 20:07	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.29.2021 20:07	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.29.2021 20:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-130	01.29.2021 20:07	
o-Terphenyl	84-15-1	132	%	70-130	01.29.2021 20:07	**

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Landes Pond Release

Sample Id:	**FL 97 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-012	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149159			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.28.2021 05:56	U	1
Toluene	108-88-3	**0.0211**	0.00202	mg/kg	01.28.2021 05:56		1
Ethylbenzene	100-41-4	**0.00956**	0.00202	mg/kg	01.28.2021 05:56		1
m,p-Xylenes	179601-23-1	**0.0274**	0.00403	mg/kg	01.28.2021 05:56		1
o-Xylene	95-47-6	**0.0127**	0.00202	mg/kg	01.28.2021 05:56		1
Total Xylenes	1330-20-7	**0.0401**	0.00202	mg/kg	01.28.2021 05:56		1
Total BTEX		**0.0708**	0.00202	mg/kg	01.28.2021 05:56		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	106	%	70-130	01.28.2021 05:56	
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.28.2021 05:56	

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Certificate of Analytical Results 685949

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Landes Pond Release

Sample Id:	**FL 98 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-013	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: CHE
Analyst: CHE
Seq Number: 3149194

Date Prep: 01.27.2021 14:15

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**14.5**	5.05	mg/kg	01.27.2021 17:34		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3149584

Date Prep: 01.28.2021 12:00

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.29.2021 20:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.29.2021 20:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.29.2021 20:29	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.29.2021 20:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-130	01.29.2021 20:29	
o-Terphenyl	84-15-1	111	%	70-130	01.29.2021 20:29	

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Landes Pond Release

Sample Id:	**FL 98 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-013	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149159			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.28.2021 06:16	U	1
Toluene	108-88-3	**0.0129**	0.00199	mg/kg	01.28.2021 06:16		1
Ethylbenzene	100-41-4	**0.00485**	0.00199	mg/kg	01.28.2021 06:16		1
m,p-Xylenes	179601-23-1	**0.0167**	0.00398	mg/kg	01.28.2021 06:16		1
o-Xylene	95-47-6	**0.00730**	0.00199	mg/kg	01.28.2021 06:16		1
Total Xylenes	1330-20-7	**0.0240**	0.00199	mg/kg	01.28.2021 06:16		1
Total BTEX		**0.0418**	0.00199	mg/kg	01.28.2021 06:16		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	104	%	70-130	01.28.2021 06:16	
1,4-Difluorobenzene	540-36-3	106	%	70-130	01.28.2021 06:16	

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Landes Pond Release

Sample Id:	**FL 99 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-014	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 14:15	% Moisture:	
Seq Number:	3149194			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**29.4**	4.99	mg/kg	01.27.2021 17:40		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.28.2021 12:00	% Moisture:	
Seq Number:	3149584			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.29.2021 20:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.29.2021 20:51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.29.2021 20:51	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.29.2021 20:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-130	01.29.2021 20:51	
o-Terphenyl	84-15-1	115	%	70-130	01.29.2021 20:51	

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Landes Pond Release

Sample Id:	**FL 99 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-014	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149159			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.28.2021 06:37	U	1
Toluene	108-88-3	**0.0115**	0.00200	mg/kg	01.28.2021 06:37		1
Ethylbenzene	100-41-4	**0.00516**	0.00200	mg/kg	01.28.2021 06:37		1
m,p-Xylenes	179601-23-1	**0.0158**	0.00399	mg/kg	01.28.2021 06:37		1
o-Xylene	95-47-6	**0.00743**	0.00200	mg/kg	01.28.2021 06:37		1
Total Xylenes	1330-20-7	**0.0232**	0.00200	mg/kg	01.28.2021 06:37		1
Total BTEX		**0.0399**	0.00200	mg/kg	01.28.2021 06:37		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	108	%	70-130	01.28.2021 06:37	
4-Bromofluorobenzene	460-00-4	125	%	70-130	01.28.2021 06:37	

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Landes Pond Release

Sample Id:	**FL 104 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-015	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 14:15	% Moisture:	
Seq Number:	3149194			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**94.2**	5.02	mg/kg	01.27.2021 17:56		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.28.2021 12:00	% Moisture:	
Seq Number:	3149584			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.29.2021 21:12	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.29.2021 21:12	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.29.2021 21:12	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.29.2021 21:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-130	01.29.2021 21:12	
o-Terphenyl	84-15-1	115	%	70-130	01.29.2021 21:12	

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Landes Pond Release

Sample Id:	**FL 104 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-015	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149159			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.28.2021 06:58	U	1
Toluene	108-88-3	**0.00750**	0.00200	mg/kg	01.28.2021 06:58		1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.28.2021 06:58	U	1
m,p-Xylenes	179601-23-1	**0.00682**	0.00400	mg/kg	01.28.2021 06:58		1
o-Xylene	95-47-6	**0.00370**	0.00200	mg/kg	01.28.2021 06:58		1
Total Xylenes	1330-20-7	**0.0105**	0.00200	mg/kg	01.28.2021 06:58		1
Total BTEX		**0.0180**	0.00200	mg/kg	01.28.2021 06:58		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	120	%	70-130	01.28.2021 06:58	
1,4-Difluorobenzene	540-36-3	111	%	70-130	01.28.2021 06:58	

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Landes Pond Release

Sample Id:	**FL 105 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-016	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 01.27.2021 14:15 % Moisture:

Seq Number: 3149194 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**56.3**	5.05	mg/kg	01.27.2021 18:01		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 01.28.2021 12:00 % Moisture:

Seq Number: 3149584 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.29.2021 21:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.29.2021 21:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.29.2021 21:34	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.29.2021 21:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-130	01.29.2021 21:34	
o-Terphenyl	84-15-1	123	%	70-130	01.29.2021 21:34	

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Landes Pond Release

Sample Id:	**FL 105 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-016	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149159			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.28.2021 07:18	U	1
Toluene	108-88-3	**0.00460**	0.00201	mg/kg	01.28.2021 07:18		1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.28.2021 07:18	U	1
m,p-Xylenes	179601-23-1	**0.00487**	0.00402	mg/kg	01.28.2021 07:18		1
o-Xylene	95-47-6	**0.00248**	0.00201	mg/kg	01.28.2021 07:18		1
Total Xylenes	1330-20-7	**0.00735**	0.00201	mg/kg	01.28.2021 07:18		1
Total BTEX		**0.0120**	0.00201	mg/kg	01.28.2021 07:18		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	110	%	70-130	01.28.2021 07:18	
1,4-Difluorobenzene	540-36-3	107	%	70-130	01.28.2021 07:18	

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Landes Pond Release

Sample Id:	**FL 106 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-017	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: CHE

Analyst: CHE — Date Prep: 01.27.2021 14:15 — % Moisture: Basis: Wet Weight

Seq Number: 3149194

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**246**	4.98	mg/kg	01.27.2021 18:17		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM

Analyst: ARM — Date Prep: 01.28.2021 12:00 — % Moisture: Basis: Wet Weight

Seq Number: 3149584

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.29.2021 21:55	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.29.2021 21:55	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.29.2021 21:55	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.29.2021 21:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-130	01.29.2021 21:55	
o-Terphenyl	84-15-1	114	%	70-130	01.29.2021 21:55	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 106 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-017	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149159			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.28.2021 07:39	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.28.2021 07:39	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.28.2021 07:39	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.28.2021 07:39	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.28.2021 07:39	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.28.2021 07:39	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.28.2021 07:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	106	%	70-130	01.28.2021 07:39	
4-Bromofluorobenzene	460-00-4	106	%	70-130	01.28.2021 07:39	

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Landes Pond Release

Sample Id:	**FL 107 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-018	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: CHE
Analyst: CHE
Seq Number: 3149194

Date Prep: 01.27.2021 14:15

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**343**	4.95	mg/kg	01.27.2021 18:22		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3149584

Date Prep: 01.28.2021 12:00

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.29.2021 22:17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.29.2021 22:17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.29.2021 22:17	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.29.2021 22:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	84	%	70-130	01.29.2021 22:17	
o-Terphenyl	84-15-1	117	%	70-130	01.29.2021 22:17	

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Landes Pond Release

Sample Id:	**FL 107 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-018	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149159			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.28.2021 08:00	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.28.2021 08:00	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.28.2021 08:00	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.28.2021 08:00	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.28.2021 08:00	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.28.2021 08:00	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.28.2021 08:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	70-130	01.28.2021 08:00	
1,4-Difluorobenzene	540-36-3	110	%	70-130	01.28.2021 08:00	

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Landes Pond Release

Sample Id:	**FL 110 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-019	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: CHE

Analyst: CHE — Date Prep: 01.27.2021 14:15 — % Moisture: Basis: Wet Weight

Seq Number: 3149194

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**708**	5.03	mg/kg	01.27.2021 18:28		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM

Analyst: ARM — Date Prep: 01.28.2021 12:00 — % Moisture: Basis: Wet Weight

Seq Number: 3149584

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.29.2021 22:39	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.29.2021 22:39	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.29.2021 22:39	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.29.2021 22:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-130	01.29.2021 22:39	
o-Terphenyl	84-15-1	115	%	70-130	01.29.2021 22:39	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 110 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-019	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149159			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.28.2021 08:20	U	1
Toluene	108-88-3	**0.00432**	0.00200	mg/kg	01.28.2021 08:20		1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.28.2021 08:20	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	01.28.2021 08:20	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.28.2021 08:20	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.28.2021 08:20	U	1
Total BTEX		**0.00432**	0.00200	mg/kg	01.28.2021 08:20		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	106	%	70-130	01.28.2021 08:20	
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.28.2021 08:20	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 111 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-020	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: CHE
Analyst: CHE
Seq Number: 3149194

Date Prep: 01.27.2021 14:15

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**488**	5.00	mg/kg	01.27.2021 18:33		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3149584

Date Prep: 01.28.2021 12:00

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.29.2021 23:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.29.2021 23:01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.29.2021 23:01	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.29.2021 23:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-130	01.29.2021 23:01	
o-Terphenyl	84-15-1	128	%	70-130	01.29.2021 23:01	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 111 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-020	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149159			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.28.2021 08:41	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.28.2021 08:41	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.28.2021 08:41	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.28.2021 08:41	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.28.2021 08:41	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.28.2021 08:41	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.28.2021 08:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.28.2021 08:41	
4-Bromofluorobenzene	460-00-4	112	%	70-130	01.28.2021 08:41	

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 112 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-021	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 14:15	% Moisture:	
Seq Number:	3149194			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**30.0**	5.00	mg/kg	01.27.2021 18:38		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.30.2021 11:00	% Moisture:	
Seq Number:	3149652			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.31.2021 03:54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.31.2021 03:54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.31.2021 03:54	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.31.2021 03:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-130	01.31.2021 03:54	
o-Terphenyl	84-15-1	137	%	70-130	01.31.2021 03:54	**

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Certificate of Analytical Results 685949

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 112 @ 1'**	Matrix:	Soil	Date Received:	01.26.2021 13:44
Lab Sample Id:	685949-021	Date Collected:	01.22.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149159			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.28.2021 10:23	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.28.2021 10:23	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.28.2021 10:23	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.28.2021 10:23	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.28.2021 10:23	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.28.2021 10:23	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.28.2021 10:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	105	%	70-130	01.28.2021 10:23	
1,4-Difluorobenzene	540-36-3	106	%	70-130	01.28.2021 10:23	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 685949

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149192 — Matrix: Solid — Date Prep: 01.27.2021
MB Sample Id: 7720122-1-BLK — LCS Sample Id: 7720122-1-BKS — LCSD Sample Id: 7720122-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	263	105	263	105	90-110	0	20	mg/kg	01.27.2021 15:07	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149194 — Matrix: Solid — Date Prep: 01.27.2021
MB Sample Id: 7720145-1-BLK — LCS Sample Id: 7720145-1-BKS — LCSD Sample Id: 7720145-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	254	102	250	100	90-110	2	20	mg/kg	01.27.2021 16:14	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149192 — Matrix: Soil — Date Prep: 01.27.2021
Parent Sample Id: 685964-006 — MS Sample Id: 685964-006 S — MSD Sample Id: 685964-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	72.6	249	357	114	342	108	90-110	4	20	mg/kg	01.27.2021 15:22	X

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149192 — Matrix: Soil — Date Prep: 01.27.2021
Parent Sample Id: 686053-005 — MS Sample Id: 686053-005 S — MSD Sample Id: 686053-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	26.5	250	311	114	305	111	90-110	2	20	mg/kg	01.27.2021 16:35	X

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149194 — Matrix: Soil — Date Prep: 01.27.2021
Parent Sample Id: 685949-004 — MS Sample Id: 685949-004 S — MSD Sample Id: 685949-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	18.8	253	228	83	230	83	90-110	1	20	mg/kg	01.27.2021 16:30	X

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149194 — Matrix: Soil — Date Prep: 01.27.2021
Parent Sample Id: 685949-014 — MS Sample Id: 685949-014 S — MSD Sample Id: 685949-014 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	29.4	250	270	96	271	97	90-110	0	20	mg/kg	01.27.2021 17:45	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 685949

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Landes Pond Release

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149584 — Matrix: Solid — Date Prep: 01.28.2021
MB Sample Id: 7720476-1-BLK — LCS Sample Id: 7720476-1-BKS — LCSD Sample Id: 7720476-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	899	90	916	92	70-130	2	20	mg/kg	01.29.2021 12:51	
Diesel Range Organics (DRO)	<50.0	1000	851	85	904	90	70-130	6	20	mg/kg	01.29.2021 12:51	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	78		93		97		70-130	%	01.29.2021 12:51
o-Terphenyl	115		115		124		70-130	%	01.29.2021 12:51

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149652 — Matrix: Solid — Date Prep: 01.30.2021
MB Sample Id: 7720483-1-BLK — LCS Sample Id: 7720483-1-BKS — LCSD Sample Id: 7720483-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	834	83	862	86	70-130	3	20	mg/kg	01.30.2021 23:24	
Diesel Range Organics (DRO)	<50.0	1000	857	86	890	89	70-130	4	20	mg/kg	01.30.2021 23:24	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	85		77		82		70-130	%	01.30.2021 23:24
o-Terphenyl	131	**	94		116		70-130	%	01.30.2021 23:24

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149584 — Matrix: Solid — Date Prep: 01.28.2021
MB Sample Id: 7720476-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.29.2021 12:30	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149652 — Matrix: Solid — Date Prep: 01.30.2021
MB Sample Id: 7720483-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.30.2021 23:03	

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Final 1.000

QC Summary 685949

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149584 — Matrix: Soil — Date Prep: 01.28.2021
Parent Sample Id: 685949-001 — MS Sample Id: 685949-001 S — MSD Sample Id: 685949-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	847	85	861	86	70-130	2	20	mg/kg	01.29.2021 13:54	
Diesel Range Organics (DRO)	<49.9	997	790	79	805	81	70-130	2	20	mg/kg	01.29.2021 13:54	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	80		82		70-130	%	01.29.2021 13:54
o-Terphenyl	99		100		70-130	%	01.29.2021 13:54

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149652 — Matrix: Soil — Date Prep: 01.30.2021
Parent Sample Id: 685950-021 — MS Sample Id: 685950-021 S — MSD Sample Id: 685950-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	999	939	94	910	91	70-130	3	20	mg/kg	01.31.2021 00:26	
Diesel Range Organics (DRO)	<50.0	999	990	99	955	96	70-130	4	20	mg/kg	01.31.2021 00:26	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	89		84		70-130	%	01.31.2021 00:26
o-Terphenyl	112		108		70-130	%	01.31.2021 00:26

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149158 — Matrix: Solid — Date Prep: 01.27.2021
MB Sample Id: 7720185-1-BLK — LCS Sample Id: 7720185-1-BKS — LCSD Sample Id: 7720185-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0804	80	0.0787	79	70-130	2	35	mg/kg	01.27.2021 16:14	
Toluene	<0.00200	0.100	0.0868	87	0.0794	79	70-130	9	35	mg/kg	01.27.2021 16:14	
Ethylbenzene	<0.00200	0.100	0.0863	86	0.0833	83	70-130	4	35	mg/kg	01.27.2021 16:14	
m,p-Xylenes	<0.00400	0.200	0.160	80	0.154	77	70-130	4	35	mg/kg	01.27.2021 16:14	
o-Xylene	<0.00200	0.100	0.0904	90	0.0836	84	70-130	8	35	mg/kg	01.27.2021 16:14	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		107		107		70-130	%	01.27.2021 16:14
4-Bromofluorobenzene	119		103		104		70-130	%	01.27.2021 16:14

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 685949

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149159 — Matrix: Solid — Date Prep: 01.27.2021
MB Sample Id: 7720186-1-BLK — LCS Sample Id: 7720186-1-BKS — LCSD Sample Id: 7720186-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0881	88	0.0800	80	70-130	10	35	mg/kg	01.28.2021 03:13	
Toluene	<0.00200	0.100	0.0906	91	0.0846	85	70-130	7	35	mg/kg	01.28.2021 03:13	
Ethylbenzene	<0.00200	0.100	0.0915	92	0.0880	88	70-130	4	35	mg/kg	01.28.2021 03:13	
m,p-Xylenes	<0.00400	0.200	0.173	87	0.164	82	70-130	5	35	mg/kg	01.28.2021 03:13	
o-Xylene	<0.00200	0.100	0.0970	97	0.0875	88	70-130	10	35	mg/kg	01.28.2021 03:13	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		105		101		70-130	%	01.28.2021 03:13
4-Bromofluorobenzene	129		104		103		70-130	%	01.28.2021 03:13

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149295 — Matrix: Solid — Date Prep: 01.28.2021
MB Sample Id: 7720281-1-BLK — LCS Sample Id: 7720281-1-BKS — LCSD Sample Id: 7720281-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0789	79	0.0816	82	70-130	3	35	mg/kg	01.28.2021 23:33	
Toluene	<0.00200	0.100	0.0764	76	0.0788	79	70-130	3	35	mg/kg	01.28.2021 23:33	
Ethylbenzene	<0.00200	0.100	0.0822	82	0.0849	85	70-130	3	35	mg/kg	01.28.2021 23:33	
m,p-Xylenes	<0.00400	0.200	0.159	80	0.166	83	70-130	4	35	mg/kg	01.28.2021 23:33	
o-Xylene	<0.00200	0.100	0.0818	82	0.0825	83	70-130	1	35	mg/kg	01.28.2021 23:33	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	91		100		100		70-130	%	01.28.2021 23:33
4-Bromofluorobenzene	113		92		96		70-130	%	01.28.2021 23:33

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149158 — Matrix: Soil — Date Prep: 01.27.2021
Parent Sample Id: 685949-002 — MS Sample Id: 685949-002 S — MSD Sample Id: 685949-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.0839	84	0.105	106	70-130	22	35	mg/kg	01.27.2021 16:55	
Toluene	<0.00199	0.0996	0.0930	93	0.0991	100	70-130	6	35	mg/kg	01.27.2021 16:55	
Ethylbenzene	<0.00199	0.0996	0.0876	88	0.0928	94	70-130	6	35	mg/kg	01.27.2021 16:55	
m,p-Xylenes	<0.00398	0.199	0.178	89	0.178	90	70-130	0	35	mg/kg	01.27.2021 16:55	
o-Xylene	<0.00199	0.0996	0.0991	99	0.106	107	70-130	7	35	mg/kg	01.27.2021 16:55	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		108		70-130	%	01.27.2021 16:55
4-Bromofluorobenzene	118		119		70-130	%	01.27.2021 16:55

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Final 1.000

QC Summary 685949

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3149159 Matrix: Soil Date Prep: 01.27.2021
Parent Sample Id: 685949-011 MS Sample Id: 685949-011 S MSD Sample Id: 685949-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.821	823	0.438	438	70-130	61	35	mg/kg	01.28.2021 03:54	XF
Toluene	0.0408	0.0998	2.50	2464	1.31	1269	70-130	62	35	mg/kg	01.28.2021 03:54	XF
Ethylbenzene	0.0170	0.0998	0.163	146	0.297	280	70-130	58	35	mg/kg	01.28.2021 03:54	XF
m,p-Xylenes	0.0523	0.200	1.51	729	0.279	113	70-130	138	35	mg/kg	01.28.2021 03:54	XF
o-Xylene	0.0229	0.0998	0.652	630	0.0608	38	70-130	166	35	mg/kg	01.28.2021 03:54	XF

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		60	**	70-130	%	01.28.2021 03:54
4-Bromofluorobenzene	136	**	9	**	70-130	%	01.28.2021 03:54

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3149295 Matrix: Soil Date Prep: 01.28.2021
Parent Sample Id: 686301-006 MS Sample Id: 686301-006 S MSD Sample Id: 686301-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.0818	82	0.0800	80	70-130	2	35	mg/kg	01.29.2021 00:13	
Toluene	<0.00199	0.0996	0.0855	86	0.0752	76	70-130	13	35	mg/kg	01.29.2021 00:13	
Ethylbenzene	<0.00199	0.0996	0.0646	65	0.0750	75	70-130	15	35	mg/kg	01.29.2021 00:13	X
m,p-Xylenes	<0.00398	0.199	0.137	69	0.154	77	70-130	12	35	mg/kg	01.29.2021 00:13	X
o-Xylene	<0.00199	0.0996	0.0652	65	0.0769	77	70-130	16	35	mg/kg	01.29.2021 00:13	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	106		105		70-130	%	01.29.2021 00:13
4-Bromofluorobenzene	97		97		70-130	%	01.29.2021 00:13

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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Chain of Custody

Work Order No: 605949

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Project Manager:	Joel Lowry	Bill to: (if different)	Solaris Water Midstream C/O Rob Kirk
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to: PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level ☐ Level ☐ PST/US ☐ TRP ☐ Level ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☒
Project Location	Rural Eddy Co., NM	Rush:	☐
Sampler's Name:	Tyler Griffin	Due Date:	
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):	5.0	Thermometer ID		
Received Intact:	Yes No	128		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	.5	
Sample Custody Seals:	Yes No N/A	Total Containers:		

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)	Sample Comments
FL86 @ 1'	Soil	1/22/2021		1'	1/NO	X	X	X	
FL87 @ 1'	Soil	1/22/2021		1'	1/NO	X	X	X	
FL88 @ 1'	Soil	1/22/2021		1'	1/NO	X	X	X	
FL89 @ 1'	Soil	1/22/2021		1'	1/NO	X	X	X	
FL90 @ 1'	Soil	1/22/2021		1'	1/NO	X	X	X	
FL91 @ 1'	Soil	1/22/2021		1'	1/NO	X	X	X	
FL92 @ 1'	Soil	1/22/2021		1'	1/NO	X	X	X	
FL93 @ 1'	Soil	1/22/2021		1'	1/NO	X	X	X	
FL94 @ 1'	Soil	1/22/2021		1'	1/NO	X	X	X	
FL95 @ 1'	Soil	1/22/2021		1'	1/NO	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	NR	2:27 1/25	2 NR		1/26/21 1344
3			4		
5			6		

Revised Date101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
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Chain of Custody

Work Order No: 485949

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Project Manager:	Joel Lowry	Bill to: (if different)	Solaris Water Midstream C/O Rob Kirk
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378 Email:	Email Results to: PM@etechenv.com + Client	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/US ☐ TRR ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☒
Project Location	Rural Eddy Co., NM	Rush:	☐
Sampler's Name:	Tyler Griffin	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	6	Thermometer ID		
Received Intact:	Yes No	IR8		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	.5	
Sample Custody Seals:	Yes No N/A	Total Containers:		

ANALYSIS REQUEST

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)	Sample Comments
FL96 @ 3'	Soil	1/22/2021		3'	1/NO	X	X	X	
FL97 @ 3'	Soil	1/22/2021		3'	1/NO	X	X	X	
FL98 @ 3'	Soil	1/22/2021		3'	1/NO	X	X	X	
FL99 @ 3'	Soil	1/22/2021		3'	1/NO	X	X	X	
FL104 @ 1'	Soil	1/22/2021		1'	1/NO	X	X	X	
FL105 @ 1'	Soil	1/22/2021		1'	1/NO	X	X	X	
FL106 @ 1'	Soil	1/22/2021		1'	1/NO	X	X	X	
FL107 @ 1'	Soil	1/22/2021		1'	1/NO	X	X	X	
FL110 @ 1'	Soil	1/22/2021		1'	1/NO	X	X	X	
FL111 @ 1'	Soil	1/22/2021		1'	1/NO	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		2:27:25	2		1/24/21 1344
3			4		
5			6		

Revised Date101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
Page 59 of 61

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Work Order No: 485949

Project Manager:	Joel Lowry	Bill to: (if different)	Solaris Water Midstream C/O Rob Kirk
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to: PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/US ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☒
Project Location	Rural Eddy Co., NM	Rush:	☐
Sampler's Name:	Tyler Griffin	Due Date:	
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	(Yes) No
Temperature (°C):	6.0	Thermometer ID		
Received Intact:	(Yes) No	IR8		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	.5	
Sample Custody Seals:	Yes No (N/A)	Total Containers:		

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)	Sample Comments
FL112 @ 1'	Soil	1/22/2021		1'	1/NO	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			2:27 1-25	2		1/24/21 1344
3				4		
5				6		

Revised Date101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
Page 60 of 61

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 01.26.2021 01.44.00 PM

Work Order #: 685949

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	.6
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6*Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**No**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#13 Samples properly preserved?	**Yes**
#14 Sample container(s) intact?	**Yes**
#15 Sufficient sample amount for indicated test(s)?	**Yes**
#16 All samples received within hold time?	**Yes**
#17 Subcontract of sample(s)?	**N/A**
#18 Water VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 01.26.2021

Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 01.27.2021

Jessica Kramer

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Certificate of Analysis Summary 686162

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co, NM

Date Received in Lab: Wed 01.27.2021 11:50
Report Date: 02.03.2021 16:12
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	686162-001		686162-002		686162-003		686162-004		686162-005		686162-006	
	Field Id:	FL 100 @ 3'		FL 101 @ 3'		FL 102 @ 3'		FL 103 @ 3'		FL 108 @ 1'		FL 109 @ 1'	
	Depth:	3- ft		3- ft		3- ft		3- ft		1- ft		1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.25.2021 00:00		01.25.2021 00:00		01.25.2021 00:00		01.25.2021 00:00		01.25.2021 00:00		01.25.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.29.2021 18:00		01.29.2021 18:00		01.29.2021 18:00		01.29.2021 18:00		01.29.2021 18:00		01.29.2021 18:00	
	Analyzed:	01.31.2021 06:10		01.31.2021 06:31		01.31.2021 07:53		01.31.2021 08:14		01.31.2021 08:34		01.31.2021 08:55	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
Toluene		<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
Ethylbenzene		<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
m,p-Xylenes		<0.00397	0.00397	<0.00399	0.00399	<0.00402	0.00402	<0.00396	0.00396	<0.00404	0.00404	<0.00400	0.00400
o-Xylene		<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
Total Xylenes		<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
Total BTEX		<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
Chloride by EPA 300	***Extracted:***	01.29.2021 09:00		01.29.2021 09:00		01.29.2021 09:00		01.29.2021 09:00		01.29.2021 09:00		01.29.2021 09:00	
	Analyzed:	01.29.2021 09:53		01.29.2021 10:09		01.29.2021 10:14		01.29.2021 10:20		01.29.2021 10:25		01.29.2021 10:41	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		23.7	5.02	106	4.99	22.3	5.04	19.8	4.96	123	5.02	470	4.98
TPH By SW8015 Mod	***Extracted:***	01.30.2021 10:00		01.30.2021 10:00		01.30.2021 10:00		01.30.2021 10:00		01.30.2021 10:00		01.30.2021 10:00	
	Analyzed:	01.30.2021 14:31		01.30.2021 15:34		01.30.2021 15:55		01.30.2021 16:17		01.30.2021 16:38		01.30.2021 16:59	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0
Diesel Range Organics (DRO)		<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0
Total TPH		<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 686162

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co, NM

Date Received in Lab: Wed 01.27.2021 11:50
Report Date: 02.03.2021 16:12
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	686162-007		686162-008		686162-009		686162-010		686162-011		686162-012	
	Field Id:	FL 113 @ 3'		FL 114 @ 3'		FL 115 @ 1'		FL 116 @ 1'		FL 117 @ 1'		FL 118 @ 2'	
	Depth:	3- ft		3- ft		1- ft		1- ft		1- ft		2- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.25.2021 00:00		01.25.2021 00:00		01.25.2021 00:00		01.25.2021 00:00		01.25.2021 00:00		01.25.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.29.2021 18:00		01.29.2021 18:00		01.29.2021 17:30		01.29.2021 17:30		01.29.2021 17:30		01.29.2021 17:30	
	Analyzed:	01.31.2021 09:15		01.31.2021 09:35		01.31.2021 05:01		01.31.2021 05:22		01.31.2021 05:42		01.31.2021 06:02	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Toluene		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Ethylbenzene		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
m,p-Xylenes		<0.00402	0.00402	<0.00401	0.00401	<0.00402	0.00402	<0.00400	0.00400	<0.00399	0.00399	<0.00398	0.00398
o-Xylene		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Total Xylenes		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Total BTEX		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Chloride by EPA 300	***Extracted:***	01.29.2021 09:00		01.29.2021 09:00		01.29.2021 09:00		01.29.2021 09:00		01.29.2021 09:00		01.29.2021 09:00	
	Analyzed:	01.29.2021 10:47		01.29.2021 10:52		01.29.2021 10:57		01.29.2021 11:02		01.29.2021 11:08		01.29.2021 11:24	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		17.7	4.96	12.2	5.00	47.3	5.03	65.2	4.97	152	5.05	1440	25.0
TPH By SW8015 Mod	***Extracted:***	01.30.2021 10:00		01.30.2021 10:00		01.30.2021 10:00		01.30.2021 10:00		01.30.2021 10:00		01.30.2021 10:00	
	Analyzed:	01.30.2021 17:20		01.30.2021 17:41		01.30.2021 18:02		01.30.2021 18:23		01.30.2021 19:05		01.30.2021 19:27	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9
Diesel Range Organics (DRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9
Total TPH		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 686162

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co, NM

Date Received in Lab: Wed 01.27.2021 11:50
Report Date: 02.03.2021 16:12
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	686162-013		686162-014		686162-015		686162-016		686162-017		686162-018	
	Field Id:	FL 119 @ 2'		FL 120 @ 1'		FL 121 @ 0-6"		FL 122 @ 1'		FL 123 @ 1'		FL 124 @ 1'	
	Depth:	2- ft		1- ft		0-6 In		1- ft		1- ft		1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.25.2021 00:00		01.25.2021 00:00		01.25.2021 00:00		01.25.2021 00:00		01.25.2021 00:00		01.25.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.29.2021 17:30		01.29.2021 17:30		01.29.2021 17:30		01.29.2021 17:30		01.29.2021 17:30		01.29.2021 17:30	
	Analyzed:	01.31.2021 06:23		01.31.2021 06:43		01.31.2021 07:04		01.31.2021 07:24		01.31.2021 07:45		01.31.2021 08:06	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201
Toluene		<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201
Ethylbenzene		<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201
m,p-Xylenes		<0.00401	0.00401	<0.00398	0.00398	<0.00403	0.00403	<0.00403	0.00403	<0.00399	0.00399	<0.00402	0.00402
o-Xylene		<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201
Total Xylenes		<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201
Total BTEX		<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201
Chloride by EPA 300	***Extracted:***	01.29.2021 09:00		01.29.2021 09:00		01.29.2021 09:00		01.29.2021 09:00		01.29.2021 09:00		01.29.2021 09:00	
	Analyzed:	01.29.2021 11:29		01.29.2021 11:45		01.29.2021 11:50		01.29.2021 11:56		01.29.2021 12:01		01.29.2021 12:06	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		197	4.98	32.8	4.96	35.1	5.03	80.6	5.05	121	4.99	50.6	5.00
TPH By SW8015 Mod	***Extracted:***	01.30.2021 10:00		01.30.2021 10:00		01.30.2021 10:00		01.30.2021 10:00		02.02.2021 12:00		02.02.2021 12:00	
	Analyzed:	01.30.2021 19:48		01.30.2021 20:10		01.30.2021 20:31		01.30.2021 20:53		02.02.2021 20:13		02.02.2021 20:34	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9
Diesel Range Organics (DRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9
Total TPH		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Analytical Report 686162

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

Landes Pond Release

13261

02.03.2021

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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02.03.2021

Project Manager: **PM**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **686162**
Landes Pond Release
Project Address: Rural Eddy Co, NM

PM :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 686162. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 686162 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 686162

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
FL 100 @ 3'	S	01.25.2021 00:00	3 ft	686162-001
FL 101 @ 3'	S	01.25.2021 00:00	3 ft	686162-002
FL 102 @ 3'	S	01.25.2021 00:00	3 ft	686162-003
FL 103 @ 3'	S	01.25.2021 00:00	3 ft	686162-004
FL 108 @ 1'	S	01.25.2021 00:00	1 ft	686162-005
FL 109 @ 1'	S	01.25.2021 00:00	1 ft	686162-006
FL 113 @ 3'	S	01.25.2021 00:00	3 ft	686162-007
FL 114 @ 3'	S	01.25.2021 00:00	3 ft	686162-008
FL 115 @ 1'	S	01.25.2021 00:00	1 ft	686162-009
FL 116 @ 1'	S	01.25.2021 00:00	1 ft	686162-010
FL 117 @ 1'	S	01.25.2021 00:00	1 ft	686162-011
FL 118 @ 2'	S	01.25.2021 00:00	2 ft	686162-012
FL 119 @ 2'	S	01.25.2021 00:00	2 ft	686162-013
FL 120 @ 1'	S	01.25.2021 00:00	1 ft	686162-014
FL 121 @ 0-6"	S	01.25.2021 00:00	0 - 6 In	686162-015
FL 122 @ 1'	S	01.25.2021 00:00	1 ft	686162-016
FL 123 @ 1'	S	01.25.2021 00:00	1 ft	686162-017
FL 124 @ 1'	S	01.25.2021 00:00	1 ft	686162-018

CASE NARRATIVE

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Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Landes Pond Release

Project ID: *13261*
Work Order Number(s): *686162*

Report Date: *02.03.2021*
Date Received: *01.27.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3149480 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected.
Samples affected are: 686162-018.

Benzene, Ethylbenzene, m,p-Xylenes Relative Percent Difference (RPD) between matrix spike and duplicate were above quality control limits.
Samples in the analytical batch are: 686162-009, -010, -011, -012, -013, -014, -015, -016, -017, -018

Lab Sample ID 686162-009 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 686162-009, -010, -011, -012, -013, -014, -015, -016, -017, -018.
The Laboratory Control Sample for Toluene, Benzene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.

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Certificate of Analytical Results 686162

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 100 @ 3'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-001	Date Collected:	01.25.2021 00:00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 09:00	% Moisture:	
Seq Number:	3149471			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**23.7**	5.02	mg/kg	01.29.2021 09:53		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.30.2021 10:00	% Moisture:	
Seq Number:	3149595			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.30.2021 14:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.30.2021 14:31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.30.2021 14:31	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.30.2021 14:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-130	01.30.2021 14:31	
o-Terphenyl	84-15-1	106	%	70-130	01.30.2021 14:31	

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Certificate of Analytical Results 686162

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 100 @ 3'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-001	Date Collected:	01.25.2021 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 18:00	% Moisture:	
Seq Number:	3149482			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.31.2021 06:10	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.31.2021 06:10	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.31.2021 06:10	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.31.2021 06:10	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.31.2021 06:10	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.31.2021 06:10	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.31.2021 06:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	97	%	70-130	01.31.2021 06:10	
4-Bromofluorobenzene	460-00-4	106	%	70-130	01.31.2021 06:10	

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Certificate of Analytical Results 686162

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 101 @ 3'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-002	Date Collected:	01.25.2021 00:00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 09:00	% Moisture:	
Seq Number:	3149471			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**106**	4.99	mg/kg	01.29.2021 10:09		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.30.2021 10:00	% Moisture:	
Seq Number:	3149595			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.30.2021 15:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.30.2021 15:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.30.2021 15:34	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.30.2021 15:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-130	01.30.2021 15:34	
o-Terphenyl	84-15-1	102	%	70-130	01.30.2021 15:34	

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Certificate of Analytical Results 686162

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 101 @ 3'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-002	Date Collected:	01.25.2021 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 18:00	% Moisture:	
Seq Number:	3149482			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.31.2021 06:31	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.31.2021 06:31	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.31.2021 06:31	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.31.2021 06:31	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.31.2021 06:31	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.31.2021 06:31	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.31.2021 06:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	109	%	70-130	01.31.2021 06:31	
1,4-Difluorobenzene	540-36-3	97	%	70-130	01.31.2021 06:31	

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Certificate of Analytical Results 686162

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 102 @ 3'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-003	Date Collected:	01.25.2021 00:00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 09:00	% Moisture:	
Seq Number:	3149471			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**22.3**	5.04	mg/kg	01.29.2021 10:14		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.30.2021 10:00	% Moisture:	
Seq Number:	3149595			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.30.2021 15:55	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.30.2021 15:55	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.30.2021 15:55	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.30.2021 15:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-130	01.30.2021 15:55	
o-Terphenyl	84-15-1	115	%	70-130	01.30.2021 15:55	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 102 @ 3'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-003	Date Collected:	01.25.2021 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 18:00	% Moisture:	
Seq Number:	3149482			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.31.2021 07:53	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.31.2021 07:53	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.31.2021 07:53	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.31.2021 07:53	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.31.2021 07:53	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.31.2021 07:53	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.31.2021 07:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	99	%	70-130	01.31.2021 07:53	
1,4-Difluorobenzene	540-36-3	98	%	70-130	01.31.2021 07:53	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 103 @ 3'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-004	Date Collected:	01.25.2021 00:00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 09:00	% Moisture:	
Seq Number:	3149471			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**19.8**	4.96	mg/kg	01.29.2021 10:20		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.30.2021 10:00	% Moisture:	
Seq Number:	3149595			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.30.2021 16:17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.30.2021 16:17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.30.2021 16:17	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.30.2021 16:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-130	01.30.2021 16:17	
o-Terphenyl	84-15-1	100	%	70-130	01.30.2021 16:17	

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Landes Pond Release

Sample Id:	**FL 103 @ 3'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-004	Date Collected:	01.25.2021 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 18:00	% Moisture:	
Seq Number:	3149482			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.31.2021 08:14	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.31.2021 08:14	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.31.2021 08:14	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	01.31.2021 08:14	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.31.2021 08:14	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.31.2021 08:14	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.31.2021 08:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	01.31.2021 08:14	
4-Bromofluorobenzene	460-00-4	104	%	70-130	01.31.2021 08:14	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 108 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-005	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 09:00	% Moisture:	
Seq Number:	3149471			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**123**	5.02	mg/kg	01.29.2021 10:25		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.30.2021 10:00	% Moisture:	
Seq Number:	3149595			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.30.2021 16:38	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.30.2021 16:38	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.30.2021 16:38	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.30.2021 16:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-130	01.30.2021 16:38	
o-Terphenyl	84-15-1	105	%	70-130	01.30.2021 16:38	

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Landes Pond Release

Sample Id:	**FL 108 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-005	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 18:00	% Moisture:	
Seq Number:	3149482			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.31.2021 08:34	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.31.2021 08:34	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.31.2021 08:34	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	01.31.2021 08:34	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.31.2021 08:34	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.31.2021 08:34	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.31.2021 08:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	01.31.2021 08:34	
4-Bromofluorobenzene	460-00-4	103	%	70-130	01.31.2021 08:34	

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Landes Pond Release

Sample Id:	**FL 109 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-006	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 09:00	% Moisture:	
Seq Number:	3149471			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**470**	4.98	mg/kg	01.29.2021 10:41		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.30.2021 10:00	% Moisture:	
Seq Number:	3149595			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.30.2021 16:59	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.30.2021 16:59	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.30.2021 16:59	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.30.2021 16:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-130	01.30.2021 16:59	
o-Terphenyl	84-15-1	106	%	70-130	01.30.2021 16:59	

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Landes Pond Release

Sample Id:	**FL 109 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-006	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 18:00	% Moisture:	
Seq Number:	3149482			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.31.2021 08:55	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.31.2021 08:55	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.31.2021 08:55	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	01.31.2021 08:55	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.31.2021 08:55	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.31.2021 08:55	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.31.2021 08:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	100	%	70-130	01.31.2021 08:55	
1,4-Difluorobenzene	540-36-3	99	%	70-130	01.31.2021 08:55	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 113 @ 3'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-007	Date Collected:	01.25.2021 00:00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 09:00	% Moisture:	
Seq Number:	3149471			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**17.7**	4.96	mg/kg	01.29.2021 10:47		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.30.2021 10:00	% Moisture:	
Seq Number:	3149595			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.30.2021 17:20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.30.2021 17:20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.30.2021 17:20	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.30.2021 17:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-130	01.30.2021 17:20	
o-Terphenyl	84-15-1	107	%	70-130	01.30.2021 17:20	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 113 @ 3'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-007	Date Collected:	01.25.2021 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 18:00	% Moisture:	
Seq Number:	3149482			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.31.2021 09:15	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.31.2021 09:15	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.31.2021 09:15	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.31.2021 09:15	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.31.2021 09:15	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.31.2021 09:15	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.31.2021 09:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	01.31.2021 09:15	
4-Bromofluorobenzene	460-00-4	102	%	70-130	01.31.2021 09:15	

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Landes Pond Release

Sample Id:	**FL 114 @ 3'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-008	Date Collected:	01.25.2021 00:00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 09:00	% Moisture:	
Seq Number:	3149471			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**12.2**	5.00	mg/kg	01.29.2021 10:52		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.30.2021 10:00	% Moisture:	
Seq Number:	3149595			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.30.2021 17:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.30.2021 17:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.30.2021 17:41	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.30.2021 17:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-130	01.30.2021 17:41	
o-Terphenyl	84-15-1	108	%	70-130	01.30.2021 17:41	

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Landes Pond Release

Sample Id:	**FL 114 @ 3'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-008	Date Collected:	01.25.2021 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 18:00	% Moisture:	
Seq Number:	3149482			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.31.2021 09:35	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.31.2021 09:35	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.31.2021 09:35	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.31.2021 09:35	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.31.2021 09:35	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.31.2021 09:35	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.31.2021 09:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	103	%	70-130	01.31.2021 09:35	
1,4-Difluorobenzene	540-36-3	98	%	70-130	01.31.2021 09:35	

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Landes Pond Release

Sample Id:	**FL 115 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-009	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 09:00	% Moisture:	
Seq Number:	3149471			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**47.3**	5.03	mg/kg	01.29.2021 10:57		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.30.2021 10:00	% Moisture:	
Seq Number:	3149595			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.30.2021 18:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.30.2021 18:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.30.2021 18:02	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.30.2021 18:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-130	01.30.2021 18:02	
o-Terphenyl	84-15-1	110	%	70-130	01.30.2021 18:02	

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Landes Pond Release

Sample Id:	**FL 115 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-009	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 17:30	% Moisture:	
Seq Number:	3149480			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.31.2021 05:01	UXF	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.31.2021 05:01	UX	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.31.2021 05:01	UXF	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.31.2021 05:01	UXF	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.31.2021 05:01	UX	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.31.2021 05:01	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.31.2021 05:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	106	%	70-130	01.31.2021 05:01	
4-Bromofluorobenzene	460-00-4	110	%	70-130	01.31.2021 05:01	

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Landes Pond Release

Sample Id:	**FL 116 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-010	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 09:00	% Moisture:	
Seq Number:	3149471			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**65.2**	4.97	mg/kg	01.29.2021 11:02		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.30.2021 10:00	% Moisture:	
Seq Number:	3149595			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.30.2021 18:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.30.2021 18:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.30.2021 18:23	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.30.2021 18:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-130	01.30.2021 18:23	
o-Terphenyl	84-15-1	104	%	70-130	01.30.2021 18:23	

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Certificate of Analytical Results 686162

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 116 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-010	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 17:30	% Moisture:	
Seq Number:	3149480			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.31.2021 05:22	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.31.2021 05:22	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.31.2021 05:22	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	01.31.2021 05:22	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.31.2021 05:22	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.31.2021 05:22	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.31.2021 05:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.31.2021 05:22	
4-Bromofluorobenzene	460-00-4	113	%	70-130	01.31.2021 05:22	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 117 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-011	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 09:00	% Moisture:	
Seq Number:	3149471			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**152**	5.05	mg/kg	01.29.2021 11:08		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.30.2021 10:00	% Moisture:	
Seq Number:	3149595			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.30.2021 19:05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.30.2021 19:05	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.30.2021 19:05	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.30.2021 19:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-130	01.30.2021 19:05	
o-Terphenyl	84-15-1	99	%	70-130	01.30.2021 19:05	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 117 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-011	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 17:30	% Moisture:	
Seq Number:	3149480			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.31.2021 05:42	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.31.2021 05:42	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.31.2021 05:42	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.31.2021 05:42	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.31.2021 05:42	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.31.2021 05:42	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.31.2021 05:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	01.31.2021 05:42	
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.31.2021 05:42	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 118 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-012	Date Collected:	01.25.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 09:00	% Moisture:	
Seq Number:	3149471			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1440**	25.0	mg/kg	01.29.2021 11:24		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.30.2021 10:00	% Moisture:	
Seq Number:	3149595			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.30.2021 19:27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.30.2021 19:27	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.30.2021 19:27	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.30.2021 19:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-130	01.30.2021 19:27	
o-Terphenyl	84-15-1	104	%	70-130	01.30.2021 19:27	

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Landes Pond Release

Sample Id:	**FL 118 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-012	Date Collected:	01.25.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 17:30	% Moisture:	
Seq Number:	3149480			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.31.2021 06:02	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.31.2021 06:02	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.31.2021 06:02	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.31.2021 06:02	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.31.2021 06:02	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.31.2021 06:02	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.31.2021 06:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	01.31.2021 06:02	
4-Bromofluorobenzene	460-00-4	113	%	70-130	01.31.2021 06:02	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 119 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-013	Date Collected:	01.25.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 09:00	% Moisture:	
Seq Number:	3149471			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**197**	4.98	mg/kg	01.29.2021 11:29		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.30.2021 10:00	% Moisture:	
Seq Number:	3149595			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.30.2021 19:48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.30.2021 19:48	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.30.2021 19:48	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.30.2021 19:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-130	01.30.2021 19:48	
o-Terphenyl	84-15-1	100	%	70-130	01.30.2021 19:48	

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Landes Pond Release

Sample Id:	**FL 119 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-013	Date Collected:	01.25.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 17:30	% Moisture:	
Seq Number:	3149480			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.31.2021 06:23	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.31.2021 06:23	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.31.2021 06:23	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.31.2021 06:23	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.31.2021 06:23	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.31.2021 06:23	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.31.2021 06:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	119	%	70-130	01.31.2021 06:23	
1,4-Difluorobenzene	540-36-3	103	%	70-130	01.31.2021 06:23	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 120 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-014	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 09:00	% Moisture:	
Seq Number:	3149471			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**32.8**	4.96	mg/kg	01.29.2021 11:45		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.30.2021 10:00	% Moisture:	
Seq Number:	3149595			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.30.2021 20:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.30.2021 20:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.30.2021 20:10	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.30.2021 20:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-130	01.30.2021 20:10	
o-Terphenyl	84-15-1	106	%	70-130	01.30.2021 20:10	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 120 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-014	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 17:30	% Moisture:	
Seq Number:	3149480			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.31.2021 06:43	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.31.2021 06:43	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.31.2021 06:43	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.31.2021 06:43	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.31.2021 06:43	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.31.2021 06:43	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.31.2021 06:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	106	%	70-130	01.31.2021 06:43	
4-Bromofluorobenzene	460-00-4	120	%	70-130	01.31.2021 06:43	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 121 @ 0-6"**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-015	Date Collected:	01.25.2021 00:00	Sample Depth:	0 - 6 In

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 09:00	% Moisture:	
Seq Number:	3149471			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**35.1**	5.03	mg/kg	01.29.2021 11:50		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.30.2021 10:00	% Moisture:	
Seq Number:	3149595			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.30.2021 20:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.30.2021 20:31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.30.2021 20:31	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.30.2021 20:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-130	01.30.2021 20:31	
o-Terphenyl	84-15-1	97	%	70-130	01.30.2021 20:31	

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Landes Pond Release

Sample Id:	**FL 121 @ 0-6"**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-015	Date Collected:	01.25.2021 00:00	Sample Depth:	0 - 6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 17:30	% Moisture:	
Seq Number:	3149480			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.31.2021 07:04	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.31.2021 07:04	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.31.2021 07:04	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.31.2021 07:04	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.31.2021 07:04	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.31.2021 07:04	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.31.2021 07:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	117	%	70-130	01.31.2021 07:04	
1,4-Difluorobenzene	540-36-3	106	%	70-130	01.31.2021 07:04	

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Landes Pond Release

Sample Id:	**FL 122 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-016	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 09:00	% Moisture:	
Seq Number:	3149471			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**80.6**	5.05	mg/kg	01.29.2021 11:56		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.30.2021 10:00	% Moisture:	
Seq Number:	3149595			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.30.2021 20:53	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.30.2021 20:53	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.30.2021 20:53	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.30.2021 20:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-130	01.30.2021 20:53	
o-Terphenyl	84-15-1	100	%	70-130	01.30.2021 20:53	

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Landes Pond Release

Sample Id:	**FL 122 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-016	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 17:30	% Moisture:	
Seq Number:	3149480			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.31.2021 07:24	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.31.2021 07:24	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.31.2021 07:24	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.31.2021 07:24	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.31.2021 07:24	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.31.2021 07:24	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.31.2021 07:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	112	%	70-130	01.31.2021 07:24	
4-Bromofluorobenzene	460-00-4	119	%	70-130	01.31.2021 07:24	

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Certificate of Analytical Results 686162

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 123 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-017	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 09:00	% Moisture:	
Seq Number:	3149471			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**121**	4.99	mg/kg	01.29.2021 12:01		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.02.2021 12:00	% Moisture:	
Seq Number:	3149862			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.02.2021 20:13	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.02.2021 20:13	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.02.2021 20:13	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.02.2021 20:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-130	02.02.2021 20:13	
o-Terphenyl	84-15-1	113	%	70-130	02.02.2021 20:13	

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Certificate of Analytical Results 686162

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 123 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-017	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 17:30	% Moisture:	
Seq Number:	3149480			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.31.2021 07:45	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.31.2021 07:45	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.31.2021 07:45	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.31.2021 07:45	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.31.2021 07:45	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.31.2021 07:45	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.31.2021 07:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	109	%	70-130	01.31.2021 07:45	
1,4-Difluorobenzene	540-36-3	99	%	70-130	01.31.2021 07:45	

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Certificate of Analytical Results 686162

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 124 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-018	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 09:00	% Moisture:	
Seq Number:	3149471			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**50.6**	5.00	mg/kg	01.29.2021 12:06		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.02.2021 12:00	% Moisture:	
Seq Number:	3149862			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.02.2021 20:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.02.2021 20:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.02.2021 20:34	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.02.2021 20:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-130	02.02.2021 20:34	
o-Terphenyl	84-15-1	106	%	70-130	02.02.2021 20:34	

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Certificate of Analytical Results 686162

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 124 @ 1'**	Matrix:	Soil	Date Received:	01.27.2021 11:50
Lab Sample Id:	686162-018	Date Collected:	01.25.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.29.2021 17:30	% Moisture:	
Seq Number:	3149480			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.31.2021 08:06	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.31.2021 08:06	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.31.2021 08:06	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.31.2021 08:06	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.31.2021 08:06	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.31.2021 08:06	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.31.2021 08:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	01.31.2021 08:06	
4-Bromofluorobenzene	460-00-4	131	%	70-130	01.31.2021 08:06	**

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 686162

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3149471 — Matrix: Solid — Date Prep: 01.29.2021
MB Sample Id: 7720283-1-BLK — LCS Sample Id: 7720283-1-BKS — LCSD Sample Id: 7720283-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	260	104	260	104	90-110	0	20	mg/kg	01.29.2021 09:42	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3149471 — Matrix: Soil — Date Prep: 01.29.2021
Parent Sample Id: 686162-001 — MS Sample Id: 686162-001 S — MSD Sample Id: 686162-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	23.7	251	284	104	283	103	90-110	0	20	mg/kg	01.29.2021 09:58	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3149471 — Matrix: Soil — Date Prep: 01.29.2021
Parent Sample Id: 686162-011 — MS Sample Id: 686162-011 S — MSD Sample Id: 686162-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	152	253	419	106	430	110	90-110	3	20	mg/kg	01.29.2021 11:13	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149595 — Matrix: Solid — Date Prep: 01.30.2021
MB Sample Id: 7720484-1-BLK — LCS Sample Id: 7720484-1-BKS — LCSD Sample Id: 7720484-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	905	91	895	90	70-130	1	20	mg/kg	01.30.2021 13:48	
Diesel Range Organics (DRO)	<50.0	1000	831	83	826	83	70-130	1	20	mg/kg	01.30.2021 13:48	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	86		82		79		70-130	%	01.30.2021 13:48
o-Terphenyl	106		86		84		70-130	%	01.30.2021 13:48

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149862 — Matrix: Solid — Date Prep: 02.02.2021
MB Sample Id: 7720660-1-BLK — LCS Sample Id: 7720660-1-BKS — LCSD Sample Id: 7720660-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	843	84	870	87	70-130	3	20	mg/kg	02.02.2021 12:05	
Diesel Range Organics (DRO)	<50.0	1000	852	85	837	84	70-130	2	20	mg/kg	02.02.2021 12:05	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	82		83		76		70-130	%	02.02.2021 12:05
o-Terphenyl	111		101		92		70-130	%	02.02.2021 12:05

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 686162

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Landes Pond Release

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149595 — Matrix: Solid — Date Prep: 01.30.2021
MB Sample Id: 7720484-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.30.2021 23:03	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149862 — Matrix: Solid — Date Prep: 02.02.2021
MB Sample Id: 7720660-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.02.2021 11:45	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149595 — Matrix: Soil — Date Prep: 01.30.2021
Parent Sample Id: 686162-001 — MS Sample Id: 686162-001 S — MSD Sample Id: 686162-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	999	930	93	953	95	70-130	2	20	mg/kg	01.30.2021 14:52	
Diesel Range Organics (DRO)	<50.0	999	847	85	875	88	70-130	3	20	mg/kg	01.30.2021 14:52	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	83		84		70-130	%	01.30.2021 14:52
o-Terphenyl	84		86		70-130	%	01.30.2021 14:52

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149862 — Matrix: Soil — Date Prep: 02.02.2021
Parent Sample Id: 686393-001 — MS Sample Id: 686393-001 S — MSD Sample Id: 686393-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	842	84	878	88	70-130	4	20	mg/kg	02.02.2021 13:08	
Diesel Range Organics (DRO)	<49.9	997	823	83	835	84	70-130	1	20	mg/kg	02.02.2021 13:08	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	84		87		70-130	%	02.02.2021 13:08
o-Terphenyl	101		100		70-130	%	02.02.2021 13:08

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 686162

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Landes Pond Release

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149480 — Matrix: Solid — Date Prep: 01.29.2021
MB Sample Id: 7720418-1-BLK — LCS Sample Id: 7720418-1-BKS — LCSD Sample Id: 7720418-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0827	83	0.0818	82	70-130	1	35	mg/kg	01.31.2021 02:41	
Toluene	<0.00200	0.100	0.0993	99	0.0960	96	70-130	3	35	mg/kg	01.31.2021 02:41	
Ethylbenzene	<0.00200	0.100	0.0977	98	0.0908	91	70-130	7	35	mg/kg	01.31.2021 02:41	
m,p-Xylenes	<0.00400	0.200	0.192	96	0.187	94	70-130	3	35	mg/kg	01.31.2021 02:41	
o-Xylene	<0.00200	0.100	0.0943	94	0.0918	92	70-130	3	35	mg/kg	01.31.2021 02:41	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	95		102		103		70-130	%	01.31.2021 02:41
4-Bromofluorobenzene	124		115		114		70-130	%	01.31.2021 02:41

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149482 — Matrix: Solid — Date Prep: 01.29.2021
MB Sample Id: 7720420-1-BLK — LCS Sample Id: 7720420-1-BKS — LCSD Sample Id: 7720420-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.107	107	0.0976	98	70-130	9	35	mg/kg	01.31.2021 01:07	
Toluene	<0.00200	0.100	0.100	100	0.0908	91	70-130	10	35	mg/kg	01.31.2021 01:07	
Ethylbenzene	<0.00200	0.100	0.104	104	0.0937	94	70-130	10	35	mg/kg	01.31.2021 01:07	
m,p-Xylenes	<0.00400	0.200	0.205	103	0.189	95	70-130	8	35	mg/kg	01.31.2021 01:07	
o-Xylene	<0.00200	0.100	0.102	102	0.0935	94	70-130	9	35	mg/kg	01.31.2021 01:07	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	94		101		100		70-130	%	01.31.2021 01:07
4-Bromofluorobenzene	112		102		99		70-130	%	01.31.2021 01:07

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149480 — Matrix: Soil — Date Prep: 01.29.2021
Parent Sample Id: 686162-009 — MS Sample Id: 686162-009 S — MSD Sample Id: 686162-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.100	0.0362	36	0.0230	23	70-130	45	35	mg/kg	01.31.2021 03:21	XF
Toluene	<0.00201	0.100	0.0371	37	0.0269	27	70-130	32	35	mg/kg	01.31.2021 03:21	X
Ethylbenzene	<0.00201	0.100	0.0407	41	0.0257	26	70-130	45	35	mg/kg	01.31.2021 03:21	XF
m,p-Xylenes	<0.00402	0.201	0.0758	38	0.0516	26	70-130	38	35	mg/kg	01.31.2021 03:21	XF
o-Xylene	<0.00201	0.100	0.0379	38	0.0278	28	70-130	31	35	mg/kg	01.31.2021 03:21	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	116		100		70-130	%	01.31.2021 03:21
4-Bromofluorobenzene	123		113		70-130	%	01.31.2021 03:21

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 686162

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A

Seq Number: 3149482 Matrix: Soil Date Prep: 01.29.2021

Parent Sample Id: 686160-001 MS Sample Id: 686160-001 S MSD Sample Id: 686160-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	0.0708	0.100	0.0580	0	0.0583	0	70-130	1	35	mg/kg	01.31.2021 01:47	X
Toluene	0.436	0.100	0.191	0	0.163	0	70-130	16	35	mg/kg	01.31.2021 01:47	X
Ethylbenzene	0.186	0.100	0.108	0	0.0943	0	70-130	14	35	mg/kg	01.31.2021 01:47	X
m,p-Xylenes	0.209	0.200	0.128	0	0.111	0	70-130	14	35	mg/kg	01.31.2021 01:47	X
o-Xylene	0.0653	0.100	0.0439	0	0.0494	0	70-130	12	35	mg/kg	01.31.2021 01:47	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	100		100		70-130	%	01.31.2021 01:47
4-Bromofluorobenzene	108		117		70-130	%	01.31.2021 01:47

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 608662

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Project Manager:	Joel Lowry	Bill to: (if different)	Solaris Water Midstream C/O Rob Kirk
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to: PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/USTR ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☒
Project Location	Rural Eddy Co., NM	Rush:	☐
Sampler's Name:	Tyler Griffin	Due Date:	
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	2	Thermometer ID	IR8		
Received Intact:	Yes No				
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-5		
Sample Custody Seals:	Yes No N/A	Total Containers:			

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)	Sample Comments
FL100 @ 3'	Soil	1/25/2021		3'	1/NO	X	X	X	
FL101 @ 3'	Soil	1/25/2021		3'	1/NO	X	X	X	
FL102 @ 3'	Soil	1/25/2021		3'	1/NO	X	X	X	
FL103 @ 3'	Soil	1/25/2021		3'	1/NO	X	X	X	
FL108 @ 1'	Soil	1/25/2021		1'	1/NO	X	X	X	
FL109 @ 1'	Soil	1/25/2021		1'	1/NO	X	X	X	
FL113 @ 3'	Soil	1/25/2021		3'	1/NO	X	X	X	
FL114 @ 3'	Soil	1/25/2021		3'	1/NO	X	X	X	
FL115 @ 1'	Soil	1/25/2021		1'	1/NO	X	X	X	
FL116 @ 1'	Soil	1/25/2021		1'	1/NO	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			2		
3			4		
5			6		

Revised Date101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Final 1.000
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Released to Imaging: 7/22/2021 3:04:17 PM

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 486162

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Project Manager:	Joel Lowry	Bill to: (if different)	Solaris Water Midstream C/O Rob Kirk
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to: PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☒
Project Location	Rural Eddy Co., NM	Rush:	☐
Sampler's Name:	Tyler Griffin	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	3.2	Thermometer ID	IR6	
Received Intact:	Yes No			
Cooler Custody Seals:	~~Yes~~ No N/A	Correction Factor:	.5	
Sample Custody Seals:	Yes No (N/A)	Total Containers:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)
FL117 @ 1'	Soil	1/25/2021		1'	1/NO	X	X	X
FL118 @ 2'	Soil	1/25/2021		2'	1/NO	X	X	X
FL119 @ 2'	Soil	1/25/2021		2'	1/NO	X	X	X
FL120 @ 1'	Soil	1/25/2021		1'	1/NO	X	X	X
FL121 @ 0-6"	Soil	1/25/2021		0-6"	1/NO	X	X	X
FL122 @ 1'	Soil	1/25/2021		1'	1/NO	X	X	X
FL123 @ 1'	Soil	1/25/2021		1'	1/NO	X	X	X
FL124 @ 1'	Soil	1/25/2021		1'	1/NO	X	X	X

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			2		
3			4		
5			6		

Revised Date101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
Page 50 of 51

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 01.27.2021 11.50.00 AM

Work Order #: 686162

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	.2
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6*Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**No**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#13 Samples properly preserved?	**Yes**
#14 Sample container(s) intact?	**Yes**
#15 Sufficient sample amount for indicated test(s)?	**Yes**
#16 All samples received within hold time?	**Yes**
#17 Subcontract of sample(s)?	**N/A**
#18 Water VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 01.27.2021

Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 01.27.2021

Jessica Kramer

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Certificate of Analysis Summary 686360

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co, NM

Date Received in Lab: Thu 01.28.2021 12:20
Report Date: 02.03.2021 16:58
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	686360-001		686360-002		686360-003		686360-004		686360-005		686360-006	
	Field Id:	FL 125 @ 0-6"		FL 126 @ 0-6"		FL 127 @ 0-6"		FL 128 @ 0-6"		FL 129 @ 0-6"		FL 130 @ 2'	
	Depth:	0-6 In		0-6 In		0-6 In		0-6 In		0-6 In		2- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.26.2021 00:00		01.26.2021 00:00		01.26.2021 00:00		01.26.2021 00:00		01.26.2021 00:00		01.26.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	02.01.2021 12:00		** ** ** **		** ** ** **		** ** ** **		** ** ** **		** ** ** **	
	Analyzed:	02.01.2021 22:59		02.02.2021 08:51		02.02.2021 13:06		02.02.2021 13:32		02.02.2021 13:57		02.02.2021 14:23	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
Toluene		<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
Ethylbenzene		<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
m,p-Xylenes		<0.00403	0.00403	<0.00398	0.00398	<0.00399	0.00399	<0.00399	0.00399	<0.00398	0.00398	<0.00397	0.00397
o-Xylene		<0.00202	0.00202	0.0172	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
Total Xylenes		<0.00202	0.00202	0.0172	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
Total BTEX		<0.00202	0.00202	0.0172	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
Inorganic Anions by EPA 300	***Extracted:***	01.29.2021 14:10		01.29.2021 14:10		01.29.2021 14:10		01.29.2021 14:10		01.29.2021 14:10		01.29.2021 14:10	
	Analyzed:	01.31.2021 13:31		01.31.2021 13:37		01.31.2021 13:53		01.31.2021 13:58		01.31.2021 14:03		01.31.2021 14:09	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		305	25.1	53.3	5.00	244	4.98	29.8	4.95	42.0	5.04	14.5	5.00
TPH by SW8015 Mod	***Extracted:***	02.02.2021 12:00		02.02.2021 12:00		02.02.2021 12:00		02.02.2021 12:00		02.02.2021 12:00		02.02.2021 12:00	
	Analyzed:	02.02.2021 14:53		02.02.2021 15:14		02.02.2021 15:41		02.02.2021 16:02		02.02.2021 16:23		02.02.2021 16:44	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0
Diesel Range Organics (DRO)		<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0
Total TPH		<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 686360

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co, NM

Date Received in Lab: Thu 01.28.2021 12:20
Report Date: 02.03.2021 16:58
Project Manager: Jessica Kramer

Analysis Requested																							
	Lab Id:	686360-007				686360-008				686360-009				686360-010				686360-011					
	Field Id:	FL 131 @ 2'				FL 132 @ 2'				FL 133 @ 2'				FL 134 @ 2'				FL 135 @ 2'					
	Depth:	2- ft				2- ft				2- ft				2- ft				2- ft					
	Matrix:	SOIL				SOIL				SOIL				SOIL				SOIL					
	Sampled:	01.26.2021 00:00				01.26.2021 00:00				01.26.2021 00:00				01.26.2021 00:00				01.26.2021 00:00					
BTEX by EPA 8021B	***Extracted:***	** ** ** **				02.02.2021 15:45				** ** ** **				** ** ** **				** ** ** **					
	Analyzed:	02.02.2021 14:48				02.02.2021 19:19				02.02.2021 16:48				02.02.2021 17:14				02.02.2021 17:39					
	Units/RL:	mg/kg	RL			mg/kg	RL			mg/kg	RL			mg/kg	RL			mg/kg	RL				
Benzene		<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200				
Toluene		<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200				
Ethylbenzene		<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200				
m,p-Xylenes		<0.00399	0.00399			<0.00400	0.00400			<0.00401	0.00401			<0.00399	0.00399			<0.00399	0.00399				
o-Xylene		<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200				
Total Xylenes		<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200				
Total BTEX		<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200				
Inorganic Anions by EPA 300	***Extracted:***	01.29.2021 14:10				01.29.2021 14:10				01.29.2021 14:10				01.31.2021 11:30				01.31.2021 11:30					
	Analyzed:	01.31.2021 14:14				01.31.2021 14:19				01.31.2021 14:25				01.31.2021 14:57				01.31.2021 15:13					
	Units/RL:	mg/kg	RL			mg/kg	RL			mg/kg	RL			mg/kg	RL			mg/kg	RL				
Chloride		29.8	5.00			24.3	5.00			31.6	4.98			22.2	5.04			23.1	4.96				
TPH by SW8015 Mod	***Extracted:***	02.02.2021 12:00				02.02.2021 12:00				02.02.2021 12:00				02.02.2021 12:00				02.02.2021 12:00					
	Analyzed:	02.02.2021 17:26				02.02.2021 17:47				02.02.2021 18:08				02.02.2021 18:29				02.02.2021 18:49					
	Units/RL:	mg/kg	RL			mg/kg	RL			mg/kg	RL			mg/kg	RL			mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9			<49.8	49.8			<50.0	50.0			<49.9	49.9			<50.0	50.0				
Diesel Range Organics (DRO)		<49.9	49.9			<49.8	49.8			<50.0	50.0			<49.9	49.9			<50.0	50.0				
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9			<49.8	49.8			<50.0	50.0			<49.9	49.9			<50.0	50.0				
Total TPH		<49.9	49.9			<49.8	49.8			<50.0	50.0			<49.9	49.9			<50.0	50.0				

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer

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Analytical Report 686360

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

Landes Pond Release

13261

02.03.2021

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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02.03.2021

Project Manager: **PM**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **686360**
Landes Pond Release
Project Address: Rural Eddy Co, NM

PM :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 686360. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 686360 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 686360

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
FL 125 @ 0-6"	S	01.26.2021 00:00	0 - 6 In	686360-001
FL 126 @ 0-6"	S	01.26.2021 00:00	0 - 6 In	686360-002
FL 127 @ 0-6"	S	01.26.2021 00:00	0 - 6 In	686360-003
FL 128 @ 0-6"	S	01.26.2021 00:00	0 - 6 In	686360-004
FL 129 @ 0-6"	S	01.26.2021 00:00	0 - 6 In	686360-005
FL 130 @ 2'	S	01.26.2021 00:00	2 ft	686360-006
FL 131 @ 2'	S	01.26.2021 00:00	2 ft	686360-007
FL 132 @ 2'	S	01.26.2021 00:00	2 ft	686360-008
FL 133 @ 2'	S	01.26.2021 00:00	2 ft	686360-009
FL 134 @ 2'	S	01.26.2021 00:00	2 ft	686360-010
FL 135 @ 2'	S	01.26.2021 00:00	2 ft	686360-011

CASE NARRATIVE

eurofins | Environment Testing Xenco

Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Landes Pond Release

Project ID: *13261*
Work Order Number(s): *686360*

Report Date: *02.03.2021*
Date Received: *01.28.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3149662 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered above QC limits . Samples affected are: 7720560-1-BKS,686362-001 S,686362-001 SD.

Batch: LBA-3149813 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected; Samples affected are: 686399-001 SD,686360-009,686360-011,686360-006.

eurofins | Environment Testing Xenco

Certificate of Analytical Results 686360

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 125 @ 0-6"**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-001	Date Collected:	01.26.2021 00:00	Sample Depth:	0 - 6 In

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 01.29.2021 14:10 % Moisture:

Seq Number: 3149505 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**305**	25.1	mg/kg	01.31.2021 13:31		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.02.2021 12:00 % Moisture:

Seq Number: 3149864 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.02.2021 14:53	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.02.2021 14:53	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.02.2021 14:53	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.02.2021 14:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-130	02.02.2021 14:53	
o-Terphenyl	84-15-1	102	%	70-130	02.02.2021 14:53	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 125 @ 0-6"**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-001	Date Collected:	01.26.2021 00:00	Sample Depth:	0 - 6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.01.2021 12:00	% Moisture:	
Seq Number:	3149662			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.01.2021 22:59	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.01.2021 22:59	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.01.2021 22:59	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	02.01.2021 22:59	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.01.2021 22:59	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	02.01.2021 22:59	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.01.2021 22:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	129	%	70-130	02.01.2021 22:59	
1,4-Difluorobenzene	540-36-3	84	%	70-130	02.01.2021 22:59	

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Landes Pond Release

Sample Id:	**FL 126 @ 0-6"**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-002	Date Collected:	01.26.2021 00:00	Sample Depth:	0 - 6 In

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 01.29.2021 14:10 % Moisture:

Seq Number: 3149505 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**53.3**	5.00	mg/kg	01.31.2021 13:37		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.02.2021 12:00 % Moisture:

Seq Number: 3149864 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.02.2021 15:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.02.2021 15:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.02.2021 15:14	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.02.2021 15:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-130	02.02.2021 15:14	
o-Terphenyl	84-15-1	94	%	70-130	02.02.2021 15:14	

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Landes Pond Release

Sample Id:	**FL 126 @ 0-6"**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-002	Date Collected:	01.26.2021 00:00	Sample Depth:	0 - 6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	DVM				
Analyst:	MNR	Date Prep:	02.02.2020 10:00	% Moisture:	
Seq Number:	3149813			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.02.2021 08:51	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.02.2021 08:51	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.02.2021 08:51	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.02.2021 08:51	U	1
o-Xylene	95-47-6	**0.0172**	0.00199	mg/kg	02.02.2021 08:51		1
Total Xylenes	1330-20-7	**0.0172**	0.00199	mg/kg	02.02.2021 08:51		1
Total BTEX		**0.0172**	0.00199	mg/kg	02.02.2021 08:51		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	122	%	70-130	02.02.2021 08:51	
1,4-Difluorobenzene	540-36-3	94	%	70-130	02.02.2021 08:51	

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Landes Pond Release

Sample Id:	**FL 127 @ 0-6"**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-003	Date Collected:	01.26.2021 00:00	Sample Depth:	0 - 6 In

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 01.29.2021 14:10 % Moisture:

Seq Number: 3149505 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**244**	4.98	mg/kg	01.31.2021 13:53		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.02.2021 12:00 % Moisture:

Seq Number: 3149864 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.02.2021 15:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.02.2021 15:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.02.2021 15:41	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.02.2021 15:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-130	02.02.2021 15:41	
o-Terphenyl	84-15-1	96	%	70-130	02.02.2021 15:41	

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Landes Pond Release

Sample Id:	**FL 127 @ 0-6"**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-003	Date Collected:	01.26.2021 00:00	Sample Depth:	0 - 6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	DVM				
Analyst:	MNR	Date Prep:	02.02.2020 10:00	% Moisture:	
Seq Number:	3149813			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.02.2021 13:06	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.02.2021 13:06	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.02.2021 13:06	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.02.2021 13:06	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.02.2021 13:06	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.02.2021 13:06	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.02.2021 13:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	119	%	70-130	02.02.2021 13:06	
1,4-Difluorobenzene	540-36-3	96	%	70-130	02.02.2021 13:06	

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Landes Pond Release

Sample Id:	**FL 128 @ 0-6"**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-004	Date Collected:	01.26.2021 00:00	Sample Depth:	0 - 6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 14:10	% Moisture:	
Seq Number:	3149505			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**29.8**	4.95	mg/kg	01.31.2021 13:58		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.02.2021 12:00	% Moisture:	
Seq Number:	3149864			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.02.2021 16:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.02.2021 16:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.02.2021 16:02	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.02.2021 16:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-130	02.02.2021 16:02	
o-Terphenyl	84-15-1	117	%	70-130	02.02.2021 16:02	

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Landes Pond Release

Sample Id:	**FL 128 @ 0-6"**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-004	Date Collected:	01.26.2021 00:00	Sample Depth:	0 - 6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	DVM				
Analyst:	MNR	Date Prep:	02.02.2020 10:00	% Moisture:	
Seq Number:	3149813			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.02.2021 13:32	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.02.2021 13:32	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.02.2021 13:32	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.02.2021 13:32	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.02.2021 13:32	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.02.2021 13:32	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.02.2021 13:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	122	%	70-130	02.02.2021 13:32	
1,4-Difluorobenzene	540-36-3	104	%	70-130	02.02.2021 13:32	

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Landes Pond Release

Sample Id:	**FL 129 @ 0-6"**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-005	Date Collected:	01.26.2021 00:00	Sample Depth:	0 - 6 In

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 01.29.2021 14:10 % Moisture:

Seq Number: 3149505 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**42.0**	5.04	mg/kg	01.31.2021 14:03		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.02.2021 12:00 % Moisture:

Seq Number: 3149864 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.02.2021 16:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.02.2021 16:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.02.2021 16:23	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.02.2021 16:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-130	02.02.2021 16:23	
o-Terphenyl	84-15-1	110	%	70-130	02.02.2021 16:23	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 129 @ 0-6"**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-005	Date Collected:	01.26.2021 00:00	Sample Depth:	0 - 6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	DVM				
Analyst:	MNR	Date Prep:	02.02.2020 10:00	% Moisture:	
Seq Number:	3149813			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.02.2021 13:57	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.02.2021 13:57	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.02.2021 13:57	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.02.2021 13:57	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.02.2021 13:57	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.02.2021 13:57	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.02.2021 13:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	123	%	70-130	02.02.2021 13:57	
1,4-Difluorobenzene	540-36-3	107	%	70-130	02.02.2021 13:57	

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Landes Pond Release

Sample Id:	**FL 130 @ 2'**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-006	Date Collected:	01.26.2021 00:00	Sample Depth:	2 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 01.29.2021 14:10 % Moisture:

Seq Number: 3149505 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**14.5**	5.00	mg/kg	01.31.2021 14:09		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.02.2021 12:00 % Moisture:

Seq Number: 3149864 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.02.2021 16:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.02.2021 16:44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.02.2021 16:44	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.02.2021 16:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-130	02.02.2021 16:44	
o-Terphenyl	84-15-1	111	%	70-130	02.02.2021 16:44	

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Landes Pond Release

Sample Id:	**FL 130 @ 2'**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-006	Date Collected:	01.26.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	DVM				
Analyst:	MNR	Date Prep:	02.02.2020 10:00	% Moisture:	
Seq Number:	3149813			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	02.02.2021 14:23	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	02.02.2021 14:23	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	02.02.2021 14:23	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	02.02.2021 14:23	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	02.02.2021 14:23	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	02.02.2021 14:23	U	1
Total BTEX		<0.00198	0.00198	mg/kg	02.02.2021 14:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	135	%	70-130	02.02.2021 14:23	**
1,4-Difluorobenzene	540-36-3	114	%	70-130	02.02.2021 14:23	

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Landes Pond Release

Sample Id:	**FL 131 @ 2'**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-007	Date Collected:	01.26.2021 00:00	Sample Depth:	2 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 01.29.2021 14:10 % Moisture:

Seq Number: 3149505 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**29.8**	5.00	mg/kg	01.31.2021 14:14		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.02.2021 12:00 % Moisture:

Seq Number: 3149864 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.02.2021 17:26	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.02.2021 17:26	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.02.2021 17:26	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.02.2021 17:26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-130	02.02.2021 17:26	
o-Terphenyl	84-15-1	98	%	70-130	02.02.2021 17:26	

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Landes Pond Release

Sample Id:	**FL 131 @ 2'**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-007	Date Collected:	01.26.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	DVM				
Analyst:	MNR	Date Prep:	02.02.2020 10:00	% Moisture:	
Seq Number:	3149813			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.02.2021 14:48	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.02.2021 14:48	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.02.2021 14:48	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.02.2021 14:48	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.02.2021 14:48	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.02.2021 14:48	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.02.2021 14:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	122	%	70-130	02.02.2021 14:48	
1,4-Difluorobenzene	540-36-3	107	%	70-130	02.02.2021 14:48	

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Landes Pond Release

Sample Id:	**FL 132 @ 2'**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-008	Date Collected:	01.26.2021 00:00	Sample Depth:	2 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: CHE
Analyst: CHE
Seq Number: 3149505

Date Prep: 01.29.2021 14:10

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**24.3**	5.00	mg/kg	01.31.2021 14:19		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3149864

Date Prep: 02.02.2021 12:00

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.02.2021 17:47	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.02.2021 17:47	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.02.2021 17:47	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.02.2021 17:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-130	02.02.2021 17:47	
o-Terphenyl	84-15-1	127	%	70-130	02.02.2021 17:47	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 132 @ 2'**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-008	Date Collected:	01.26.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.02.2021 15:45	% Moisture:	
Seq Number:	3149805			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.02.2021 19:19	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.02.2021 19:19	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.02.2021 19:19	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.02.2021 19:19	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.02.2021 19:19	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.02.2021 19:19	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.02.2021 19:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	97	%	70-130	02.02.2021 19:19	
4-Bromofluorobenzene	460-00-4	101	%	70-130	02.02.2021 19:19	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 133 @ 2'**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-009	Date Collected:	01.26.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.29.2021 14:10	% Moisture:	
Seq Number:	3149505			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**31.6**	4.98	mg/kg	01.31.2021 14:25		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.02.2021 12:00	% Moisture:	
Seq Number:	3149864			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.02.2021 18:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.02.2021 18:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.02.2021 18:08	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.02.2021 18:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	71	%	70-130	02.02.2021 18:08	
o-Terphenyl	84-15-1	77	%	70-130	02.02.2021 18:08	

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Landes Pond Release

Sample Id:	**FL 133 @ 2'**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-009	Date Collected:	01.26.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	DVM				
Analyst:	MNR	Date Prep:	02.02.2020 10:00	% Moisture:	
Seq Number:	3149813			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.02.2021 16:48	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.02.2021 16:48	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.02.2021 16:48	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.02.2021 16:48	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.02.2021 16:48	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.02.2021 16:48	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.02.2021 16:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	131	%	70-130	02.02.2021 16:48	**
1,4-Difluorobenzene	540-36-3	98	%	70-130	02.02.2021 16:48	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 134 @ 2'**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-010	Date Collected:	01.26.2021 00:00	Sample Depth:	2 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 01.31.2021 11:30 % Moisture:

Seq Number: 3149509 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**22.2**	5.04	mg/kg	01.31.2021 14:57		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.02.2021 12:00 % Moisture:

Seq Number: 3149864 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.02.2021 18:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.02.2021 18:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.02.2021 18:29	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.02.2021 18:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-130	02.02.2021 18:29	
o-Terphenyl	84-15-1	111	%	70-130	02.02.2021 18:29	

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Landes Pond Release

Sample Id:	**FL 134 @ 2'**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-010	Date Collected:	01.26.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	DVM				
Analyst:	MNR	Date Prep:	02.02.2020 10:00	% Moisture:	
Seq Number:	3149813			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.02.2021 17:14	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.02.2021 17:14	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.02.2021 17:14	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.02.2021 17:14	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.02.2021 17:14	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.02.2021 17:14	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.02.2021 17:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.02.2021 17:14	
4-Bromofluorobenzene	460-00-4	114	%	70-130	02.02.2021 17:14	

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Landes Pond Release

Sample Id:	**FL 135 @ 2'**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-011	Date Collected:	01.26.2021 00:00	Sample Depth:	2 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: CHE
Analyst: CHE
Seq Number: 3149509

Date Prep: 01.31.2021 11:30

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**23.1**	4.96	mg/kg	01.31.2021 15:13		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3149864

Date Prep: 02.02.2021 12:00

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.02.2021 18:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.02.2021 18:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.02.2021 18:49	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.02.2021 18:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-130	02.02.2021 18:49	
o-Terphenyl	84-15-1	110	%	70-130	02.02.2021 18:49	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 135 @ 2'**	Matrix:	Soil	Date Received:	01.28.2021 12:20
Lab Sample Id:	686360-011	Date Collected:	01.26.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	DVM				
Analyst:	MNR	Date Prep:	02.02.2020 10:00	% Moisture:	
Seq Number:	3149813			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.02.2021 17:39	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.02.2021 17:39	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.02.2021 17:39	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.02.2021 17:39	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.02.2021 17:39	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.02.2021 17:39	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.02.2021 17:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	02.02.2021 17:39	
4-Bromofluorobenzene	460-00-4	133	%	70-130	02.02.2021 17:39	**

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 686360

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149505 — Matrix: Solid — Date Prep: 01.29.2021
MB Sample Id: 7720335-1-BLK — LCS Sample Id: 7720335-1-BKS — LCSD Sample Id: 7720335-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	236	94	236	94	90-110	0	20	mg/kg	01.31.2021 11:50	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149509 — Matrix: Solid — Date Prep: 01.31.2021
MB Sample Id: 7720409-1-BLK — LCS Sample Id: 7720409-1-BKS — LCSD Sample Id: 7720409-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	239	96	238	95	90-110	0	20	mg/kg	01.31.2021 14:46	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149505 — Matrix: Soil — Date Prep: 01.29.2021
Parent Sample Id: 686362-004 — MS Sample Id: 686362-004 S — MSD Sample Id: 686362-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	220	251	496	110	494	110	90-110	0	20	mg/kg	01.31.2021 12:06	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149505 — Matrix: Soil — Date Prep: 01.29.2021
Parent Sample Id: 686364-006 — MS Sample Id: 686364-006 S — MSD Sample Id: 686364-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	10.5	248	293	114	293	114	90-110	0	20	mg/kg	01.31.2021 13:20	X

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149509 — Matrix: Soil — Date Prep: 01.31.2021
Parent Sample Id: 686360-010 — MS Sample Id: 686360-010 S — MSD Sample Id: 686360-010 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	22.2	252	274	100	275	100	90-110	0	20	mg/kg	01.31.2021 15:02	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149509 — Matrix: Soil — Date Prep: 01.31.2021
Parent Sample Id: 686563-005 — MS Sample Id: 686563-005 S — MSD Sample Id: 686563-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	39.5	253	334	116	298	102	90-110	11	20	mg/kg	01.31.2021 16:17	X

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 686360

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149864 — Matrix: Solid — Date Prep: 02.02.2021
MB Sample Id: 7720662-1-BLK — LCS Sample Id: 7720662-1-BKS — LCSD Sample Id: 7720662-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	971	97	991	99	70-130	2	20	mg/kg	02.02.2021 21:36	
Diesel Range Organics (DRO)	<50.0	1000	862	86	889	89	70-130	3	20	mg/kg	02.02.2021 21:36	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	99		90		93		70-130	%	02.02.2021 21:36
o-Terphenyl	109		89		96		70-130	%	02.02.2021 21:36

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149864 — Matrix: Solid — Date Prep: 02.02.2021
MB Sample Id: 7720662-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.01.2021 11:43	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149864 — Matrix: Soil — Date Prep: 02.02.2021
Parent Sample Id: 686411-001 — MS Sample Id: 686411-001 S — MSD Sample Id: 686411-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	1030	103	958	96	70-130	7	20	mg/kg	02.02.2021 13:08	
Diesel Range Organics (DRO)	<49.9	997	930	93	862	87	70-130	8	20	mg/kg	02.02.2021 13:08	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	90		83		70-130	%	02.02.2021 13:08
o-Terphenyl	90		84		70-130	%	02.02.2021 13:08

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149813 — Matrix: Solid — Date Prep: 02.02.2020
MB Sample Id: 7720644-1-BLK — LCS Sample Id: 7720644-1-BKS — LCSD Sample Id: 7720644-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0731	73	0.0927	93	70-130	24	35	mg/kg	02.02.2021 03:37	
Toluene	<0.00200	0.100	0.0766	77	0.0998	100	70-130	26	35	mg/kg	02.02.2021 03:37	
Ethylbenzene	<0.00200	0.100	0.0755	76	0.0996	100	70-130	28	35	mg/kg	02.02.2021 03:37	
m,p-Xylenes	<0.00400	0.200	0.156	78	0.203	102	70-130	26	35	mg/kg	02.02.2021 03:37	
o-Xylene	<0.00200	0.100	0.0777	78	0.0977	98	70-130	23	35	mg/kg	02.02.2021 03:37	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	84		96		99		70-130	%	02.02.2021 03:37
4-Bromofluorobenzene	85		102		119		70-130	%	02.02.2021 03:37

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 686360

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149662 — Matrix: Solid — Date Prep: 02.01.2021
MB Sample Id: 7720560-1-BLK — LCS Sample Id: 7720560-1-BKS — LCSD Sample Id: 7720560-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.102	102	0.0917	92	70-130	11	35	mg/kg	02.01.2021 13:15	
Toluene	<0.00200	0.100	0.108	108	0.0948	95	70-130	13	35	mg/kg	02.01.2021 13:15	
Ethylbenzene	<0.00200	0.100	0.109	109	0.0992	99	70-130	9	35	mg/kg	02.01.2021 13:15	
m,p-Xylenes	<0.00400	0.200	0.224	112	0.206	103	70-130	8	35	mg/kg	02.01.2021 13:15	
o-Xylene	<0.00200	0.100	0.109	109	0.101	101	70-130	8	35	mg/kg	02.01.2021 13:15	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	72		81		79		70-130	%	02.01.2021 13:15
4-Bromofluorobenzene	92		133	**	124		70-130	%	02.01.2021 13:15

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149805 — Matrix: Solid — Date Prep: 02.02.2021
MB Sample Id: 7720645-1-BLK — LCS Sample Id: 7720645-1-BKS — LCSD Sample Id: 7720645-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.108	108	0.0985	99	70-130	9	35	mg/kg	02.02.2021 16:38	
Toluene	<0.00200	0.100	0.103	103	0.0938	94	70-130	9	35	mg/kg	02.02.2021 16:38	
Ethylbenzene	<0.00200	0.100	0.108	108	0.0983	98	70-130	9	35	mg/kg	02.02.2021 16:38	
m,p-Xylenes	<0.00400	0.200	0.213	107	0.193	97	70-130	10	35	mg/kg	02.02.2021 16:38	
o-Xylene	<0.00200	0.100	0.105	105	0.0949	95	70-130	10	35	mg/kg	02.02.2021 16:38	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	90		101		101		70-130	%	02.02.2021 16:38
4-Bromofluorobenzene	106		98		96		70-130	%	02.02.2021 16:38

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149813 — Matrix: Soil — Date Prep: 02.02.2020
Parent Sample Id: 686399-001 — MS Sample Id: 686399-001 S — MSD Sample Id: 686399-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	0.00214	0.100	0.0245	22	0.0682	66	70-130	94	35	mg/kg	02.02.2021 04:29	XF
Toluene	0.00318	0.100	0.0286	25	0.0679	65	70-130	81	35	mg/kg	02.02.2021 04:29	XF
Ethylbenzene	0.00161	0.100	0.0267	25	0.0524	51	70-130	65	35	mg/kg	02.02.2021 04:29	XF
m,p-Xylenes	0.00279	0.200	0.0584	28	0.108	53	70-130	60	35	mg/kg	02.02.2021 04:29	XF
o-Xylene	0.00394	0.100	0.0310	27	0.0584	54	70-130	61	35	mg/kg	02.02.2021 04:29	XF

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	89		88		70-130	%	02.02.2021 04:29
4-Bromofluorobenzene	108		136	**	70-130	%	02.02.2021 04:29

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 686360

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3149662 Matrix: Soil Date Prep: 02.01.2021
Parent Sample Id: 686362-001 MS Sample Id: 686362-001 S MSD Sample Id: 686362-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0519	52	0.0735	74	70-130	34	35	mg/kg	02.01.2021 14:05	X
Toluene	<0.00200	0.0998	0.0587	59	0.0807	81	70-130	32	35	mg/kg	02.01.2021 14:05	X
Ethylbenzene	<0.00200	0.0998	0.0577	58	0.0759	76	70-130	27	35	mg/kg	02.01.2021 14:05	X
m,p-Xylenes	0.00186	0.200	0.119	59	0.154	76	70-130	26	35	mg/kg	02.01.2021 14:05	X
o-Xylene	<0.00200	0.0998	0.0604	61	0.0767	77	70-130	24	35	mg/kg	02.01.2021 14:05	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	82		83		70-130	%	02.01.2021 14:05
4-Bromofluorobenzene	137	**	134	**	70-130	%	02.01.2021 14:05

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3149805 Matrix: Soil Date Prep: 02.02.2021
Parent Sample Id: 686989-001 MS Sample Id: 686989-001 S MSD Sample Id: 686989-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0493	49	0.0437	44	70-130	12	35	mg/kg	02.02.2021 17:18	X
Toluene	<0.00200	0.0998	0.0277	28	0.0247	25	70-130	11	35	mg/kg	02.02.2021 17:18	X
Ethylbenzene	<0.00200	0.0998	0.0170	17	0.0144	14	70-130	17	35	mg/kg	02.02.2021 17:18	X
m,p-Xylenes	<0.00399	0.200	0.0321	16	0.0280	14	70-130	14	35	mg/kg	02.02.2021 17:18	X
o-Xylene	<0.00200	0.0998	0.0167	17	0.0161	16	70-130	4	35	mg/kg	02.02.2021 17:18	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	107		106		70-130	%	02.02.2021 17:18
4-Bromofluorobenzene	87		88		70-130	%	02.02.2021 17:18

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 686346

www.xenco.com Page 1 of 2

Project Manager:	Joel Lowry	Bill to: (if different)	Solaris Water Midstream C/O Rob Kirk
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to: PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level I ☐ Level II ☐ PST/US ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☒
Project Location	Rural Eddy Co., NM	Rush:	☐
Sampler's Name:	Tyler Griffin	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	1.6	Thermometer ID	IR8	
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-.5	
Sample Custody Seals:	Yes No N/A	Total Containers:		

ANALYSIS REQUEST

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)	Sample Comments
FL125 @ 0-6"	Soil	1/26/2021		0-6"	1/NO	X	X	X	
FL126 @ 0-6"	Soil	1/26/2021		0-6"	1/NO	X	X	X	
FL127 @ 0-6"	Soil	1/26/2021		0-6"	1/NO	X	X	X	
FL128 @ 0-6"	Soil	1/26/2021		0-6"	1/NO	X	X	X	
FL129 @ 0-6"	Soil	1/26/2021		0-6"	1/NO	X	X	X	
FL130 @ 2'	Soil	1/26/2021		2'	1/NO	X	X	X	
FL131 @ 2'	Soil	1/26/2021		2'	1/NO	X	X	X	
FL132 @ 2'	Soil	1/26/2021		2'	1/NO	X	X	X	
FL133 @ 2'	Soil	1/26/2021		2'	1/NO	X	X	X	
FL134 @ 2'	Soil	1/26/2021		2'	1/NO	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		3:29 1-27	2		1/28/21 1200
3			4		
5			6		

Revised Date101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
Page 34 of 36

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 486360

www.xenco.com Page 2 of 2

Project Manager:	Joel Lowry	Bill to: (if different)	Solaris Water Midstream C/O Rob Kirk
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to: PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/US ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☒
Project Location	Rural Eddy Co., NM	Rush:	☐
Sampler's Name:	Tyler Griffin	Due Date:	
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	1.0	Thermometer ID	IR8		
Received Intact:	Yes No				
Cooler Custody Seals:	Yes No N/A	Correction Factor:		-.5	
Sample Custody Seals:	Yes No N/A	Total Containers:			

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)	Sample Comments
FL135 @ 2'	Soil	1/26/2021		2'	1/NO	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		3:29 1-27	2		1/28/21 1220
3			4		
5			6		

Revised Date101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Final 1.000
Page 35 of 36
Released to Imaging: 7/22/2021 3:04:17 PM

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 01.28.2021 12.20.00 PM

Work Order #: 686360

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	.6
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6*Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**No**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#13 Samples properly preserved?	**Yes**
#14 Sample container(s) intact?	**Yes**
#15 Sufficient sample amount for indicated test(s)?	**Yes**
#16 All samples received within hold time?	**Yes**
#17 Subcontract of sample(s)?	**N/A**
#18 Water VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 01.28.2021

Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 01.28.2021

Jessica Kramer

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Certificate of Analysis Summary 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Wed 01.27.2021 15:15
Report Date: 02.03.2021 16:13
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	686393-001		686393-002		686393-003		686393-004		686393-005		686393-006	
	Field Id:	FL 136 @ 2'		FL 137 @ 2'		FL 138 @ 2'		FL 139 @ 2'		FL 140 @ 2'		FL 141 @ 2'	
	Depth:	2- ft		2- ft		2- ft		2- ft		2- ft		2- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.27.2021 00:00		01.27.2021 00:00		01.27.2021 00:00		01.27.2021 00:00		01.27.2021 00:00		01.27.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.29.2021 15:08		01.29.2021 15:08		01.29.2021 15:08		01.29.2021 15:08		01.29.2021 15:08		01.29.2021 15:08	
	Analyzed:	01.30.2021 03:19		01.30.2021 04:39		01.30.2021 05:02		01.30.2021 05:24		01.30.2021 05:47		01.30.2021 06:09	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202
Toluene		<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202
Ethylbenzene		<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202
m,p-Xylenes		<0.00398	0.00398	<0.00399	0.00399	<0.00398	0.00398	<0.00399	0.00399	<0.00401	0.00401	<0.00403	0.00403
o-Xylene		<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202
Total Xylenes		<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202
Total BTEX		<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202
Inorganic Anions by EPA 300	***Extracted:***	01.29.2021 12:46		01.29.2021 12:46		01.29.2021 12:46		01.29.2021 12:46		01.29.2021 12:46		01.29.2021 12:46	
	Analyzed:	01.29.2021 16:47		01.29.2021 16:53		01.29.2021 17:10		01.29.2021 17:16		01.29.2021 17:33		01.29.2021 17:38	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		23.4	10.0	40.0	9.90	41.0	10.1	16.9	10.1	15.8	9.92	28.8	10.0
TPH by SW8015 Mod SUB: T104704400-20-21	***Extracted:***	02.02.2021 12:00		02.02.2021 12:00		02.02.2021 12:00		02.02.2021 12:00		02.02.2021 12:00		02.02.2021 12:00	
	Analyzed:	02.02.2021 12:47		02.02.2021 13:50		02.02.2021 14:11		02.02.2021 14:32		02.02.2021 14:53		02.02.2021 15:14	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<49.9	49.9	<50.0	50.0	<49.9	49.9	<49.9	49.9	<49.8	49.8
Diesel Range Organics (DRO)		<49.9	49.9	<49.9	49.9	<50.0	50.0	<49.9	49.9	<49.9	49.9	<49.8	49.8
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<49.9	49.9	<50.0	50.0	<49.9	49.9	<49.9	49.9	<49.8	49.8
Total TPH		<49.9	49.9	<49.9	49.9	<50.0	50.0	<49.9	49.9	<49.9	49.9	<49.8	49.8

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy County

Date Received in Lab: Wed 01.27.2021 15:15
Report Date: 02.03.2021 16:13
Project Manager: Jessica Kramer

Analysis Requested											
	Lab Id:	686393-007		686393-008		686393-009					
	Field Id:	FL 142 @ 2'		FL 143 @ 2'		FL 144 @ 2'					
	Depth:	2- ft		2- ft		2- ft					
	Matrix:	SOIL		SOIL		SOIL					
	Sampled:	01.27.2021 00:00		01.27.2021 00:00		01.27.2021 00:00					
BTEX by EPA 8021B	***Extracted:***	01.29.2021 15:08		01.29.2021 15:08		01.29.2021 15:08					
	Analyzed:	01.30.2021 06:31		01.30.2021 06:54		01.30.2021 07:16					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Benzene		<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202				
Toluene		<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202				
Ethylbenzene		<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202				
m,p-Xylenes		<0.00400	0.00400	<0.00403	0.00403	<0.00404	0.00404				
o-Xylene		<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202				
Total Xylenes		<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202				
Total BTEX		<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202				
Inorganic Anions by EPA 300	***Extracted:***	01.29.2021 12:46		01.29.2021 12:46		01.29.2021 12:46					
	Analyzed:	01.29.2021 17:44		01.29.2021 17:50		01.29.2021 17:55					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		14.6	10.0	14.6	10.1	14.1	10.1				
TPH by SW8015 Mod SUB: T104704400-20-21	***Extracted:***	02.02.2021 12:00		02.02.2021 12:00		02.02.2021 12:00					
	Analyzed:	02.02.2021 15:41		02.02.2021 16:02		02.02.2021 16:23					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9				
Diesel Range Organics (DRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9				
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9				
Total TPH		<50.0	50.0	<50.0	50.0	<49.9	49.9				

BRL - Below Reporting Limit

Jessica Kramer

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Analytical Report 686393

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

Landes Pond Release

13261

02.03.2021

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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02.03.2021

Project Manager: **PM**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **686393**
Landes Pond Release
Project Address: Rural Eddy County

PM :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 686393. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 686393 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
FL 136 @ 2'	S	01.27.2021 00:00	2 ft	686393-001
FL 137 @ 2'	S	01.27.2021 00:00	2 ft	686393-002
FL 138 @ 2'	S	01.27.2021 00:00	2 ft	686393-003
FL 139 @ 2'	S	01.27.2021 00:00	2 ft	686393-004
FL 140 @ 2'	S	01.27.2021 00:00	2 ft	686393-005
FL 141 @ 2'	S	01.27.2021 00:00	2 ft	686393-006
FL 142 @ 2'	S	01.27.2021 00:00	2 ft	686393-007
FL 143 @ 2'	S	01.27.2021 00:00	2 ft	686393-008
FL 144 @ 2'	S	01.27.2021 00:00	2 ft	686393-009

CASE NARRATIVE

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Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Landes Pond Release

Project ID: *13261*
Work Order Number(s): *686393*

Report Date: *02.03.2021*
Date Received: *01.27.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

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Certificate of Analytical Results 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 136 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 15:15
Lab Sample Id:	686393-001	Date Collected:	01.27.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.29.2021 12:46	% Moisture:	
Seq Number:	3149461			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**23.4**	10.0	mg/kg	01.29.2021 16:47		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.02.2021 12:00	% Moisture:	
Seq Number:	3149862			Basis:	Wet Weight
				SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.02.2021 12:47	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.02.2021 12:47	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.02.2021 12:47	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.02.2021 12:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-130	02.02.2021 12:47	
o-Terphenyl	84-15-1	111	%	70-130	02.02.2021 12:47	

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Certificate of Analytical Results 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 136 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 15:15
Lab Sample Id:	686393-001	Date Collected:	01.27.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.29.2021 15:08	% Moisture:	
Seq Number:	3149458			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.30.2021 03:19	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.30.2021 03:19	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.30.2021 03:19	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.30.2021 03:19	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.30.2021 03:19	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.30.2021 03:19	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.30.2021 03:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	104	%	70-130	01.30.2021 03:19	
1,4-Difluorobenzene	540-36-3	95	%	70-130	01.30.2021 03:19	

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Certificate of Analytical Results 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 137 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 15:15
Lab Sample Id:	686393-002	Date Collected:	01.27.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.29.2021 12:46	% Moisture:	
Seq Number:	3149461			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**40.0**	9.90	mg/kg	01.29.2021 16:53		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.02.2021 12:00	% Moisture:	
Seq Number:	3149862			Basis:	Wet Weight
				SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.02.2021 13:50	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.02.2021 13:50	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.02.2021 13:50	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.02.2021 13:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	79	%	70-130	02.02.2021 13:50	
o-Terphenyl	84-15-1	107	%	70-130	02.02.2021 13:50	

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Certificate of Analytical Results 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 137 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 15:15
Lab Sample Id:	686393-002	Date Collected:	01.27.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.29.2021 15:08	% Moisture:	
Seq Number:	3149458			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.30.2021 04:39	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.30.2021 04:39	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.30.2021 04:39	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.30.2021 04:39	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.30.2021 04:39	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.30.2021 04:39	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.30.2021 04:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	109	%	70-130	01.30.2021 04:39	
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.30.2021 04:39	

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Certificate of Analytical Results 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 138 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 15:15
Lab Sample Id:	686393-003	Date Collected:	01.27.2021 00:00	Sample Depth:	2 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: MAB
Analyst: MAB
Seq Number: 3149461

Date Prep: 01.29.2021 12:46

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**41.0**	10.1	mg/kg	01.29.2021 17:10		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3149862

Date Prep: 02.02.2021 12:00

% Moisture:
Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.02.2021 14:11	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.02.2021 14:11	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.02.2021 14:11	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.02.2021 14:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	80	%	70-130	02.02.2021 14:11	
o-Terphenyl	84-15-1	112	%	70-130	02.02.2021 14:11	

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Certificate of Analytical Results 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 138 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 15:15
Lab Sample Id:	686393-003	Date Collected:	01.27.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.29.2021 15:08	% Moisture:	
Seq Number:	3149458			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.30.2021 05:02	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.30.2021 05:02	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.30.2021 05:02	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.30.2021 05:02	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.30.2021 05:02	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.30.2021 05:02	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.30.2021 05:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	107	%	70-130	01.30.2021 05:02	
1,4-Difluorobenzene	540-36-3	99	%	70-130	01.30.2021 05:02	

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Certificate of Analytical Results 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 139 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 15:15
Lab Sample Id:	686393-004	Date Collected:	01.27.2021 00:00	Sample Depth:	2 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: MAB
Analyst: MAB
Seq Number: 3149461

Date Prep: 01.29.2021 12:46

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**16.9**	10.1	mg/kg	01.29.2021 17:16		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3149862

Date Prep: 02.02.2021 12:00

% Moisture:
Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.02.2021 14:32	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.02.2021 14:32	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.02.2021 14:32	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.02.2021 14:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-130	02.02.2021 14:32	
o-Terphenyl	84-15-1	115	%	70-130	02.02.2021 14:32	

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Certificate of Analytical Results 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 139 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 15:15
Lab Sample Id:	686393-004	Date Collected:	01.27.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.29.2021 15:08	% Moisture:	
Seq Number:	3149458			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.30.2021 05:24	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.30.2021 05:24	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.30.2021 05:24	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.30.2021 05:24	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.30.2021 05:24	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.30.2021 05:24	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.30.2021 05:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	110	%	70-130	01.30.2021 05:24	
1,4-Difluorobenzene	540-36-3	111	%	70-130	01.30.2021 05:24	

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Certificate of Analytical Results 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 140 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 15:15
Lab Sample Id:	686393-005	Date Collected:	01.27.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.29.2021 12:46	% Moisture:	
Seq Number:	3149461			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**15.8**	9.92	mg/kg	01.29.2021 17:33		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.02.2021 12:00	% Moisture:	
Seq Number:	3149862			Basis:	Wet Weight
				SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.02.2021 14:53	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.02.2021 14:53	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.02.2021 14:53	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.02.2021 14:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-130	02.02.2021 14:53	
o-Terphenyl	84-15-1	108	%	70-130	02.02.2021 14:53	

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Certificate of Analytical Results 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 140 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 15:15
Lab Sample Id:	686393-005	Date Collected:	01.27.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.29.2021 15:08	% Moisture:	
Seq Number:	3149458			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.30.2021 05:47	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.30.2021 05:47	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.30.2021 05:47	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.30.2021 05:47	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.30.2021 05:47	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.30.2021 05:47	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.30.2021 05:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	01.30.2021 05:47	
4-Bromofluorobenzene	460-00-4	109	%	70-130	01.30.2021 05:47	

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Certificate of Analytical Results 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 141 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 15:15
Lab Sample Id:	686393-006	Date Collected:	01.27.2021 00:00	Sample Depth:	2 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 01.29.2021 12:46 % Moisture:

Seq Number: 3149461 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**28.8**	10.0	mg/kg	01.29.2021 17:38		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.02.2021 12:00 % Moisture:

Seq Number: 3149862 Basis: Wet Weight

SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.02.2021 15:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.02.2021 15:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.02.2021 15:14	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.02.2021 15:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-130	02.02.2021 15:14	
o-Terphenyl	84-15-1	123	%	70-130	02.02.2021 15:14	

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Certificate of Analytical Results 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 141 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 15:15
Lab Sample Id:	686393-006	Date Collected:	01.27.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.29.2021 15:08	% Moisture:	
Seq Number:	3149458			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.30.2021 06:09	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.30.2021 06:09	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.30.2021 06:09	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.30.2021 06:09	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.30.2021 06:09	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.30.2021 06:09	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.30.2021 06:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	109	%	70-130	01.30.2021 06:09	
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.30.2021 06:09	

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Certificate of Analytical Results 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 142 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 15:15
Lab Sample Id:	686393-007	Date Collected:	01.27.2021 00:00	Sample Depth:	2 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: MAB
Analyst: MAB
Seq Number: 3149461

Date Prep: 01.29.2021 12:46

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**14.6**	10.0	mg/kg	01.29.2021 17:44		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3149862

Date Prep: 02.02.2021 12:00

% Moisture:
Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.02.2021 15:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.02.2021 15:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.02.2021 15:41	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.02.2021 15:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	78	%	70-130	02.02.2021 15:41	
o-Terphenyl	84-15-1	110	%	70-130	02.02.2021 15:41	

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Certificate of Analytical Results 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 142 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 15:15
Lab Sample Id:	686393-007	Date Collected:	01.27.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.29.2021 15:08	% Moisture:	
Seq Number:	3149458			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.30.2021 06:31	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.30.2021 06:31	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.30.2021 06:31	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	01.30.2021 06:31	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.30.2021 06:31	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.30.2021 06:31	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.30.2021 06:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	113	%	70-130	01.30.2021 06:31	
1,4-Difluorobenzene	540-36-3	103	%	70-130	01.30.2021 06:31	

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Certificate of Analytical Results 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 143 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 15:15
Lab Sample Id:	686393-008	Date Collected:	01.27.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.29.2021 12:46	% Moisture:	
Seq Number:	3149461			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**14.6**	10.1	mg/kg	01.29.2021 17:50		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.02.2021 12:00	% Moisture:	
Seq Number:	3149862			Basis:	Wet Weight
				SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.02.2021 16:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.02.2021 16:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.02.2021 16:02	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.02.2021 16:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-130	02.02.2021 16:02	
o-Terphenyl	84-15-1	118	%	70-130	02.02.2021 16:02	

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Certificate of Analytical Results 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 143 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 15:15
Lab Sample Id:	686393-008	Date Collected:	01.27.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.29.2021 15:08	% Moisture:	
Seq Number:	3149458			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.30.2021 06:54	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.30.2021 06:54	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.30.2021 06:54	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.30.2021 06:54	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.30.2021 06:54	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.30.2021 06:54	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.30.2021 06:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	110	%	70-130	01.30.2021 06:54	
1,4-Difluorobenzene	540-36-3	110	%	70-130	01.30.2021 06:54	

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Certificate of Analytical Results 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 144 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 15:15
Lab Sample Id:	686393-009	Date Collected:	01.27.2021 00:00	Sample Depth:	2 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: MAB
Analyst: MAB
Seq Number: 3149461

Date Prep: 01.29.2021 12:46

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**14.1**	10.1	mg/kg	01.29.2021 17:55		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3149862

Date Prep: 02.02.2021 12:00

% Moisture:
Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.02.2021 16:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.02.2021 16:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.02.2021 16:23	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.02.2021 16:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	84	%	70-130	02.02.2021 16:23	
o-Terphenyl	84-15-1	106	%	70-130	02.02.2021 16:23	

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Certificate of Analytical Results 686393

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 144 @ 2'**	Matrix:	Soil	Date Received:	01.27.2021 15:15
Lab Sample Id:	686393-009	Date Collected:	01.27.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.29.2021 15:08	% Moisture:	
Seq Number:	3149458			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.30.2021 07:16	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.30.2021 07:16	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.30.2021 07:16	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	01.30.2021 07:16	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.30.2021 07:16	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.30.2021 07:16	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.30.2021 07:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	108	%	70-130	01.30.2021 07:16	
4-Bromofluorobenzene	460-00-4	114	%	70-130	01.30.2021 07:16	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 686393

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149461 — Matrix: Solid — Date Prep: 01.29.2021
MB Sample Id: 7720389-1-BLK — LCS Sample Id: 7720389-1-BKS — LCSD Sample Id: 7720389-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	200	209	105	206	103	90-110	1	20	mg/kg	01.29.2021 15:05	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149461 — Matrix: Soil — Date Prep: 01.29.2021
Parent Sample Id: 686393-002 — MS Sample Id: 686393-002 S — MSD Sample Id: 686393-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	40.0	202	248	103	250	104	90-110	1	20	mg/kg	01.29.2021 16:59	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149461 — Matrix: Soil — Date Prep: 01.29.2021
Parent Sample Id: 686408-001 — MS Sample Id: 686408-001 S — MSD Sample Id: 686408-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	16.6	202	222	102	219	101	90-110	1	20	mg/kg	01.29.2021 15:39	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149862 — Matrix: Solid — Date Prep: 02.02.2021
MB Sample Id: 7720660-1-BLK — LCS Sample Id: 7720660-1-BKS — LCSD Sample Id: 7720660-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	843	84	870	87	70-130	3	20	mg/kg	02.02.2021 12:05	
Diesel Range Organics (DRO)	<50.0	1000	852	85	837	84	70-130	2	20	mg/kg	02.02.2021 12:05	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	82		83		76		70-130	%	02.02.2021 12:05
o-Terphenyl	111		101		92		70-130	%	02.02.2021 12:05

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149862 — Matrix: Solid — Date Prep: 02.02.2021
MB Sample Id: 7720660-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.02.2021 11:45	

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 686393

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149862 — Matrix: Soil — Date Prep: 02.02.2021
Parent Sample Id: 686393-001 — MS Sample Id: 686393-001 S — MSD Sample Id: 686393-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	842	84	878	88	70-130	4	20	mg/kg	02.02.2021 13:08	
Diesel Range Organics (DRO)	<49.9	997	823	83	835	84	70-130	1	20	mg/kg	02.02.2021 13:08	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	84		87		70-130	%	02.02.2021 13:08
o-Terphenyl	101		100		70-130	%	02.02.2021 13:08

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149458 — Matrix: Solid — Date Prep: 01.29.2021
MB Sample Id: 7720348-1-BLK — LCS Sample Id: 7720348-1-BKS — LCSD Sample Id: 7720348-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0892	89	0.0956	96	70-130	7	35	mg/kg	01.29.2021 21:53	
Toluene	<0.00200	0.100	0.0880	88	0.0909	91	70-130	3	35	mg/kg	01.29.2021 21:53	
Ethylbenzene	<0.00200	0.100	0.0893	89	0.0949	95	71-129	6	35	mg/kg	01.29.2021 21:53	
m,p-Xylenes	<0.00400	0.200	0.182	91	0.191	96	70-135	5	35	mg/kg	01.29.2021 21:53	
o-Xylene	<0.00200	0.100	0.0906	91	0.0972	97	71-133	7	35	mg/kg	01.29.2021 21:53	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104		95		96		70-130	%	01.29.2021 21:53
4-Bromofluorobenzene	103		97		98		70-130	%	01.29.2021 21:53

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149458 — Matrix: Soil — Date Prep: 01.29.2021
Parent Sample Id: 686408-001 — MS Sample Id: 686408-001 S — MSD Sample Id: 686408-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0994	99	0.0977	97	70-130	2	35	mg/kg	01.29.2021 22:38	
Toluene	<0.00200	0.100	0.101	101	0.0984	97	70-130	3	35	mg/kg	01.29.2021 22:38	
Ethylbenzene	<0.00200	0.100	0.104	104	0.0988	98	71-129	5	35	mg/kg	01.29.2021 22:38	
m,p-Xylenes	<0.00401	0.200	0.212	106	0.197	98	70-135	7	35	mg/kg	01.29.2021 22:38	
o-Xylene	<0.00200	0.100	0.106	106	0.101	100	71-133	5	35	mg/kg	01.29.2021 22:38	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		94		70-130	%	01.29.2021 22:38
4-Bromofluorobenzene	100		98		70-130	%	01.29.2021 22:38

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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XENCO LABORATORIES

Chain of Custody

Work Order No: 686393

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Craslbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701 www.xenco.com Page 1 of 1

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	ETech Environmental & Safety	Company Name:	Solaris
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	PM@etechenv.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Candles Road Release	Turn Around	
Project Number:	13761	Routine	☑
Project Location	Rural Eddy county	Rush:	
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	5.8 / 5.6	Thermometer ID	
Received Intact:	(Yes) No		NM-007
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes (No) N/A	Total Containers:	9

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Pres. Code	Chlorides	BTEX	TPH
	FL 136 @ 2'	S	1.27.21		2'	1		X	X	X
	FL 137 @ 2'	S	1.27.21		2'	1		X	X	X
	FL 138 @ 2'	S	1.27.21		2'	1		X	X	X
	FL 139 @ 2'	S	1.27.21		2'	1		X	X	X
	FL 140 @ 2'	S	1.27.21		2'	1		X	X	X
	FL 141 @ 2'	S	1.27.21		2'	1		X	X	X
	FL 142 @ 2'	S	1.27.21		2'	1		X	X	X
	FL 143 @ 2'	S	1.27.21		2'	1		X	X	X
	FL 144 @ 2'	S	1.27.21		2'	1		X	X	X

ANALYSIS REQUEST

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
	Clue Cuffle	1.27.21 1515	2		
			4		
			6		

Revised Date 022619 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Page 28 of 31
Final 1.000
Released to Imaging: 7/22/2021 3:04:17 PM

Inter-Office Shipment

IOS Number : 77258

Date/Time:	01.28.2021	Created by:	Cloe Clifton	Please send report to:	Jessica Kramer
Lab# From:	**Carlsbad**	Delivery Priority:		Address:	1089 N Canal Street
Lab# To:	**Midland**	Air Bill No.:	772762019427	E-Mail:	jessica.kramer@eurofinset.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
686393-001	S	FL 136 @ 2'	01.27.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	02.02.2021	02.10.2021	JKR	PHCC10C28 PHCC28C3	
686393-002	S	FL 137 @ 2'	01.27.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	02.02.2021	02.10.2021	JKR	PHCC10C28 PHCC28C3	
686393-003	S	FL 138 @ 2'	01.27.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	02.02.2021	02.10.2021	JKR	PHCC10C28 PHCC28C3	
686393-004	S	FL 139 @ 2'	01.27.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	02.02.2021	02.10.2021	JKR	PHCC10C28 PHCC28C3	
686393-005	S	FL 140 @ 2'	01.27.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	02.02.2021	02.10.2021	JKR	PHCC10C28 PHCC28C3	
686393-006	S	FL 141 @ 2'	01.27.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	02.02.2021	02.10.2021	JKR	PHCC10C28 PHCC28C3	
686393-007	S	FL 142 @ 2'	01.27.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	02.02.2021	02.10.2021	JKR	PHCC10C28 PHCC28C3	
686393-008	S	FL 143 @ 2'	01.27.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	02.02.2021	02.10.2021	JKR	PHCC10C28 PHCC28C3	
686393-009	S	FL 144 @ 2'	01.27.2021 00:00	SW8015MOD_NM	TPH by SW8015 Mod	02.02.2021	02.10.2021	JKR	PHCC10C28 PHCC28C3	

Inter Office Shipment or Sample Comments:

Relinquished By: Cloe Clifton

Date Relinquished: 01.28.2021

Received By: Jessica Kramer

Date Received: 01.29.2021

Cooler Temperature: 0.3

Environment Testing Xenco

Eurofins Xenco, LLC

Inter Office Report- Sample Receipt Checklist

Sent To: Midland

IOS #: 77258

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used :

Sent By: Cloe Clifton **Date Sent:** 01.28.2021 02.48 PM

Received By: Jessica Kramer **Date Received:** 01.29.2021 10.34 AM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	.3	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 *Custody Seals Signed and dated for Containers/coolers	**Yes**	
#6 *IOS present?	**Yes**	
#7 Any missing/extra samples?	**No**	
#8 IOS agrees with sample label(s)/matrix?	**Yes**	
#9 Sample matrix/ properties agree with IOS?	**Yes**	
#10 Samples in proper container/ bottle?	**Yes**	
#11 Samples properly preserved?	**Yes**	
#12 Sample container(s) intact?	**Yes**	
#13 Sufficient sample amount for indicated test(s)?	**Yes**	
#14 All samples received within hold time?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date:** _____

Checklist reviewed by: Jessica Kramer Date: 01.29.2021

Jessica Kramer

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 01.27.2021 03.15.00 PM

Work Order #: 686393

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	5.6	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	Samples received in bulk containers.
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**Yes**	TPH sent to Midland.
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 01.28.2021

Checklist reviewed by: Jessica Kramer Date: 01.28.2021

Jessica Kramer

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Certificate of Analysis Summary 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co.,NM

Date Received in Lab: Wed 02.03.2021 12:11
Report Date: 02.11.2021 13:03
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	687057-001		687057-002		687057-003		687057-004		687057-005		687057-006	
	Field Id:	FL75 @ 2.5'		FL145 @ 2'		FL146b @ 2.5'		FL147 @ 1'		FL148 @ 1'		FL149 @ 1'	
	Depth:	2.5- ft		2- ft		2.5- ft		1- ft		1- ft		1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.29.2021 00:00		01.29.2021 00:00		01.29.2021 00:00		01.29.2021 00:00		01.29.2021 00:00		01.29.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	02.04.2021 08:00		02.04.2021 08:00		02.04.2021 08:00		02.04.2021 08:00		02.04.2021 08:00		02.04.2021 08:00	
	Analyzed:	02.04.2021 13:25		02.04.2021 13:50		02.04.2021 14:15		02.04.2021 14:41		02.04.2021 15:06		02.04.2021 15:32	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
Toluene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
m,p-Xylenes		<0.00399	0.00399	<0.00398	0.00398	<0.00399	0.00399	<0.00401	0.00401	<0.00402	0.00402	<0.00401	0.00401
o-Xylene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
Total Xylenes		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
Total BTEX		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
Inorganic Anions by EPA 300	***Extracted:***	02.03.2021 17:05		02.03.2021 17:05		02.03.2021 17:05		02.03.2021 17:05		02.03.2021 17:05		02.03.2021 17:05	
	Analyzed:	02.03.2021 17:51		02.03.2021 17:56		02.03.2021 18:12		02.03.2021 18:17		02.03.2021 18:22		02.03.2021 18:27	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		65.2	49.7	24.0	4.97	15.6	4.95	6.11	5.03	19.4	5.01	23.9	4.99
TPH by SW8015 Mod	***Extracted:***	02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00	
	Analyzed:	02.05.2021 22:12		02.05.2021 23:15		02.05.2021 23:37		02.05.2021 23:58		02.06.2021 00:20		02.06.2021 00:41	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0
Diesel Range Organics (DRO)		<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0
Total TPH		<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co.,NM

Date Received in Lab: Wed 02.03.2021 12:11
Report Date: 02.11.2021 13:03
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	687057-007		687057-008		687057-009		687057-010		687057-011		687057-012	
	Field Id:	FL150 @ 1'		FL151@ 6"		FL152 @ 6"		FL153 @ 6"		FL154 @ 6"		FL155 @ 6"	
	Depth:	1- ft		6- In		6- In		6- In		6- In		6- In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.29.2021 00:00		01.29.2021 00:00		01.29.2021 00:00		01.29.2021 00:00		01.29.2021 00:00		01.29.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	02.04.2021 08:00		02.04.2021 08:00		02.04.2021 08:00		02.04.2021 08:00		02.04.2021 08:00		02.04.2021 08:00	
	Analyzed:	02.04.2021 15:57		02.04.2021 16:22		02.04.2021 16:48		02.04.2021 18:29		02.04.2021 18:55		02.04.2021 19:20	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00201	0.00201	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00201	0.00201
Toluene		<0.00201	0.00201	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00201	0.00201
Ethylbenzene		<0.00201	0.00201	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00201	0.00201
m,p-Xylenes		<0.00402	0.00402	<0.00402	0.00402	<0.00398	0.00398	<0.00398	0.00398	<0.00402	0.00402	<0.00402	0.00402
o-Xylene		<0.00201	0.00201	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00201	0.00201
Total Xylenes		<0.00201	0.00201	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00201	0.00201
Total BTEX		<0.00201	0.00201	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00201	0.00201
Inorganic Anions by EPA 300	***Extracted:***	02.03.2021 17:05		02.03.2021 17:05		02.03.2021 17:05		02.03.2021 17:05		02.03.2021 17:05		02.03.2021 17:05	
	Analyzed:	02.03.2021 18:32		02.03.2021 18:38		02.03.2021 18:53		02.03.2021 18:58		02.03.2021 19:14		02.03.2021 19:19	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		22.1	5.04	471	5.03	100	5.00	32.1	4.97	348	4.97	32.3	4.96
TPH by SW8015 Mod	***Extracted:***	02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00	
	Analyzed:	02.06.2021 01:03		02.06.2021 01:25		02.06.2021 01:46		02.06.2021 02:08		02.06.2021 02:51		02.06.2021 03:13	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<50.0	50.0
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<50.0	50.0
Total TPH		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co.,NM

Date Received in Lab: Wed 02.03.2021 12:11
Report Date: 02.11.2021 13:03
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	687057-013		687057-014		687057-015		687057-016		687057-017		687057-018	
	Field Id:	FL156b @ 1'		FL157 @ 6"		FL158b @ 1'		FL159 @ 6"		FL160 @ 6"		FL161 @ 6"	
	Depth:	1- ft		6- In		1- ft		6- In		6- In		6- In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.29.2021 00:00		01.29.2021 00:00		01.29.2021 00:00		01.29.2021 00:00		01.29.2021 00:00		01.29.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	02.04.2021 08:00		02.04.2021 08:00		02.04.2021 08:00		02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00	
	Analyzed:	02.04.2021 19:46		02.04.2021 20:12		02.04.2021 20:38		02.04.2021 00:12		02.04.2021 00:32		02.04.2021 00:53	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00199	0.00199	<0.00202	0.00202
Toluene		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00199	0.00199	<0.00202	0.00202
Ethylbenzene		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00199	0.00199	<0.00202	0.00202
m,p-Xylenes		<0.00402	0.00402	<0.00401	0.00401	<0.00402	0.00402	<0.00396	0.00396	<0.00398	0.00398	<0.00404	0.00404
o-Xylene		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00199	0.00199	<0.00202	0.00202
Total Xylenes		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00199	0.00199	<0.00202	0.00202
Total BTEX		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00199	0.00199	<0.00202	0.00202
Inorganic Anions by EPA 300	***Extracted:***	02.03.2021 17:05		02.03.2021 17:05		02.03.2021 17:05		02.03.2021 17:05		02.03.2021 17:05		02.04.2021 08:40	
	Analyzed:	02.03.2021 19:24		02.03.2021 19:29		02.03.2021 19:35		02.03.2021 19:40		02.03.2021 19:45		02.04.2021 09:35	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		15.0	5.05	87.7	5.05	15.4	4.99	37.2	4.99	120	4.99	19.8	5.03
TPH by SW8015 Mod	***Extracted:***	02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00	
	Analyzed:	02.06.2021 03:35		02.06.2021 03:56		02.06.2021 04:18		02.06.2021 04:40		02.06.2021 05:01		02.06.2021 05:22	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8
Diesel Range Organics (DRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8
Total TPH		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co.,NM

Date Received in Lab: Wed 02.03.2021 12:11
Report Date: 02.11.2021 13:03
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	687057-019		687057-020		687057-021		687057-022		687057-023		687057-024	
	Field Id:	FL162 @6"		FL163 @ 6"		FL164 @ 6"		FL165b @ 1'		FL166b @ 1'		FL167b @ 1'	
	Depth:	6- In		6- In		6- In		1- ft		1- ft		1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.29.2021 00:00		01.29.2021 00:00		01.29.2021 00:00		01.29.2021 00:00		01.29.2021 00:00		01.29.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00	
	Analyzed:	02.04.2021 01:13		02.04.2021 01:33		02.04.2021 01:54		02.04.2021 02:14		02.04.2021 02:35		02.04.2021 02:55	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
Toluene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
Ethylbenzene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
m,p-Xylenes		<0.00398	0.00398	<0.00400	0.00400	<0.00399	0.00399	<0.00396	0.00396	<0.00403	0.00403	<0.00401	0.00401
o-Xylene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
Total Xylenes		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
Total BTEX		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
Inorganic Anions by EPA 300	***Extracted:***	02.04.2021 08:40		02.04.2021 08:40		02.04.2021 08:40		02.04.2021 08:40		02.04.2021 08:40		02.04.2021 08:40	
	Analyzed:	02.04.2021 09:51		02.04.2021 09:56		02.04.2021 10:01		02.04.2021 10:06		02.04.2021 10:22		02.04.2021 10:27	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		35.2	4.99	146	4.97	98.8	4.95	19.8	5.04	145	5.00	70.0	5.00
TPH by SW8015 Mod	***Extracted:***	02.05.2021 17:00		02.05.2021 17:00		02.04.2021 12:20		02.04.2021 12:20		02.04.2021 12:20		02.04.2021 12:20	
	Analyzed:	02.06.2021 05:43		02.06.2021 06:04		02.05.2021 03:08		02.05.2021 03:29		02.05.2021 03:50		02.05.2021 04:11	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0
Total TPH		<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co.,NM

Date Received in Lab: Wed 02.03.2021 12:11
Report Date: 02.11.2021 13:03
Project Manager: Jessica Kramer

Analysis Requested											
	Lab Id:	687057-025		687057-026		687057-027					
	Field Id:	FL168 @ 6"		FL169 @ 6"		FL170b @ 1'					
	Depth:	6- In		6- In		1- ft					
	Matrix:	SOIL		SOIL		SOIL					
	Sampled:	01.29.2021 00:00		01.29.2021 00:00		01.29.2021 00:00					
BTEX by EPA 8021B	***Extracted:***	02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00					
	Analyzed:	02.04.2021 03:15		02.04.2021 04:38		02.04.2021 04:58					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Benzene		<0.00201	0.00201	<0.00199	0.00199	<0.00198	0.00198				
Toluene		<0.00201	0.00201	<0.00199	0.00199	<0.00198	0.00198				
Ethylbenzene		<0.00201	0.00201	<0.00199	0.00199	<0.00198	0.00198				
m,p-Xylenes		<0.00402	0.00402	<0.00398	0.00398	<0.00396	0.00396				
o-Xylene		<0.00201	0.00201	<0.00199	0.00199	<0.00198	0.00198				
Total Xylenes		<0.00201	0.00201	<0.00199	0.00199	<0.00198	0.00198				
Total BTEX		<0.00201	0.00201	<0.00199	0.00199	<0.00198	0.00198				
Inorganic Anions by EPA 300	***Extracted:***	02.04.2021 08:40		02.04.2021 08:40		02.04.2021 08:40					
	Analyzed:	02.04.2021 10:32		02.04.2021 10:37		02.04.2021 10:43					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		298	4.95	13.1	4.98	133	5.03				
TPH by SW8015 Mod	***Extracted:***	02.04.2021 12:20		02.04.2021 12:20		02.04.2021 12:20					
	Analyzed:	02.05.2021 04:32		02.05.2021 04:54		02.05.2021 05:15					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.0	50.0	<50.0	50.0				
Diesel Range Organics (DRO)		<50.0	50.0	<50.0	50.0	<50.0	50.0				
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0	<50.0	50.0				
Total TPH		<50.0	50.0	<50.0	50.0	<50.0	50.0				

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Analytical Report 687057

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

Landes Pond Release

13261

02.11.2021

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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02.11.2021

Project Manager: **PM**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **687057**
Landes Pond Release
Project Address: Rural Eddy Co.,NM

PM :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 687057. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 687057 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
FL75 @ 2.5'	S	01.29.2021 00:00	2.5 ft	687057-001
FL145 @ 2'	S	01.29.2021 00:00	2 ft	687057-002
FL146b @ 2.5'	S	01.29.2021 00:00	2.5 ft	687057-003
FL147 @ 1'	S	01.29.2021 00:00	1 ft	687057-004
FL148 @ 1'	S	01.29.2021 00:00	1 ft	687057-005
FL149 @ 1'	S	01.29.2021 00:00	1 ft	687057-006
FL150 @ 1'	S	01.29.2021 00:00	1 ft	687057-007
FL151@ 6"	S	01.29.2021 00:00	6 In	687057-008
FL152 @ 6"	S	01.29.2021 00:00	6 In	687057-009
FL153 @ 6"	S	01.29.2021 00:00	6 In	687057-010
FL154 @ 6"	S	01.29.2021 00:00	6 In	687057-011
FL155 @ 6"	S	01.29.2021 00:00	6 In	687057-012
FL156b @ 1'	S	01.29.2021 00:00	1 ft	687057-013
FL157 @ 6"	S	01.29.2021 00:00	6 In	687057-014
FL158b @ 1'	S	01.29.2021 00:00	1 ft	687057-015
FL159 @ 6"	S	01.29.2021 00:00	6 In	687057-016
FL160 @ 6"	S	01.29.2021 00:00	6 In	687057-017
FL161 @ 6"	S	01.29.2021 00:00	6 In	687057-018
FL162 @6"	S	01.29.2021 00:00	6 In	687057-019
FL163 @ 6"	S	01.29.2021 00:00	6 In	687057-020
FL164 @ 6"	S	01.29.2021 00:00	6 In	687057-021
FL165b @ 1'	S	01.29.2021 00:00	1 ft	687057-022
FL166b @ 1'	S	01.29.2021 00:00	1 ft	687057-023
FL167b @ 1'	S	01.29.2021 00:00	1 ft	687057-024
FL168 @ 6"	S	01.29.2021 00:00	6 In	687057-025
FL169 @ 6"	S	01.29.2021 00:00	6 In	687057-026
FL170b @ 1'	S	01.29.2021 00:00	1 ft	687057-027

CASE NARRATIVE

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Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Landes Pond Release

Project ID: *13261*
Work Order Number(s): *687057*

Report Date: *02.11.2021*
Date Received: *02.03.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3149951 BTEX by EPA 8021B

Lab Sample ID 687057-016 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 687057-016, -017, -018, -019, -020, -021, -022, -023, -024, -025, -026, -027.

The Laboratory Control Sample for Toluene, Benzene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3150089 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected; Samples affected are: 687057-003,687057-009,687057-007.

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Certificate of Analytical Results 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL75 @ 2.5'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-001	Date Collected:	01.29.2021 00:00	Sample Depth:	2.5 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: CHE
Analyst: CHE
Seq Number: 3149971

Date Prep: 02.03.2021 17:05

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**65.2**	49.7	mg/kg	02.03.2021 17:51		10

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3150318

Date Prep: 02.05.2021 17:00

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.05.2021 22:12	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.05.2021 22:12	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.05.2021 22:12	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.05.2021 22:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-130	02.05.2021 22:12	
o-Terphenyl	84-15-1	113	%	70-130	02.05.2021 22:12	

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Certificate of Analytical Results 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL75 @ 2.5'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-001	Date Collected:	01.29.2021 00:00	Sample Depth:	2.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.04.2021 08:00	% Moisture:	
Seq Number:	3150089			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.2021 13:25	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.2021 13:25	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.2021 13:25	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.04.2021 13:25	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.2021 13:25	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.2021 13:25	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.2021 13:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	120	%	70-130	02.04.2021 13:25	
1,4-Difluorobenzene	540-36-3	104	%	70-130	02.04.2021 13:25	

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Certificate of Analytical Results 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL145 @ 2'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-002	Date Collected:	01.29.2021 00:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.03.2021 17:05	% Moisture:	
Seq Number:	3149971			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**24.0**	4.97	mg/kg	02.03.2021 17:56		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.05.2021 23:15	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.05.2021 23:15	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.05.2021 23:15	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.05.2021 23:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-130	02.05.2021 23:15	
o-Terphenyl	84-15-1	108	%	70-130	02.05.2021 23:15	

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Certificate of Analytical Results 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL145 @ 2'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-002	Date Collected:	01.29.2021 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.04.2021 08:00	% Moisture:	
Seq Number:	3150089			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.2021 13:50	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.2021 13:50	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.2021 13:50	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.2021 13:50	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.2021 13:50	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.2021 13:50	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.2021 13:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	99	%	70-130	02.04.2021 13:50	
4-Bromofluorobenzene	460-00-4	101	%	70-130	02.04.2021 13:50	

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Certificate of Analytical Results 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL146b @ 2.5'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-003	Date Collected:	01.29.2021 00:00	Sample Depth:	2.5 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.03.2021 17:05	% Moisture:	
Seq Number:	3149971			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**15.6**	4.95	mg/kg	02.03.2021 18:12		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.05.2021 23:37	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.05.2021 23:37	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.05.2021 23:37	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.05.2021 23:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-130	02.05.2021 23:37	
o-Terphenyl	84-15-1	105	%	70-130	02.05.2021 23:37	

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Certificate of Analytical Results 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL146b @ 2.5'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-003	Date Collected:	01.29.2021 00:00	Sample Depth:	2.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.04.2021 08:00	% Moisture:	
Seq Number:	3150089			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.2021 14:15	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.2021 14:15	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.2021 14:15	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.04.2021 14:15	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.2021 14:15	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.2021 14:15	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.2021 14:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	136	%	70-130	02.04.2021 14:15	**
1,4-Difluorobenzene	540-36-3	110	%	70-130	02.04.2021 14:15	

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Certificate of Analytical Results 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL147 @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-004	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.03.2021 17:05	% Moisture:	
Seq Number:	3149971			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**6.11**	5.03	mg/kg	02.03.2021 18:17		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.05.2021 23:58	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.05.2021 23:58	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.05.2021 23:58	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.05.2021 23:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-130	02.05.2021 23:58	
o-Terphenyl	84-15-1	107	%	70-130	02.05.2021 23:58	

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Landes Pond Release

Sample Id:	**FL147 @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-004	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.04.2021 08:00	% Moisture:	
Seq Number:	3150089			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.2021 14:41	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.2021 14:41	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.2021 14:41	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.04.2021 14:41	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.2021 14:41	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.2021 14:41	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.2021 14:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	120	%	70-130	02.04.2021 14:41	
1,4-Difluorobenzene	540-36-3	103	%	70-130	02.04.2021 14:41	

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Landes Pond Release

Sample Id:	**FL148 @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-005	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.03.2021 17:05	% Moisture:	
Seq Number:	3149971			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**19.4**	5.01	mg/kg	02.03.2021 18:22		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 00:20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 00:20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 00:20	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 00:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-130	02.06.2021 00:20	
o-Terphenyl	84-15-1	111	%	70-130	02.06.2021 00:20	

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Landes Pond Release

Sample Id:	**FL148 @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-005	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.04.2021 08:00	% Moisture:	
Seq Number:	3150089			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.04.2021 15:06	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.04.2021 15:06	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.04.2021 15:06	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.04.2021 15:06	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.04.2021 15:06	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.04.2021 15:06	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.04.2021 15:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	107	%	70-130	02.04.2021 15:06	
1,4-Difluorobenzene	540-36-3	97	%	70-130	02.04.2021 15:06	

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Landes Pond Release

Sample Id:	**FL149 @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-006	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.03.2021 17:05	% Moisture:	
Seq Number:	3149971			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**23.9**	4.99	mg/kg	02.03.2021 18:27		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 00:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 00:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 00:41	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 00:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-130	02.06.2021 00:41	
o-Terphenyl	84-15-1	104	%	70-130	02.06.2021 00:41	

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Landes Pond Release

Sample Id:	**FL149 @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-006	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.04.2021 08:00	% Moisture:	
Seq Number:	3150089			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.2021 15:32	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.2021 15:32	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.2021 15:32	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.04.2021 15:32	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.2021 15:32	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.2021 15:32	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.2021 15:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	75	%	70-130	02.04.2021 15:32	
1,4-Difluorobenzene	540-36-3	90	%	70-130	02.04.2021 15:32	

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Landes Pond Release

Sample Id:	**FL150 @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-007	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.03.2021 17:05	% Moisture:	
Seq Number:	3149971			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**22.1**	5.04	mg/kg	02.03.2021 18:32		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 01:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 01:03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 01:03	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 01:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-130	02.06.2021 01:03	
o-Terphenyl	84-15-1	110	%	70-130	02.06.2021 01:03	

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Landes Pond Release

Sample Id:	**FL150 @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-007	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.04.2021 08:00	% Moisture:	
Seq Number:	3150089			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.04.2021 15:57	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.04.2021 15:57	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.04.2021 15:57	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.04.2021 15:57	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.04.2021 15:57	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.04.2021 15:57	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.04.2021 15:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	113	%	70-130	02.04.2021 15:57	
4-Bromofluorobenzene	460-00-4	140	%	70-130	02.04.2021 15:57	**

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Landes Pond Release

Sample Id:	**FL151@ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-008	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.03.2021 17:05	% Moisture:	
Seq Number:	3149971			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**471**	5.03	mg/kg	02.03.2021 18:38		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 01:25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 01:25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 01:25	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 01:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-130	02.06.2021 01:25	
o-Terphenyl	84-15-1	90	%	70-130	02.06.2021 01:25	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL151@ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-008	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.04.2021 08:00	% Moisture:	
Seq Number:	3150089			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.04.2021 16:22	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.04.2021 16:22	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.04.2021 16:22	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.04.2021 16:22	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.04.2021 16:22	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.04.2021 16:22	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.04.2021 16:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	99	%	70-130	02.04.2021 16:22	
4-Bromofluorobenzene	460-00-4	108	%	70-130	02.04.2021 16:22	

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Landes Pond Release

Sample Id:	**FL152 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-009	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.03.2021 17:05	% Moisture:	
Seq Number:	3149971			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**100**	5.00	mg/kg	02.03.2021 18:53		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.06.2021 01:46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.06.2021 01:46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.06.2021 01:46	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.06.2021 01:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-130	02.06.2021 01:46	
o-Terphenyl	84-15-1	98	%	70-130	02.06.2021 01:46	

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Landes Pond Release

Sample Id:	**FL152 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-009	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.04.2021 08:00	% Moisture:	
Seq Number:	3150089			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.2021 16:48	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.2021 16:48	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.2021 16:48	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.2021 16:48	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.2021 16:48	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.2021 16:48	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.2021 16:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	134	%	70-130	02.04.2021 16:48	**
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.04.2021 16:48	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL153 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-010	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.03.2021 17:05	% Moisture:	
Seq Number:	3149971			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**32.1**	4.97	mg/kg	02.03.2021 18:58		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 02:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 02:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 02:08	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 02:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-130	02.06.2021 02:08	
o-Terphenyl	84-15-1	102	%	70-130	02.06.2021 02:08	

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Landes Pond Release

Sample Id:	**FL153 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-010	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.04.2021 08:00	% Moisture:	
Seq Number:	3150089			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.2021 18:29	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.2021 18:29	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.2021 18:29	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.2021 18:29	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.2021 18:29	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.2021 18:29	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.2021 18:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	115	%	70-130	02.04.2021 18:29	
1,4-Difluorobenzene	540-36-3	97	%	70-130	02.04.2021 18:29	

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Certificate of Analytical Results 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL154 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-011	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.03.2021 17:05	% Moisture:	
Seq Number:	3149971			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**348**	4.97	mg/kg	02.03.2021 19:14		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 02:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 02:51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 02:51	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 02:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-130	02.06.2021 02:51	
o-Terphenyl	84-15-1	102	%	70-130	02.06.2021 02:51	

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Certificate of Analytical Results 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL154 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-011	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.04.2021 08:00	% Moisture:	
Seq Number:	3150089			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.04.2021 18:55	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.04.2021 18:55	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.04.2021 18:55	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.04.2021 18:55	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.04.2021 18:55	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.04.2021 18:55	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.04.2021 18:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	102	%	70-130	02.04.2021 18:55	
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.04.2021 18:55	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL155 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-012	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.03.2021 17:05	% Moisture:	
Seq Number:	3149971			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**32.3**	4.96	mg/kg	02.03.2021 19:19		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 03:13	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 03:13	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 03:13	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 03:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-130	02.06.2021 03:13	
o-Terphenyl	84-15-1	99	%	70-130	02.06.2021 03:13	

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Certificate of Analytical Results 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL155 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-012	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.04.2021 08:00	% Moisture:	
Seq Number:	3150089			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.04.2021 19:20	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.04.2021 19:20	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.04.2021 19:20	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.04.2021 19:20	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.04.2021 19:20	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.04.2021 19:20	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.04.2021 19:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	96	%	70-130	02.04.2021 19:20	
4-Bromofluorobenzene	460-00-4	114	%	70-130	02.04.2021 19:20	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL156b @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-013	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.03.2021 17:05	% Moisture:	
Seq Number:	3149971			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**15.0**	5.05	mg/kg	02.03.2021 19:24		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 03:35	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 03:35	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 03:35	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 03:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-130	02.06.2021 03:35	
o-Terphenyl	84-15-1	93	%	70-130	02.06.2021 03:35	

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Landes Pond Release

Sample Id:	**FL156b @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-013	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.04.2021 08:00	% Moisture:	
Seq Number:	3150089			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.04.2021 19:46	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.04.2021 19:46	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.04.2021 19:46	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.04.2021 19:46	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.04.2021 19:46	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.04.2021 19:46	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.04.2021 19:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	02.04.2021 19:46	
4-Bromofluorobenzene	460-00-4	116	%	70-130	02.04.2021 19:46	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL157 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-014	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.03.2021 17:05	% Moisture:	
Seq Number:	3149971			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**87.7**	5.05	mg/kg	02.03.2021 19:29		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.06.2021 03:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.06.2021 03:56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.06.2021 03:56	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.06.2021 03:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-130	02.06.2021 03:56	
o-Terphenyl	84-15-1	112	%	70-130	02.06.2021 03:56	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL157 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-014	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.04.2021 08:00	% Moisture:	
Seq Number:	3150089			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.2021 20:12	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.2021 20:12	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.2021 20:12	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.04.2021 20:12	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.2021 20:12	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.2021 20:12	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.2021 20:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	117	%	70-130	02.04.2021 20:12	
1,4-Difluorobenzene	540-36-3	107	%	70-130	02.04.2021 20:12	

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Landes Pond Release

Sample Id:	**FL158b @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-015	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.03.2021 17:05	% Moisture:	
Seq Number:	3149971			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**15.4**	4.99	mg/kg	02.03.2021 19:35		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 04:18	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 04:18	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 04:18	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 04:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-130	02.06.2021 04:18	
o-Terphenyl	84-15-1	97	%	70-130	02.06.2021 04:18	

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Landes Pond Release

Sample Id:	**FL158b @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-015	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.04.2021 08:00	% Moisture:	
Seq Number:	3150089			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.04.2021 20:38	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.04.2021 20:38	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.04.2021 20:38	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.04.2021 20:38	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.04.2021 20:38	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.04.2021 20:38	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.04.2021 20:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	126	%	70-130	02.04.2021 20:38	
1,4-Difluorobenzene	540-36-3	100	%	70-130	02.04.2021 20:38	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL159 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-016	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.03.2021 17:05	% Moisture:	
Seq Number:	3149971			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**37.2**	4.99	mg/kg	02.03.2021 19:40		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 04:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 04:40	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 04:40	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 04:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-130	02.06.2021 04:40	
o-Terphenyl	84-15-1	108	%	70-130	02.06.2021 04:40	

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Landes Pond Release

Sample Id:	**FL159 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-016	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	02.04.2021 00:12	UX	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	02.04.2021 00:12	UX	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	02.04.2021 00:12	UX	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	02.04.2021 00:12	UX	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	02.04.2021 00:12	UX	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	02.04.2021 00:12	U	1
Total BTEX		<0.00198	0.00198	mg/kg	02.04.2021 00:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.04.2021 00:12	
4-Bromofluorobenzene	460-00-4	105	%	70-130	02.04.2021 00:12	

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Landes Pond Release

Sample Id:	**FL160 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-017	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.03.2021 17:05	% Moisture:	
Seq Number:	3149971			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**120**	4.99	mg/kg	02.03.2021 19:45		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 05:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 05:01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 05:01	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 05:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-130	02.06.2021 05:01	
o-Terphenyl	84-15-1	111	%	70-130	02.06.2021 05:01	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL160 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-017	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.2021 00:32	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.2021 00:32	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.2021 00:32	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.2021 00:32	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.2021 00:32	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.2021 00:32	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.2021 00:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	103	%	70-130	02.04.2021 00:32	
1,4-Difluorobenzene	540-36-3	96	%	70-130	02.04.2021 00:32	

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Certificate of Analytical Results 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL161 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-018	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 08:40	% Moisture:	
Seq Number:	3150095			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**19.8**	5.03	mg/kg	02.04.2021 09:35		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.06.2021 05:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.06.2021 05:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.06.2021 05:22	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.06.2021 05:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-130	02.06.2021 05:22	
o-Terphenyl	84-15-1	91	%	70-130	02.06.2021 05:22	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL161 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-018	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.04.2021 00:53	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.04.2021 00:53	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.04.2021 00:53	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	02.04.2021 00:53	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.04.2021 00:53	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	02.04.2021 00:53	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.04.2021 00:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	108	%	70-130	02.04.2021 00:53	
1,4-Difluorobenzene	540-36-3	94	%	70-130	02.04.2021 00:53	

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Landes Pond Release

Sample Id:	**FL162 @6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-019	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 08:40	% Moisture:	
Seq Number:	3150095			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**35.2**	4.99	mg/kg	02.04.2021 09:51		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 05:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 05:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 05:43	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 05:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-130	02.06.2021 05:43	
o-Terphenyl	84-15-1	99	%	70-130	02.06.2021 05:43	

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Landes Pond Release

Sample Id:	**FL162 @6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-019	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.2021 01:13	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.2021 01:13	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.2021 01:13	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.2021 01:13	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.2021 01:13	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.2021 01:13	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.2021 01:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	107	%	70-130	02.04.2021 01:13	
1,4-Difluorobenzene	540-36-3	96	%	70-130	02.04.2021 01:13	

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Landes Pond Release

Sample Id:	**FL163 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-020	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 08:40	% Moisture:	
Seq Number:	3150095			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**146**	4.97	mg/kg	02.04.2021 09:56		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150318			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 06:04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 06:04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 06:04	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 06:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-130	02.06.2021 06:04	
o-Terphenyl	84-15-1	97	%	70-130	02.06.2021 06:04	

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Landes Pond Release

Sample Id:	**FL163 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-020	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.2021 01:33	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.2021 01:33	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.2021 01:33	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.04.2021 01:33	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.2021 01:33	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.2021 01:33	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.2021 01:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	96	%	70-130	02.04.2021 01:33	
4-Bromofluorobenzene	460-00-4	105	%	70-130	02.04.2021 01:33	

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Landes Pond Release

Sample Id:	**FL164 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-021	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 08:40	% Moisture:	
Seq Number:	3150095			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**98.8**	4.95	mg/kg	02.04.2021 10:01		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.04.2021 12:20	% Moisture:	
Seq Number:	3150186			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.05.2021 03:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.05.2021 03:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.05.2021 03:08	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.05.2021 03:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-130	02.05.2021 03:08	
o-Terphenyl	84-15-1	100	%	70-130	02.05.2021 03:08	

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Landes Pond Release

Sample Id:	**FL164 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-021	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.2021 01:54	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.2021 01:54	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.2021 01:54	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.04.2021 01:54	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.2021 01:54	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.2021 01:54	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.2021 01:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	106	%	70-130	02.04.2021 01:54	
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.04.2021 01:54	

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Landes Pond Release

Sample Id:	**FL165b @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-022	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 08:40	% Moisture:	
Seq Number:	3150095			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**19.8**	5.04	mg/kg	02.04.2021 10:06		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.04.2021 12:20	% Moisture:	
Seq Number:	3150186			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.05.2021 03:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.05.2021 03:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.05.2021 03:29	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.05.2021 03:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-130	02.05.2021 03:29	
o-Terphenyl	84-15-1	101	%	70-130	02.05.2021 03:29	

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Landes Pond Release

Sample Id:	**FL165b @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-022	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	02.04.2021 02:14	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	02.04.2021 02:14	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	02.04.2021 02:14	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	02.04.2021 02:14	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	02.04.2021 02:14	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	02.04.2021 02:14	U	1
Total BTEX		<0.00198	0.00198	mg/kg	02.04.2021 02:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	96	%	70-130	02.04.2021 02:14	
4-Bromofluorobenzene	460-00-4	102	%	70-130	02.04.2021 02:14	

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Landes Pond Release

Sample Id:	**FL166b @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-023	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 08:40	% Moisture:	
Seq Number:	3150095			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**145**	5.00	mg/kg	02.04.2021 10:22		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.04.2021 12:20	% Moisture:	
Seq Number:	3150186			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.05.2021 03:50	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.05.2021 03:50	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.05.2021 03:50	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.05.2021 03:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	84	%	70-130	02.05.2021 03:50	
o-Terphenyl	84-15-1	99	%	70-130	02.05.2021 03:50	

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Landes Pond Release

Sample Id:	**FL166b @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-023	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.04.2021 02:35	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.04.2021 02:35	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.04.2021 02:35	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	02.04.2021 02:35	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.04.2021 02:35	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	02.04.2021 02:35	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.04.2021 02:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	97	%	70-130	02.04.2021 02:35	
4-Bromofluorobenzene	460-00-4	108	%	70-130	02.04.2021 02:35	

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Landes Pond Release

Sample Id:	**FL167b @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-024	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 08:40	% Moisture:	
Seq Number:	3150095			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**70.0**	5.00	mg/kg	02.04.2021 10:27		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.04.2021 12:20	% Moisture:	
Seq Number:	3150186			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.05.2021 04:11	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.05.2021 04:11	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.05.2021 04:11	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.05.2021 04:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-130	02.05.2021 04:11	
o-Terphenyl	84-15-1	105	%	70-130	02.05.2021 04:11	

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Certificate of Analytical Results 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL167b @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-024	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.2021 02:55	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.2021 02:55	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.2021 02:55	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.04.2021 02:55	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.2021 02:55	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.2021 02:55	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.2021 02:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	96	%	70-130	02.04.2021 02:55	
4-Bromofluorobenzene	460-00-4	109	%	70-130	02.04.2021 02:55	

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Certificate of Analytical Results 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL168 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-025	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 08:40	% Moisture:	
Seq Number:	3150095			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**298**	4.95	mg/kg	02.04.2021 10:32		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.04.2021 12:20	% Moisture:	
Seq Number:	3150186			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.05.2021 04:32	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.05.2021 04:32	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.05.2021 04:32	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.05.2021 04:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-130	02.05.2021 04:32	
o-Terphenyl	84-15-1	97	%	70-130	02.05.2021 04:32	

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Certificate of Analytical Results 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL168 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-025	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.04.2021 03:15	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.04.2021 03:15	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.04.2021 03:15	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.04.2021 03:15	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.04.2021 03:15	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.04.2021 03:15	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.04.2021 03:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	104	%	70-130	02.04.2021 03:15	
1,4-Difluorobenzene	540-36-3	97	%	70-130	02.04.2021 03:15	

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Certificate of Analytical Results 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL169 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-026	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 08:40	% Moisture:	
Seq Number:	3150095			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**13.1**	4.98	mg/kg	02.04.2021 10:37		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.04.2021 12:20	% Moisture:	
Seq Number:	3150186			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.05.2021 04:54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.05.2021 04:54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.05.2021 04:54	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.05.2021 04:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-130	02.05.2021 04:54	
o-Terphenyl	84-15-1	95	%	70-130	02.05.2021 04:54	

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Certificate of Analytical Results 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL169 @ 6"**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-026	Date Collected:	01.29.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.2021 04:38	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.2021 04:38	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.2021 04:38	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.2021 04:38	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.2021 04:38	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.2021 04:38	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.2021 04:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	103	%	70-130	02.04.2021 04:38	
1,4-Difluorobenzene	540-36-3	94	%	70-130	02.04.2021 04:38	

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Certificate of Analytical Results 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL170b @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-027	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 08:40	% Moisture:	
Seq Number:	3150095			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**133**	5.03	mg/kg	02.04.2021 10:43		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.04.2021 12:20	% Moisture:	
Seq Number:	3150186			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.05.2021 05:15	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.05.2021 05:15	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.05.2021 05:15	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.05.2021 05:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-130	02.05.2021 05:15	
o-Terphenyl	84-15-1	98	%	70-130	02.05.2021 05:15	

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Certificate of Analytical Results 687057

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL170b @ 1'**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687057-027	Date Collected:	01.29.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	02.04.2021 04:58	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	02.04.2021 04:58	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	02.04.2021 04:58	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	02.04.2021 04:58	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	02.04.2021 04:58	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	02.04.2021 04:58	U	1
Total BTEX		<0.00198	0.00198	mg/kg	02.04.2021 04:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	106	%	70-130	02.04.2021 04:58	
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.04.2021 04:58	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 687057

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149971 — Matrix: Solid — Date Prep: 02.03.2021
MB Sample Id: 7720718-1-BLK — LCS Sample Id: 7720718-1-BKS — LCSD Sample Id: 7720718-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	257	103	257	103	90-110	0	20	mg/kg	02.03.2021 17:14	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3150095 — Matrix: Solid — Date Prep: 02.04.2021
MB Sample Id: 7720748-1-BLK — LCS Sample Id: 7720748-1-BKS — LCSD Sample Id: 7720748-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	251	100	251	100	90-110	0	20	mg/kg	02.04.2021 09:25	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149971 — Matrix: Soil — Date Prep: 02.03.2021
Parent Sample Id: 687047-023 — MS Sample Id: 687047-023 S — MSD Sample Id: 687047-023 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	38.2	253	324	113	318	111	90-110	2	20	mg/kg	02.03.2021 17:30	X

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149971 — Matrix: Soil — Date Prep: 02.03.2021
Parent Sample Id: 687057-008 — MS Sample Id: 687057-008 S — MSD Sample Id: 687057-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	471	252	732	104	729	102	90-110	0	20	mg/kg	02.03.2021 18:43	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3150095 — Matrix: Soil — Date Prep: 02.04.2021
Parent Sample Id: 687057-018 — MS Sample Id: 687057-018 S — MSD Sample Id: 687057-018 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	19.8	252	290	107	290	107	90-110	0	20	mg/kg	02.04.2021 09:40	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3150095 — Matrix: Soil — Date Prep: 02.04.2021
Parent Sample Id: 687058-001 — MS Sample Id: 687058-001 S — MSD Sample Id: 687058-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	119	253	388	106	397	110	90-110	2	20	mg/kg	02.04.2021 10:53	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 687057

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3150186 — Matrix: Solid — Date Prep: 02.04.2021
MB Sample Id: 7720905-1-BLK — LCS Sample Id: 7720905-1-BKS — LCSD Sample Id: 7720905-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1050	105	988	99	70-130	6	20	mg/kg	02.04.2021 20:48	
Diesel Range Organics (DRO)	<50.0	1000	1180	118	1120	112	70-130	5	20	mg/kg	02.04.2021 20:48	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	98		119		113		70-130	%	02.04.2021 20:48
o-Terphenyl	119		124		119		70-130	%	02.04.2021 20:48

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3150318 — Matrix: Solid — Date Prep: 02.05.2021
MB Sample Id: 7721004-1-BLK — LCS Sample Id: 7721004-1-BKS — LCSD Sample Id: 7721004-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	997	100	1010	101	70-130	1	20	mg/kg	02.05.2021 21:30	
Diesel Range Organics (DRO)	<50.0	1000	1090	109	1090	109	70-130	0	20	mg/kg	02.05.2021 21:30	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	112		111		116		70-130	%	02.05.2021 21:30
o-Terphenyl	121		119		115		70-130	%	02.05.2021 21:30

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3150186 — Matrix: Solid — Date Prep: 02.04.2021
MB Sample Id: 7720905-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.04.2021 20:26	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3150318 — Matrix: Solid — Date Prep: 02.05.2021
MB Sample Id: 7721004-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.05.2021 21:08	

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 687057

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3150186 — Matrix: Soil — Date Prep: 02.04.2021
Parent Sample Id: 687087-001 — MS Sample Id: 687087-001 S — MSD Sample Id: 687087-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	819	82	875	88	70-130	7	20	mg/kg	02.04.2021 21:52	
Diesel Range Organics (DRO)	<50.0	1000	905	91	972	97	70-130	7	20	mg/kg	02.04.2021 21:52	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	87		92		70-130	%	02.04.2021 21:52
o-Terphenyl	88		94		70-130	%	02.04.2021 21:52

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3150318 — Matrix: Soil — Date Prep: 02.05.2021
Parent Sample Id: 687057-001 — MS Sample Id: 687057-001 S — MSD Sample Id: 687057-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	1170	117	980	98	70-130	18	20	mg/kg	02.05.2021 22:33	
Diesel Range Organics (DRO)	<49.9	997	1170	117	1150	115	70-130	2	20	mg/kg	02.05.2021 22:33	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	117		111		70-130	%	02.05.2021 22:33
o-Terphenyl	116		125		70-130	%	02.05.2021 22:33

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149951 — Matrix: Solid — Date Prep: 02.03.2021
MB Sample Id: 7720756-1-BLK — LCS Sample Id: 7720756-1-BKS — LCSD Sample Id: 7720756-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0974	97	0.0889	89	70-130	9	35	mg/kg	02.03.2021 21:51	
Toluene	<0.00200	0.100	0.0930	93	0.0847	85	70-130	9	35	mg/kg	02.03.2021 21:51	
Ethylbenzene	<0.00200	0.100	0.0999	100	0.0891	89	70-130	11	35	mg/kg	02.03.2021 21:51	
m,p-Xylenes	<0.00400	0.200	0.198	99	0.176	88	70-130	12	35	mg/kg	02.03.2021 21:51	
o-Xylene	<0.00200	0.100	0.0990	99	0.0887	89	70-130	11	35	mg/kg	02.03.2021 21:51	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	88		102		100		70-130	%	02.03.2021 21:51
4-Bromofluorobenzene	103		99		96		70-130	%	02.03.2021 21:51

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 687057

eurofins | Environment Testing Xenco

Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3150089 — Matrix: Solid — Date Prep: 02.04.2021
MB Sample Id: 7720791-1-BLK — LCS Sample Id: 7720791-1-BKS — LCSD Sample Id: 7720791-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0834	83	0.109	109	70-130	27	35	mg/kg	02.04.2021 10:01	
Toluene	<0.00200	0.100	0.0856	86	0.0990	99	70-130	15	35	mg/kg	02.04.2021 10:01	
Ethylbenzene	<0.00200	0.100	0.0882	88	0.0961	96	70-130	9	35	mg/kg	02.04.2021 10:01	
m,p-Xylenes	<0.00400	0.200	0.182	91	0.209	105	70-130	14	35	mg/kg	02.04.2021 10:01	
o-Xylene	<0.00200	0.100	0.0889	89	0.101	101	70-130	13	35	mg/kg	02.04.2021 10:01	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	87		87		112		70-130	%	02.04.2021 10:01
4-Bromofluorobenzene	85		102		118		70-130	%	02.04.2021 10:01

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149951 — Matrix: Soil — Date Prep: 02.03.2021
Parent Sample Id: 687057-016 — MS Sample Id: 687057-016 S — MSD Sample Id: 687057-016 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0990	0.0671	68	0.0913	92	70-130	31	35	mg/kg	02.03.2021 22:32	X
Toluene	<0.00198	0.0990	0.0632	64	0.0842	85	70-130	28	35	mg/kg	02.03.2021 22:32	X
Ethylbenzene	<0.00198	0.0990	0.0672	68	0.0890	89	70-130	28	35	mg/kg	02.03.2021 22:32	X
m,p-Xylenes	<0.00396	0.198	0.134	68	0.178	89	70-130	28	35	mg/kg	02.03.2021 22:32	X
o-Xylene	<0.00198	0.0990	0.0675	68	0.0889	89	70-130	27	35	mg/kg	02.03.2021 22:32	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		103		70-130	%	02.03.2021 22:32
4-Bromofluorobenzene	105		102		70-130	%	02.03.2021 22:32

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3150089 — Matrix: Soil — Date Prep: 02.04.2021
Parent Sample Id: 687047-005 — MS Sample Id: 687047-005 S — MSD Sample Id: 687047-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.100	0.0515	52	0.0733	73	70-130	35	35	mg/kg	02.04.2021 10:53	X
Toluene	<0.00201	0.100	0.0556	56	0.0798	79	70-130	36	35	mg/kg	02.04.2021 10:53	XF
Ethylbenzene	<0.00201	0.100	0.0552	55	0.0841	83	70-130	41	35	mg/kg	02.04.2021 10:53	XF
m,p-Xylenes	<0.00402	0.201	0.113	56	0.172	86	70-130	41	35	mg/kg	02.04.2021 10:53	XF
o-Xylene	<0.00201	0.100	0.0552	55	0.0850	84	70-130	43	35	mg/kg	02.04.2021 10:53	XF

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	95		110		70-130	%	02.04.2021 10:53
4-Bromofluorobenzene	123		117		70-130	%	02.04.2021 10:53

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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Chain of Custody

Work Order No: 6987057

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Project Manager:	Joel Lowry	Bill to: (if different)	Solaris Water Midstream C/O Rob Kirk
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378 Email:	Email Results to: PM@etechenv.com + Client	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/US ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	X
Project Location	Rural Eddy Co., NM	Rush:	☐
Sampler's Name:	Matthew Grieco	Due Date:	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	2.3/2.9	Thermometer ID	IR8
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	0.5
Sample Custody Seals:	Yes No (N/A)	Total Containers:	

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)	Sample Comments
FL75 @ 2.5'	Soil	1/29/2021		2.5'	1/NO		X		
FL145 @ 2'	Soil	1/29/2021		2'	1/NO	X	X	X	
FL146b @ 2.5'	Soil	1/29/2021		2,5'	1/NO	X	X	X	
FL147 @ 1'	Soil	1/29/2021		1'	1/NO	X	X	X	
FL148 @ 1'	Soil	1/29/2021		1'	1/NO	X	X	X	
FL149 @ 1'	Soil	1/29/2021		1'	1/NO	X	X	X	
FL150 @ 1'	Soil	1/29/2021		1'	1/NO	X	X	X	
FL151 @ 6"	Soil	1/29/2021		6"	1/NO	X	X	X	
FL152 @ 6"	Soil	1/29/2021		6"	1/NO	X	X	X	
FL153 @ 6"	Soil	1/29/2021		6"	1/NO	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		02-02-21 3:01	2	KRAMER	02/03/21
3			4		1211
5			6		

Revised Date101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.001
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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: _____

www.xenco.com Page 2 of 3

Project Manager:	Joel Lowry	Bill to: (if different)	Solaris Water Midstream C/O Rob Kirk
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378 Email:	Email Results to: PM@etechenv.com + Client	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level ☐ Level ☐ PST/US ☐ TRR ☐ Level ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☒
Project Location	Rural Eddy Co., NM	Rush:	☐
Sampler's Name:	Matthew Grieco	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temperature (°C):		Temp Blank: Yes No	Wet Ice: Yes No	
Received Intact:	Yes No	Thermometer ID		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)	Sample Comments
FL154 @ 6"	Soil	1/29/2021		6"	1/NO	X	X	X	
FL155 @ 6"	Soil	1/29/2021		6"	1/NO	X	X	X	
FL156b @ 1'	Soil	1/29/2021		1'	1/NO	X	X	X	
FL157 @ 6"	Soil	1/29/2021		6"	1/NO	X	X	X	
FL158b @ 1'	Soil	1/29/2021		1'	1/NO	X	X	X	
FL159 @ 6"	Soil	1/29/2021		6"	1/NO	X	X	X	
FL160 @ 6"	Soil	1/29/2021		6"	1/NO	X	X	X	
FL161 @ 6"	Soil	1/29/2021		6"	1/NO	X	X	X	
FL162 @ 6"	Soil	1/29/2021		6"	1/NO	X	X	X	
FL163 @ 6"	Soil	1/29/2021		6"	1/NO	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		02-02-21 3:01 PM	2		02/03/21
3			4		1311
5			6		

Revised Date101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.001
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Chain of Custody

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Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: _____

www.xenco.com Page 3 of 3

Project Manager:	Joel Lowry	Bill to: (if different)	Solaris Water Midstream C/O Rob Kirk
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378 Email:	Email Results to: PM@etechenv.com + Client	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level ☐ Level ☐ PST/US ☐ TRP ☐ Level ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☒
Project Location	Rural Eddy Co., NM	Rush:	☐
Sampler's Name:	Matthew Grieco	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temperature (°C):		Temp Blank: Yes No	Wet Ice: Yes No	
Received Intact:	Yes No	Thermometer ID		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)	Sample Comments
FL164 @ 6"	Soil	1/29/2021		6"	1/NO	X	X	X	
FL165b @ 1'	Soil	1/29/2021		1'	1/NO	X	X	X	
FL166b @ 1'	Soil	1/29/2021		1'	1/NO	X	X	X	
FL167b @ 1'	Soil	1/29/2021		1'	1/NO	X	X	X	
FL168 @ 6"	Soil	1/29/2021		6"	1/NO	X	X	X	
FL169 @ 6"	Soil	1/29/2021		6"	1/NO	X	X	X	
FL170b @ 1'	Soil	1/29/2021		1'	1/NO	X	X	X	

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		02-02-21 3:01	2		02/03/21
3			4		1211
5			6		

Revised Date101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.001
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Part # 156140-434 RIT EXP 03/19 **

ORIGIN ID:HOBA (575) 392-7550
*MAIL SERVICES ETC
4008 N GRIMES
HOBBS, NM 88240
UNITED STATES US

SHIP DATE: 02FEB21
ACTWGT: 60.00 LB MAN
CAD: 0103352/CAFE3313
DIMS: 24x16x16 IN

BILL RECIPIENT

TO XENCO HOLD FOR PICKUP
FEDEX EXPRESS SHIP CENTER
FEDEX EXPRESS SHIP CENTER
3600 COUNTY ROAD 1276 SOUTH

MIDLAND TX 79711
(432) 704-5440

REF
PO#
DEPT#

565C1/B698/05A2

FedEx Express

J191219082001uv

1 of 2

TRK# 0201 9401 5656 3642

WED - 03 FEB HOLD
PRIORITY OVERNIGHT

MASTER

HLD
MAFA
TX-US LBB

41 MAFA

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 02.03.2021 12.11.00 PM

Work Order #: 687057

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	2.8
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6*Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**No**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#13 Samples properly preserved?	**Yes**
#14 Sample container(s) intact?	**Yes**
#15 Sufficient sample amount for indicated test(s)?	**Yes**
#16 All samples received within hold time?	**Yes**
#17 Subcontract of sample(s)?	**N/A**
#18 Water VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 02.03.2021

Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 02.08.2021

Jessica Kramer

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Certificate of Analysis Summary 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co.,NM

Date Received in Lab: Wed 02.03.2021 12:11
Report Date: 02.10.2021 11:20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	687058-001		687058-002		687058-003		687058-004		687058-005		687058-006	
	Field Id:	WW6		SW7b		SW8		SW9b		SW10b		SW11	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00	
	Analyzed:	02.04.2021 05:18		02.04.2021 05:39		02.04.2021 05:59		02.04.2021 06:20		02.04.2021 06:40		02.04.2021 07:01	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200
Toluene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200
m,p-Xylenes		<0.00399	0.00399	<0.00398	0.00398	<0.00401	0.00401	<0.00403	0.00403	<0.00404	0.00404	<0.00400	0.00400
o-Xylene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200
Total Xylenes		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200
Total BTEX		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200
Inorganic Anions by EPA 300	***Extracted:***	02.04.2021 08:40		02.04.2021 08:40		02.04.2021 08:40		02.04.2021 08:40		02.04.2021 08:40		02.04.2021 08:40	
	Analyzed:	02.04.2021 10:48		02.04.2021 11:03		02.04.2021 11:09		02.04.2021 11:24		02.04.2021 11:29		02.04.2021 11:34	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		119	5.05	13.1	4.98	268	4.99	5.54	5.02	5.21	4.95	137	5.00
TPH by SW8015 Mod	***Extracted:***	02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00	
	Analyzed:	02.05.2021 22:36		02.05.2021 23:40		02.06.2021 00:01		02.06.2021 00:23		02.06.2021 00:45		02.06.2021 01:07	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8
Diesel Range Organics (DRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8
Total TPH		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co.,NM

Date Received in Lab: Wed 02.03.2021 12:11
Report Date: 02.10.2021 11:20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	687058-007		687058-008		687058-009		687058-010		687058-011		687058-012	
	Field Id:	SW12		SW13		SW14		SW15		SW16		NW4-2'F	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00	
	Analyzed:	02.04.2021 07:21		02.04.2021 07:41		02.04.2021 00:27		02.04.2021 00:48		02.04.2021 01:08		02.04.2021 01:29	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200
Toluene		<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200
m,p-Xylenes		<0.00399	0.00399	<0.00402	0.00402	<0.00398	0.00398	<0.00398	0.00398	<0.00403	0.00403	<0.00399	0.00399
o-Xylene		<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200
Total Xylenes		<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200
Total BTEX		<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200
Inorganic Anions by EPA 300	***Extracted:***	02.04.2021 08:40		02.04.2021 08:40		02.04.2021 08:40		02.04.2021 08:40		02.04.2021 09:40		02.04.2021 09:40	
	Analyzed:	02.04.2021 11:40		02.04.2021 11:45		02.04.2021 11:50		02.04.2021 11:55		02.04.2021 12:04		02.04.2021 12:20	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		216	5.00	74.5	5.00	182	5.04	44.0	4.97	171	5.00	1460	24.8
TPH by SW8015 Mod	***Extracted:***	02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00	
	Analyzed:	02.06.2021 01:29		02.06.2021 01:51		02.06.2021 02:12		02.06.2021 02:34		02.06.2021 03:18		02.06.2021 03:40	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9
Diesel Range Organics (DRO)		<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9
Total TPH		<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9

BRL - Below Reporting Limit

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Certificate of Analysis Summary 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co.,NM

Date Received in Lab: Wed 02.03.2021 12:11
Report Date: 02.10.2021 11:20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	687058-013		687058-014		687058-015		687058-016		687058-017		687058-018	
	Field Id:	NW5-2'F		NW6		NW7		NW8b		NW9b		NW10	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00	
	Analyzed:	02.04.2021 01:49		02.04.2021 02:10		02.04.2021 02:31		02.04.2021 02:51		02.04.2021 03:12		02.04.2021 03:33	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
Toluene		<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
Ethylbenzene		<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
m,p-Xylenes		<0.00398	0.00398	<0.00398	0.00398	<0.00402	0.00402	<0.00404	0.00404	<0.00398	0.00398	<0.00400	0.00400
o-Xylene		<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
Total Xylenes		<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
Total BTEX		<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200
Inorganic Anions by EPA 300	***Extracted:***	02.04.2021 09:40		02.04.2021 09:40		02.04.2021 09:40		02.04.2021 09:40		02.04.2021 09:40		02.04.2021 09:40	
	Analyzed:	02.04.2021 12:25		02.04.2021 12:31		02.04.2021 12:36		02.04.2021 12:52		02.04.2021 12:57		02.04.2021 13:03	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		732	25.2	119	4.99	418	4.97	65.6	5.00	35.9	5.03	389	5.00
TPH by SW8015 Mod	***Extracted:***	02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00	
	Analyzed:	02.06.2021 04:02		02.06.2021 04:25		02.06.2021 04:46		02.06.2021 05:08		02.06.2021 05:29		02.06.2021 05:50	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9
Total TPH		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9

BRL - Below Reporting Limit

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Certificate of Analysis Summary 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co.,NM

Date Received in Lab: Wed 02.03.2021 12:11
Report Date: 02.10.2021 11:20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	687058-019		687058-020		687058-021		687058-022		687058-023		687058-024	
	Field Id:	NW11		NW12b		NW13b		NW14		NW15b		NW16	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00	
	Analyzed:	02.04.2021 04:55		02.04.2021 05:16		02.04.2021 05:36		02.04.2021 05:57		02.04.2021 06:17		02.04.2021 06:38	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198	<0.00201	0.00201	<0.00198	0.00198
Toluene		<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198	<0.00201	0.00201	<0.00198	0.00198
Ethylbenzene		<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198	<0.00201	0.00201	<0.00198	0.00198
m,p-Xylenes		<0.00402	0.00402	<0.00403	0.00403	<0.00399	0.00399	<0.00396	0.00396	<0.00402	0.00402	<0.00397	0.00397
o-Xylene		<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198	<0.00201	0.00201	<0.00198	0.00198
Total Xylenes		<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198	<0.00201	0.00201	<0.00198	0.00198
Total BTEX		<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198	<0.00201	0.00201	<0.00198	0.00198
Inorganic Anions by EPA 300	***Extracted:***	02.04.2021 09:40		02.04.2021 09:40		02.04.2021 09:40		02.04.2021 09:40		02.04.2021 09:40		02.04.2021 09:40	
	Analyzed:	02.04.2021 13:08		02.04.2021 13:13		02.04.2021 13:19		02.04.2021 13:35		02.04.2021 13:40		02.04.2021 13:56	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		75.9	4.95	35.3	4.98	45.8 X	4.95	183	4.97	331	5.03	329	4.96
TPH by SW8015 Mod	***Extracted:***	02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00	
	Analyzed:	02.06.2021 06:10		02.06.2021 06:31		02.05.2021 22:36		02.05.2021 23:40		02.06.2021 00:01		02.06.2021 00:23	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0
Diesel Range Organics (DRO)		<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0
Total TPH		<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0

BRL - Below Reporting Limit

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Certificate of Analysis Summary 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co.,NM

Date Received in Lab: Wed 02.03.2021 12:11
Report Date: 02.10.2021 11:20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	687058-025		687058-026		687058-027		687058-028		687058-029		687058-030	
	Field Id:	FL171		FL172		FL173		FL174		FL175		FL176	
	Depth:	6- In		6- In		6- In		6- In		6- In		6- In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00		02.03.2021 17:00		02.04.2021 11:45		02.04.2021 11:45	
	Analyzed:	02.04.2021 06:59		02.04.2021 07:19		02.04.2021 07:40		02.04.2021 08:00		02.04.2021 15:02		02.04.2021 15:23	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
Toluene		<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
Ethylbenzene		<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
m,p-Xylenes		<0.00399	0.00399	<0.00402	0.00402	<0.00403	0.00403	<0.00399	0.00399	<0.00398	0.00398	<0.00397	0.00397
o-Xylene		<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
Total Xylenes		<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
Total BTEX		<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
Inorganic Anions by EPA 300	***Extracted:***	02.04.2021 09:40		02.04.2021 09:40		02.04.2021 09:40		02.04.2021 09:40		02.04.2021 09:40		02.04.2021 09:40	
	Analyzed:	02.04.2021 14:01		02.04.2021 14:06		02.04.2021 14:12		02.04.2021 14:17		02.04.2021 14:22		02.04.2021 14:28	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		83.9	4.99	228	5.00	108	5.00	114	5.00	80.3	5.04	77.5	5.05
TPH by SW8015 Mod	***Extracted:***	02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00	
	Analyzed:	02.06.2021 00:45		02.06.2021 01:07		02.06.2021 01:29		02.06.2021 01:51		02.06.2021 02:12		02.06.2021 02:34	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8
Diesel Range Organics (DRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8
Total TPH		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co.,NM

Date Received in Lab: Wed 02.03.2021 12:11
Report Date: 02.10.2021 11:20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	687058-031		687058-032		687058-033		687058-034		687058-035		687058-036	
	Field Id:	FL177		FL178		FL179		FL180		FL181		FL182	
	Depth:	6- In		6- In		6- In		6- In		6- In		6- In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	02.04.2021 11:45		02.05.2021 11:00		02.05.2021 11:00		02.05.2021 11:00		02.05.2021 11:00		02.05.2021 11:00	
	Analyzed:	02.04.2021 15:43		02.05.2021 14:55		02.05.2021 15:16		02.05.2021 15:36		02.05.2021 15:56		02.05.2021 16:17	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00198	0.00198	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Toluene		<0.00198	0.00198	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Ethylbenzene		<0.00198	0.00198	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
m,p-Xylenes		<0.00396	0.00396	<0.00402	0.00402	<0.00401	0.00401	<0.00399	0.00399	<0.00398	0.00398	<0.00398	0.00398
o-Xylene		<0.00198	0.00198	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Total Xylenes		<0.00198	0.00198	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Total BTEX		<0.00198	0.00198	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Inorganic Anions by EPA 300	***Extracted:***	02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:00	
	Analyzed:	02.04.2021 14:08		02.04.2021 14:24		02.04.2021 14:29		02.04.2021 14:34		02.04.2021 14:39		02.04.2021 18:56	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		67.5 X	5.04	57.1	4.98	24.6	4.96	53.4	4.99	56.4	5.03	75.5	5.03
TPH by SW8015 Mod	***Extracted:***	02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00	
	Analyzed:	02.06.2021 03:18		02.06.2021 03:40		02.06.2021 04:02		02.06.2021 04:25		02.06.2021 04:46		02.06.2021 05:08	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9
Total TPH		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co.,NM

Date Received in Lab: Wed 02.03.2021 12:11
Report Date: 02.10.2021 11:20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	687058-037		687058-038		687058-039		687058-040		687058-041		687058-042	
	Field Id:	FL183		FL184		FL 185		FL186		FL187		FL188	
	Depth:	6- In		6- In		6- In		6- In		6- In		6- In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	02.05.2021 17:00		02.05.2021 16:00		02.05.2021 16:00		02.05.2021 16:00		02.05.2021 16:00		02.05.2021 16:00	
	Analyzed:	02.06.2021 13:53		02.06.2021 01:07		02.06.2021 01:28		02.06.2021 01:49		02.06.2021 02:09		02.06.2021 02:30	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201
Toluene		<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201
Ethylbenzene		<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201
m,p-Xylenes		<0.00402	0.00402	<0.00399	0.00399	<0.00398	0.00398	<0.00399	0.00399	<0.00402	0.00402	<0.00402	0.00402
o-Xylene		<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201
Total Xylenes		<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201
Total BTEX		<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201
Inorganic Anions by EPA 300	***Extracted:***	02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:00	
	Analyzed:	02.04.2021 19:01		02.04.2021 19:06		02.04.2021 19:11		02.04.2021 19:16		02.04.2021 19:22		02.04.2021 19:37	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		22.8	5.00	27.0	5.00	32.6	5.00	43.9	5.02	35.6	4.95	48.7	4.96
TPH by SW8015 Mod	***Extracted:***	02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.05.2021 17:00		02.06.2021 09:00		02.06.2021 09:00	
	Analyzed:	02.06.2021 05:29		02.06.2021 05:50		02.06.2021 06:10		02.06.2021 06:31		02.06.2021 13:10		02.06.2021 14:14	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.0	50.0
Diesel Range Organics (DRO)		<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.0	50.0
Total TPH		<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co.,NM

Date Received in Lab: Wed 02.03.2021 12:11
Report Date: 02.10.2021 11:20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	687058-043		687058-044		687058-045		687058-046		687058-047		687058-048	
	Field Id:	FL189		FL190		FL191		FL192		FL193		FL194	
	Depth:	6- In		6- In		6- In		6- In		6- In		6- In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	02.05.2021 16:00		02.05.2021 16:00		02.05.2021 16:00		02.05.2021 16:00		02.05.2021 16:00		02.05.2021 16:00	
	Analyzed:	02.06.2021 02:50		02.06.2021 03:11		02.06.2021 03:31		02.06.2021 03:52		02.06.2021 04:12		02.06.2021 05:36	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Toluene		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
m,p-Xylenes		<0.00401	0.00401	<0.00402	0.00402	<0.00401	0.00401	<0.00399	0.00399	<0.00401	0.00401	<0.00399	0.00399
o-Xylene		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Total Xylenes		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Total BTEX		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Inorganic Anions by EPA 300	***Extracted:***	02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:00	
	Analyzed:	02.04.2021 19:42		02.04.2021 19:58		02.04.2021 20:03		02.04.2021 20:08		02.05.2021 08:24		02.05.2021 08:29	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		6.93	4.99	21.1	4.97	34.7	25.0	38.1	24.8	25.3	4.95	5.70	4.95
TPH by SW8015 Mod	***Extracted:***	02.06.2021 09:00		02.06.2021 09:00		02.06.2021 09:00		02.06.2021 09:00		02.06.2021 09:00		02.06.2021 09:00	
	Analyzed:	02.06.2021 14:34		02.06.2021 14:55		02.06.2021 15:17		02.06.2021 15:38		02.06.2021 15:59		02.06.2021 16:20	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<49.8	49.8	<49.8	49.8	<50.0	50.0	<49.9	49.9	<50.0	50.0
Diesel Range Organics (DRO)		<49.9	49.9	<49.8	49.8	<49.8	49.8	<50.0	50.0	<49.9	49.9	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<49.8	49.8	<49.8	49.8	<50.0	50.0	<49.9	49.9	<50.0	50.0
Total TPH		<49.9	49.9	<49.8	49.8	<49.8	49.8	<50.0	50.0	<49.9	49.9	<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Landes Pond Release

Project Id: 13261
Contact: PM
Project Location: Rural Eddy Co.,NM

Date Received in Lab: Wed 02.03.2021 12:11
Report Date: 02.10.2021 11:20
Project Manager: Jessica Kramer

Analysis Requested											
	Lab Id:	687058-049		687058-050		687058-051					
	Field Id:	FL195		FL196		FL197					
	Depth:	6- In		6- In		6- In					
	Matrix:	SOIL		SOIL		SOIL					
	Sampled:	02.01.2021 00:00		02.01.2021 00:00		02.01.2021 00:00					
BTEX by EPA 8021B	***Extracted:***	02.05.2021 16:00		02.05.2021 16:00		02.05.2021 16:00					
	Analyzed:	02.06.2021 05:56		02.06.2021 06:16		02.06.2021 06:37					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Benzene		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200				
Toluene		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200				
Ethylbenzene		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200				
m,p-Xylenes		<0.00401	0.00401	<0.00402	0.00402	<0.00399	0.00399				
o-Xylene		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200				
Total Xylenes		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200				
Total BTEX		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200				
Inorganic Anions by EPA 300	***Extracted:***	02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:20					
	Analyzed:	02.05.2021 08:34		02.05.2021 08:39		02.04.2021 11:11					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		14.3	5.04	<4.96	4.96	8.41	5.02				
TPH by SW8015 Mod	***Extracted:***	02.06.2021 09:00		02.06.2021 09:00		02.06.2021 09:00					
	Analyzed:	02.06.2021 16:41		02.06.2021 17:02		02.06.2021 17:44					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8				
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8				
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8				
Total TPH		<50.0	50.0	<49.9	49.9	<49.8	49.8				

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Analytical Report 687058

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

Landes Pond Release

13261

02.10.2021

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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02.10.2021

Project Manager: **PM**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **687058**
Landes Pond Release
Project Address: Rural Eddy Co.,NM

PM :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 687058. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 687058 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
WW6	S	02.01.2021 00:00		687058-001
SW7b	S	02.01.2021 00:00		687058-002
SW8	S	02.01.2021 00:00		687058-003
SW9b	S	02.01.2021 00:00		687058-004
SW10b	S	02.01.2021 00:00		687058-005
SW11	S	02.01.2021 00:00		687058-006
SW12	S	02.01.2021 00:00		687058-007
SW13	S	02.01.2021 00:00		687058-008
SW14	S	02.01.2021 00:00		687058-009
SW15	S	02.01.2021 00:00		687058-010
SW16	S	02.01.2021 00:00		687058-011
NW4-2'F	S	02.01.2021 00:00		687058-012
NW5-2'F	S	02.01.2021 00:00		687058-013
NW6	S	02.01.2021 00:00		687058-014
NW7	S	02.01.2021 00:00		687058-015
NW8b	S	02.01.2021 00:00		687058-016
NW9b	S	02.01.2021 00:00		687058-017
NW10	S	02.01.2021 00:00		687058-018
NW11	S	02.01.2021 00:00		687058-019
NW12b	S	02.01.2021 00:00		687058-020
NW13b	S	02.01.2021 00:00		687058-021
NW14	S	02.01.2021 00:00		687058-022
NW15b	S	02.01.2021 00:00		687058-023
NW16	S	02.01.2021 00:00		687058-024
FL171	S	02.01.2021 00:00	6 In	687058-025
FL172	S	02.01.2021 00:00	6 In	687058-026
FL173	S	02.01.2021 00:00	6 In	687058-027
FL174	S	02.01.2021 00:00	6 In	687058-028
FL175	S	02.01.2021 00:00	6 In	687058-029
FL176	S	02.01.2021 00:00	6 In	687058-030
FL177	S	02.01.2021 00:00	6 In	687058-031
FL178	S	02.01.2021 00:00	6 In	687058-032
FL179	S	02.01.2021 00:00	6 In	687058-033
FL180	S	02.01.2021 00:00	6 In	687058-034
FL181	S	02.01.2021 00:00	6 In	687058-035
FL182	S	02.01.2021 00:00	6 In	687058-036
FL183	S	02.01.2021 00:00	6 In	687058-037
FL184	S	02.01.2021 00:00	6 In	687058-038
FL 185	S	02.01.2021 00:00	6 In	687058-039
FL186	S	02.01.2021 00:00	6 In	687058-040
FL187	S	02.01.2021 00:00	6 In	687058-041
FL188	S	02.01.2021 00:00	6 In	687058-042
FL189	S	02.01.2021 00:00	6 In	687058-043

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Sample Cross Reference 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

FL190	S	02.01.2021 00:00	6 In	687058-044
FL191	S	02.01.2021 00:00	6 In	687058-045
FL192	S	02.01.2021 00:00	6 In	687058-046
FL193	S	02.01.2021 00:00	6 In	687058-047
FL194	S	02.01.2021 00:00	6 In	687058-048
FL195	S	02.01.2021 00:00	6 In	687058-049
FL196	S	02.01.2021 00:00	6 In	687058-050
FL197	S	02.01.2021 00:00	6 In	687058-051

CASE NARRATIVE

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Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Landes Pond Release

Project ID: *13261*
Work Order Number(s): *687058*

Report Date: *02.10.2021*
Date Received: *02.03.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3150086 Inorganic Anions by EPA 300

Lab Sample ID 687058-021 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered above QC limits in the Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 687058-011, -012, -013, -014, -015, -016, -017, -018, -019, -020, -021, -022, -023, -024, -025, -026, -027, -028, -029, -030.
The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3150096 Inorganic Anions by EPA 300

Lab Sample ID 687058-041 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered above QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 687058-031, -032, -033, -034, -035, -036, -037, -038, -039, -040, -041, -042, -043, -044, -045, -046, -047, -048, -049, -050.
The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3150258 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected;
Samples affected are: 687440-001 S,687058-037.

Batch: LBA-3150275 BTEX by EPA 8021B

Lab Sample ID 687058-038 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 687058-038, -039, -040, -041, -042, -043, -044, -045, -046, -047, -048, -049, -050, -051.
The Laboratory Control Sample for Toluene, Benzene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3150321 TPH by SW8015 Mod

Surrogate 1-Chlorooctane recovered below QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 687058-007,687058-019,687058-018.

CASE NARRATIVE

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Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Landes Pond Release

Project ID: *13261*
Work Order Number(s): *687058*

Report Date: *02.10.2021*
Date Received: *02.03.2021*

Batch: LBA-3150323 TPH by SW8015 Mod
Surrogate 1-Chlorooctane recovered below QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 687058-024,687058-025,687058-029,687058-030,687058-032.
Surrogate o-Terphenyl recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 687058-031,687058-033.

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Certificate of Analytical Results 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**WW6**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-001	Date Collected:	02.01.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 08:40	% Moisture:	
Seq Number:	3150095			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**119**	5.05	mg/kg	02.04.2021 10:48		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150321			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.05.2021 22:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.05.2021 22:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.05.2021 22:36	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.05.2021 22:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-130	02.05.2021 22:36	
o-Terphenyl	84-15-1	101	%	70-130	02.05.2021 22:36	

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Certificate of Analytical Results 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**WW6**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-001	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.2021 05:18	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.2021 05:18	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.2021 05:18	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.04.2021 05:18	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.2021 05:18	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.2021 05:18	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.2021 05:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.04.2021 05:18	
4-Bromofluorobenzene	460-00-4	104	%	70-130	02.04.2021 05:18	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SW7b**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-002	Date Collected:	02.01.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 08:40	% Moisture:	
Seq Number:	3150095			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**13.1**	4.98	mg/kg	02.04.2021 11:03		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150321			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.05.2021 23:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.05.2021 23:40	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.05.2021 23:40	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.05.2021 23:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	71	%	70-130	02.05.2021 23:40	
o-Terphenyl	84-15-1	90	%	70-130	02.05.2021 23:40	

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Certificate of Analytical Results 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SW7b**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-002	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.2021 05:39	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.2021 05:39	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.2021 05:39	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.2021 05:39	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.2021 05:39	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.2021 05:39	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.2021 05:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	92	%	70-130	02.04.2021 05:39	
4-Bromofluorobenzene	460-00-4	104	%	70-130	02.04.2021 05:39	

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Certificate of Analytical Results 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SW8**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-003	Date Collected:	02.01.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 08:40	% Moisture:	
Seq Number:	3150095			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**268**	4.99	mg/kg	02.04.2021 11:09		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150321			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 00:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 00:01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 00:01	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 00:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	70	%	70-130	02.06.2021 00:01	
o-Terphenyl	84-15-1	86	%	70-130	02.06.2021 00:01	

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Landes Pond Release

Sample Id:	**SW8**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-003	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.2021 05:59	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.2021 05:59	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.2021 05:59	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.04.2021 05:59	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.2021 05:59	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.2021 05:59	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.2021 05:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	102	%	70-130	02.04.2021 05:59	
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.04.2021 05:59	

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Landes Pond Release

Sample Id: **SW9b** Matrix: Soil Date Received:02.03.2021 12:11

Lab Sample Id: 687058-004 Date Collected: 02.01.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 02.04.2021 08:40 % Moisture:

Seq Number: 3150095 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5.54**	5.02	mg/kg	02.04.2021 11:24		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.05.2021 17:00 % Moisture:

Seq Number: 3150321 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 00:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 00:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 00:23	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 00:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	71	%	70-130	02.06.2021 00:23	
o-Terphenyl	84-15-1	87	%	70-130	02.06.2021 00:23	

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Landes Pond Release

Sample Id:	**SW9b**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-004	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.04.2021 06:20	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.04.2021 06:20	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.04.2021 06:20	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	02.04.2021 06:20	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.04.2021 06:20	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	02.04.2021 06:20	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.04.2021 06:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	109	%	70-130	02.04.2021 06:20	
1,4-Difluorobenzene	540-36-3	94	%	70-130	02.04.2021 06:20	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id: **SW10b** Matrix: Soil Date Received:02.03.2021 12:11

Lab Sample Id: 687058-005 Date Collected: 02.01.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 02.04.2021 08:40 % Moisture:

Seq Number: 3150095 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5.21**	4.95	mg/kg	02.04.2021 11:29		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.05.2021 17:00 % Moisture:

Seq Number: 3150321 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 00:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 00:45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 00:45	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 00:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	72	%	70-130	02.06.2021 00:45	
o-Terphenyl	84-15-1	93	%	70-130	02.06.2021 00:45	

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Landes Pond Release

Sample Id:	**SW10b**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-005	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.04.2021 06:40	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.04.2021 06:40	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.04.2021 06:40	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	02.04.2021 06:40	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.04.2021 06:40	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	02.04.2021 06:40	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.04.2021 06:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	105	%	70-130	02.04.2021 06:40	
1,4-Difluorobenzene	540-36-3	94	%	70-130	02.04.2021 06:40	

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Landes Pond Release

Sample Id:	**SW11**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-006	Date Collected:	02.01.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 08:40	% Moisture:	
Seq Number:	3150095			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**137**	5.00	mg/kg	02.04.2021 11:34		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150321			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.06.2021 01:07	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.06.2021 01:07	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.06.2021 01:07	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.06.2021 01:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	79	%	70-130	02.06.2021 01:07	
o-Terphenyl	84-15-1	95	%	70-130	02.06.2021 01:07	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SW11**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-006	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.2021 07:01	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.2021 07:01	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.2021 07:01	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.04.2021 07:01	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.2021 07:01	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.2021 07:01	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.2021 07:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.04.2021 07:01	
4-Bromofluorobenzene	460-00-4	103	%	70-130	02.04.2021 07:01	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SW12**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-007	Date Collected:	02.01.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 08:40	% Moisture:	
Seq Number:	3150095			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**216**	5.00	mg/kg	02.04.2021 11:40		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150321			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 01:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 01:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 01:29	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 01:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	69	%	70-130	02.06.2021 01:29	**
o-Terphenyl	84-15-1	85	%	70-130	02.06.2021 01:29	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SW12**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-007	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.2021 07:21	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.2021 07:21	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.2021 07:21	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.04.2021 07:21	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.2021 07:21	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.2021 07:21	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.2021 07:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.04.2021 07:21	
4-Bromofluorobenzene	460-00-4	104	%	70-130	02.04.2021 07:21	

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Landes Pond Release

Sample Id:	**SW13**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-008	Date Collected:	02.01.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 08:40	% Moisture:	
Seq Number:	3150095			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**74.5**	5.00	mg/kg	02.04.2021 11:45		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150321			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 01:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 01:51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 01:51	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 01:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	73	%	70-130	02.06.2021 01:51	
o-Terphenyl	84-15-1	91	%	70-130	02.06.2021 01:51	

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Landes Pond Release

Sample Id:	**SW13**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-008	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149951			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.04.2021 07:41	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.04.2021 07:41	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.04.2021 07:41	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.04.2021 07:41	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.04.2021 07:41	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.04.2021 07:41	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.04.2021 07:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	94	%	70-130	02.04.2021 07:41	
4-Bromofluorobenzene	460-00-4	107	%	70-130	02.04.2021 07:41	

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Landes Pond Release

Sample Id:	**SW14**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-009	Date Collected:	02.01.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 08:40	% Moisture:	
Seq Number:	3150095			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**182**	5.04	mg/kg	02.04.2021 11:50		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150321			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 02:12	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 02:12	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 02:12	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 02:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	74	%	70-130	02.06.2021 02:12	
o-Terphenyl	84-15-1	90	%	70-130	02.06.2021 02:12	

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Landes Pond Release

Sample Id:	**SW14**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-009	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.2021 00:27	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.2021 00:27	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.2021 00:27	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.2021 00:27	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.2021 00:27	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.2021 00:27	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.2021 00:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	02.04.2021 00:27	
4-Bromofluorobenzene	460-00-4	100	%	70-130	02.04.2021 00:27	

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Landes Pond Release

Sample Id: **SW15** Matrix: Soil Date Received:02.03.2021 12:11

Lab Sample Id: 687058-010 Date Collected: 02.01.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 02.04.2021 08:40 % Moisture:

Seq Number: 3150095 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**44.0**	4.97	mg/kg	02.04.2021 11:55		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.05.2021 17:00 % Moisture:

Seq Number: 3150321 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 02:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 02:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 02:34	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 02:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	70	%	70-130	02.06.2021 02:34	
o-Terphenyl	84-15-1	85	%	70-130	02.06.2021 02:34	

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Landes Pond Release

Sample Id:	**SW15**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-010	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.2021 00:48	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.2021 00:48	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.2021 00:48	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.2021 00:48	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.2021 00:48	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.2021 00:48	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.2021 00:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	114	%	70-130	02.04.2021 00:48	
1,4-Difluorobenzene	540-36-3	108	%	70-130	02.04.2021 00:48	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SW16**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-011	Date Collected:	02.01.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 09:40	% Moisture:	
Seq Number:	3150086			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**171**	5.00	mg/kg	02.04.2021 12:04		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150321			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 03:18	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 03:18	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 03:18	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 03:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	76	%	70-130	02.06.2021 03:18	
o-Terphenyl	84-15-1	91	%	70-130	02.06.2021 03:18	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**SW16**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-011	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.04.2021 01:08	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.04.2021 01:08	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.04.2021 01:08	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	02.04.2021 01:08	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.04.2021 01:08	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	02.04.2021 01:08	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.04.2021 01:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	107	%	70-130	02.04.2021 01:08	
4-Bromofluorobenzene	460-00-4	111	%	70-130	02.04.2021 01:08	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NW4-2'F**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-012	Date Collected:	02.01.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 09:40	% Moisture:	
Seq Number:	3150086			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1460**	24.8	mg/kg	02.04.2021 12:20		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150321			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 03:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 03:40	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 03:40	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 03:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	70	%	70-130	02.06.2021 03:40	
o-Terphenyl	84-15-1	84	%	70-130	02.06.2021 03:40	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NW4-2'F**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-012	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.2021 01:29	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.2021 01:29	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.2021 01:29	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.04.2021 01:29	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.2021 01:29	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.2021 01:29	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.2021 01:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	115	%	70-130	02.04.2021 01:29	
1,4-Difluorobenzene	540-36-3	107	%	70-130	02.04.2021 01:29	

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Landes Pond Release

Sample Id:	**NW5-2'F**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-013	Date Collected:	02.01.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 09:40	% Moisture:	
Seq Number:	3150086			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**732**	25.2	mg/kg	02.04.2021 12:25		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150321			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 04:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 04:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 04:02	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 04:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	71	%	70-130	02.06.2021 04:02	
o-Terphenyl	84-15-1	87	%	70-130	02.06.2021 04:02	

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Landes Pond Release

Sample Id:	**NW5-2'F**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-013	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.2021 01:49	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.2021 01:49	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.2021 01:49	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.2021 01:49	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.2021 01:49	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.2021 01:49	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.2021 01:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	106	%	70-130	02.04.2021 01:49	
4-Bromofluorobenzene	460-00-4	114	%	70-130	02.04.2021 01:49	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NW6**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-014	Date Collected:	02.01.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 09:40	% Moisture:	
Seq Number:	3150086			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**119**	4.99	mg/kg	02.04.2021 12:31		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150321			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 04:25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 04:25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 04:25	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 04:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	76	%	70-130	02.06.2021 04:25	
o-Terphenyl	84-15-1	92	%	70-130	02.06.2021 04:25	

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Landes Pond Release

Sample Id:	**NW6**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-014	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.2021 02:10	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.2021 02:10	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.2021 02:10	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.2021 02:10	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.2021 02:10	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.2021 02:10	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.2021 02:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	120	%	70-130	02.04.2021 02:10	
1,4-Difluorobenzene	540-36-3	112	%	70-130	02.04.2021 02:10	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NW7**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-015	Date Collected:	02.01.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 09:40	% Moisture:	
Seq Number:	3150086			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**418**	4.97	mg/kg	02.04.2021 12:36		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150321			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.06.2021 04:46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.06.2021 04:46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.06.2021 04:46	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.06.2021 04:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	84	%	70-130	02.06.2021 04:46	
o-Terphenyl	84-15-1	103	%	70-130	02.06.2021 04:46	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NW7**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-015	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.04.2021 02:31	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.04.2021 02:31	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.04.2021 02:31	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.04.2021 02:31	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.04.2021 02:31	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.04.2021 02:31	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.04.2021 02:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	02.04.2021 02:31	
1,4-Difluorobenzene	540-36-3	108	%	70-130	02.04.2021 02:31	

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Landes Pond Release

Sample Id:	**NW8b**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-016	Date Collected:	02.01.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 09:40	% Moisture:	
Seq Number:	3150086			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**65.6**	5.00	mg/kg	02.04.2021 12:52		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150321			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 05:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 05:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 05:08	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 05:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	70	%	70-130	02.06.2021 05:08	
o-Terphenyl	84-15-1	91	%	70-130	02.06.2021 05:08	

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Landes Pond Release

Sample Id:	**NW8b**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-016	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.04.2021 02:51	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.04.2021 02:51	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.04.2021 02:51	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	02.04.2021 02:51	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.04.2021 02:51	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	02.04.2021 02:51	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.04.2021 02:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	02.04.2021 02:51	
4-Bromofluorobenzene	460-00-4	117	%	70-130	02.04.2021 02:51	

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Landes Pond Release

Sample Id:	**NW9b**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-017	Date Collected:	02.01.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 09:40	% Moisture:	
Seq Number:	3150086			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**35.9**	5.03	mg/kg	02.04.2021 12:57		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150321			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 05:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 05:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 05:29	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 05:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	72	%	70-130	02.06.2021 05:29	
o-Terphenyl	84-15-1	94	%	70-130	02.06.2021 05:29	

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Landes Pond Release

Sample Id:	**NW9b**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-017	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.2021 03:12	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.2021 03:12	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.2021 03:12	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.2021 03:12	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.2021 03:12	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.2021 03:12	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.2021 03:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	02.04.2021 03:12	
4-Bromofluorobenzene	460-00-4	114	%	70-130	02.04.2021 03:12	

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Landes Pond Release

Sample Id:	**NW10**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-018	Date Collected:	02.01.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 09:40	% Moisture:	
Seq Number:	3150086			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**389**	5.00	mg/kg	02.04.2021 13:03		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150321			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 05:50	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 05:50	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 05:50	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 05:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	65	%	70-130	02.06.2021 05:50	**
o-Terphenyl	84-15-1	85	%	70-130	02.06.2021 05:50	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NW10**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-018	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.2021 03:33	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.2021 03:33	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.2021 03:33	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.04.2021 03:33	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.2021 03:33	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.2021 03:33	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.2021 03:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	115	%	70-130	02.04.2021 03:33	
1,4-Difluorobenzene	540-36-3	110	%	70-130	02.04.2021 03:33	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id: **NW11** Matrix: Soil Date Received:02.03.2021 12:11

Lab Sample Id: 687058-019 Date Collected: 02.01.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 02.04.2021 09:40 % Moisture:

Seq Number: 3150086 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**75.9**	4.95	mg/kg	02.04.2021 13:08		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 02.05.2021 17:00 % Moisture:

Seq Number: 3150321 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 06:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 06:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 06:10	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 06:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	68	%	70-130	02.06.2021 06:10	**
o-Terphenyl	84-15-1	89	%	70-130	02.06.2021 06:10	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NW11**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-019	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.04.2021 04:55	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.04.2021 04:55	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.04.2021 04:55	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.04.2021 04:55	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.04.2021 04:55	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.04.2021 04:55	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.04.2021 04:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	106	%	70-130	02.04.2021 04:55	
1,4-Difluorobenzene	540-36-3	106	%	70-130	02.04.2021 04:55	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NW12b**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-020	Date Collected:	02.01.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 09:40	% Moisture:	
Seq Number:	3150086			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**35.3**	4.98	mg/kg	02.04.2021 13:13		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150321			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.06.2021 06:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.06.2021 06:31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.06.2021 06:31	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.06.2021 06:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	70	%	70-130	02.06.2021 06:31	
o-Terphenyl	84-15-1	95	%	70-130	02.06.2021 06:31	

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Landes Pond Release

Sample Id:	**NW12b**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-020	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.04.2021 05:16	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.04.2021 05:16	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.04.2021 05:16	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	02.04.2021 05:16	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.04.2021 05:16	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	02.04.2021 05:16	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.04.2021 05:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	112	%	70-130	02.04.2021 05:16	
4-Bromofluorobenzene	460-00-4	115	%	70-130	02.04.2021 05:16	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NW13b**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-021	Date Collected:	02.01.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 09:40	% Moisture:	
Seq Number:	3150086			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**45.8**	4.95	mg/kg	02.04.2021 13:19	X	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.05.2021 22:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.05.2021 22:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.05.2021 22:36	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.05.2021 22:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-130	02.05.2021 22:36	
o-Terphenyl	84-15-1	94	%	70-130	02.05.2021 22:36	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NW13b**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-021	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.2021 05:36	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.2021 05:36	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.2021 05:36	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.04.2021 05:36	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.2021 05:36	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.2021 05:36	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.2021 05:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	110	%	70-130	02.04.2021 05:36	
1,4-Difluorobenzene	540-36-3	111	%	70-130	02.04.2021 05:36	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NW14**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-022	Date Collected:	02.01.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 09:40	% Moisture:	
Seq Number:	3150086			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**183**	4.97	mg/kg	02.04.2021 13:35		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.05.2021 23:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.05.2021 23:40	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.05.2021 23:40	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.05.2021 23:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	70	%	70-130	02.05.2021 23:40	
o-Terphenyl	84-15-1	76	%	70-130	02.05.2021 23:40	

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Landes Pond Release

Sample Id:	**NW14**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-022	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	02.04.2021 05:57	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	02.04.2021 05:57	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	02.04.2021 05:57	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	02.04.2021 05:57	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	02.04.2021 05:57	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	02.04.2021 05:57	U	1
Total BTEX		<0.00198	0.00198	mg/kg	02.04.2021 05:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	106	%	70-130	02.04.2021 05:57	
4-Bromofluorobenzene	460-00-4	104	%	70-130	02.04.2021 05:57	

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Landes Pond Release

Sample Id:	**NW15b**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-023	Date Collected:	02.01.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 09:40	% Moisture:	
Seq Number:	3150086			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**331**	5.03	mg/kg	02.04.2021 13:40		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 00:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 00:01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 00:01	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 00:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	77	%	70-130	02.06.2021 00:01	
o-Terphenyl	84-15-1	86	%	70-130	02.06.2021 00:01	

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Landes Pond Release

Sample Id:	**NW15b**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-023	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.04.2021 06:17	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.04.2021 06:17	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.04.2021 06:17	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.04.2021 06:17	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.04.2021 06:17	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.04.2021 06:17	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.04.2021 06:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	02.04.2021 06:17	
1,4-Difluorobenzene	540-36-3	110	%	70-130	02.04.2021 06:17	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**NW16**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-024	Date Collected:	02.01.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 09:40	% Moisture:	
Seq Number:	3150086			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**329**	4.96	mg/kg	02.04.2021 13:56		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 00:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 00:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 00:23	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 00:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	65	%	70-130	02.06.2021 00:23	**
o-Terphenyl	84-15-1	72	%	70-130	02.06.2021 00:23	

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Landes Pond Release

Sample Id:	**NW16**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-024	Date Collected:	02.01.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	02.04.2021 06:38	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	02.04.2021 06:38	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	02.04.2021 06:38	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	02.04.2021 06:38	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	02.04.2021 06:38	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	02.04.2021 06:38	U	1
Total BTEX		<0.00198	0.00198	mg/kg	02.04.2021 06:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	108	%	70-130	02.04.2021 06:38	
4-Bromofluorobenzene	460-00-4	116	%	70-130	02.04.2021 06:38	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL171**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-025	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 09:40	% Moisture:	
Seq Number:	3150086			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**83.9**	4.99	mg/kg	02.04.2021 14:01		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 00:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 00:45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 00:45	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 00:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	68	%	70-130	02.06.2021 00:45	**
o-Terphenyl	84-15-1	75	%	70-130	02.06.2021 00:45	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL171**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-025	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.2021 06:59	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.2021 06:59	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.2021 06:59	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.04.2021 06:59	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.2021 06:59	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.2021 06:59	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.2021 06:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	109	%	70-130	02.04.2021 06:59	
1,4-Difluorobenzene	540-36-3	108	%	70-130	02.04.2021 06:59	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL172**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-026	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 09:40	% Moisture:	
Seq Number:	3150086			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**228**	5.00	mg/kg	02.04.2021 14:06		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.06.2021 01:07	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.06.2021 01:07	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.06.2021 01:07	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.06.2021 01:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	70	%	70-130	02.06.2021 01:07	
o-Terphenyl	84-15-1	77	%	70-130	02.06.2021 01:07	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL172**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-026	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.04.2021 07:19	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.04.2021 07:19	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.04.2021 07:19	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.04.2021 07:19	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.04.2021 07:19	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.04.2021 07:19	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.04.2021 07:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	113	%	70-130	02.04.2021 07:19	
4-Bromofluorobenzene	460-00-4	125	%	70-130	02.04.2021 07:19	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL173**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-027	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 09:40	% Moisture:	
Seq Number:	3150086			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**108**	5.00	mg/kg	02.04.2021 14:12		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 01:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 01:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 01:29	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 01:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-130	02.06.2021 01:29	
o-Terphenyl	84-15-1	122	%	70-130	02.06.2021 01:29	

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Landes Pond Release

Sample Id:	**FL173**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-027	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.04.2021 07:40	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.04.2021 07:40	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.04.2021 07:40	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	02.04.2021 07:40	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.04.2021 07:40	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	02.04.2021 07:40	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.04.2021 07:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	112	%	70-130	02.04.2021 07:40	
1,4-Difluorobenzene	540-36-3	112	%	70-130	02.04.2021 07:40	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL174**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-028	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 09:40	% Moisture:	
Seq Number:	3150086			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**114**	5.00	mg/kg	02.04.2021 14:17		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 01:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 01:51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 01:51	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 01:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	72	%	70-130	02.06.2021 01:51	
o-Terphenyl	84-15-1	82	%	70-130	02.06.2021 01:51	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL174**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-028	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.03.2021 17:00	% Moisture:	
Seq Number:	3149961			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.2021 08:00	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.2021 08:00	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.2021 08:00	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.04.2021 08:00	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.2021 08:00	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.2021 08:00	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.2021 08:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	106	%	70-130	02.04.2021 08:00	
1,4-Difluorobenzene	540-36-3	110	%	70-130	02.04.2021 08:00	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL175**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-029	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 09:40	% Moisture:	
Seq Number:	3150086			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**80.3**	5.04	mg/kg	02.04.2021 14:22		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 02:12	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 02:12	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 02:12	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 02:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	64	%	70-130	02.06.2021 02:12	**
o-Terphenyl	84-15-1	71	%	70-130	02.06.2021 02:12	

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Landes Pond Release

Sample Id:	**FL175**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-029	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.04.2021 11:45	% Moisture:	
Seq Number:	3150088			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.2021 15:02	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.2021 15:02	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.2021 15:02	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.2021 15:02	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.2021 15:02	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.2021 15:02	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.2021 15:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	100	%	70-130	02.04.2021 15:02	
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.04.2021 15:02	

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Landes Pond Release

Sample Id:	**FL176**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-030	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 09:40	% Moisture:	
Seq Number:	3150086			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**77.5**	5.05	mg/kg	02.04.2021 14:28		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.06.2021 02:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.06.2021 02:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.06.2021 02:34	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.06.2021 02:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	69	%	70-130	02.06.2021 02:34	**
o-Terphenyl	84-15-1	73	%	70-130	02.06.2021 02:34	

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Landes Pond Release

Sample Id:	**FL176**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-030	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.04.2021 11:45	% Moisture:	
Seq Number:	3150088			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	02.04.2021 15:23	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	02.04.2021 15:23	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	02.04.2021 15:23	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	02.04.2021 15:23	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	02.04.2021 15:23	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	02.04.2021 15:23	U	1
Total BTEX		<0.00198	0.00198	mg/kg	02.04.2021 15:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	101	%	70-130	02.04.2021 15:23	
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.04.2021 15:23	

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Landes Pond Release

Sample Id:	**FL177**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-031	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**67.5**	5.04	mg/kg	02.04.2021 14:08	X	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 03:18	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 03:18	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 03:18	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 03:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	124	%	70-130	02.06.2021 03:18	
o-Terphenyl	84-15-1	138	%	70-130	02.06.2021 03:18	**

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Landes Pond Release

Sample Id:	**FL177**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-031	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.04.2021 11:45	% Moisture:	
Seq Number:	3150088			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	02.04.2021 15:43	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	02.04.2021 15:43	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	02.04.2021 15:43	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	02.04.2021 15:43	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	02.04.2021 15:43	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	02.04.2021 15:43	U	1
Total BTEX		<0.00198	0.00198	mg/kg	02.04.2021 15:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	103	%	70-130	02.04.2021 15:43	
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.04.2021 15:43	

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Landes Pond Release

Sample Id:	**FL178**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-032	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**57.1**	4.98	mg/kg	02.04.2021 14:24		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 03:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 03:40	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 03:40	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 03:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	66	%	70-130	02.06.2021 03:40	**
o-Terphenyl	84-15-1	70	%	70-130	02.06.2021 03:40	

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Landes Pond Release

Sample Id:	**FL178**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-032	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 11:00	% Moisture:	
Seq Number:	3150227			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.05.2021 14:55	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.05.2021 14:55	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.05.2021 14:55	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.05.2021 14:55	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.05.2021 14:55	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.05.2021 14:55	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.05.2021 14:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	102	%	70-130	02.05.2021 14:55	
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.05.2021 14:55	

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Landes Pond Release

Sample Id:	**FL179**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-033	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**24.6**	4.96	mg/kg	02.04.2021 14:29		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.06.2021 04:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.06.2021 04:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.06.2021 04:02	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.06.2021 04:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	123	%	70-130	02.06.2021 04:02	
o-Terphenyl	84-15-1	134	%	70-130	02.06.2021 04:02	**

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Landes Pond Release

Sample Id:	**FL179**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-033	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 11:00	% Moisture:	
Seq Number:	3150227			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.05.2021 15:16	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.05.2021 15:16	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.05.2021 15:16	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.05.2021 15:16	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.05.2021 15:16	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.05.2021 15:16	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.05.2021 15:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	111	%	70-130	02.05.2021 15:16	
1,4-Difluorobenzene	540-36-3	94	%	70-130	02.05.2021 15:16	

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Landes Pond Release

Sample Id:	**FL180**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-034	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**53.4**	4.99	mg/kg	02.04.2021 14:34		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 04:25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 04:25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 04:25	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 04:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	78	%	70-130	02.06.2021 04:25	
o-Terphenyl	84-15-1	83	%	70-130	02.06.2021 04:25	

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Landes Pond Release

Sample Id:	**FL180**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-034	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 11:00	% Moisture:	
Seq Number:	3150227			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.05.2021 15:36	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.05.2021 15:36	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.05.2021 15:36	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.05.2021 15:36	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.05.2021 15:36	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.05.2021 15:36	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.05.2021 15:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	101	%	70-130	02.05.2021 15:36	
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.05.2021 15:36	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL181**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-035	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**56.4**	5.03	mg/kg	02.04.2021 14:39		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 04:46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 04:46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 04:46	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 04:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-130	02.06.2021 04:46	
o-Terphenyl	84-15-1	98	%	70-130	02.06.2021 04:46	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL181**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-035	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 11:00	% Moisture:	
Seq Number:	3150227			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.05.2021 15:56	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.05.2021 15:56	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.05.2021 15:56	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.05.2021 15:56	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.05.2021 15:56	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.05.2021 15:56	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.05.2021 15:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	96	%	70-130	02.05.2021 15:56	
4-Bromofluorobenzene	460-00-4	103	%	70-130	02.05.2021 15:56	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL182**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-036	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**75.5**	5.03	mg/kg	02.04.2021 18:56		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 05:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 05:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 05:08	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 05:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-130	02.06.2021 05:08	
o-Terphenyl	84-15-1	88	%	70-130	02.06.2021 05:08	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL182**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-036	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 11:00	% Moisture:	
Seq Number:	3150227			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.05.2021 16:17	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.05.2021 16:17	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.05.2021 16:17	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.05.2021 16:17	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.05.2021 16:17	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.05.2021 16:17	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.05.2021 16:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	96	%	70-130	02.05.2021 16:17	
4-Bromofluorobenzene	460-00-4	104	%	70-130	02.05.2021 16:17	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL183**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-037	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**22.8**	5.00	mg/kg	02.04.2021 19:01		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.06.2021 05:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.06.2021 05:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.06.2021 05:29	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.06.2021 05:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-130	02.06.2021 05:29	
o-Terphenyl	84-15-1	91	%	70-130	02.06.2021 05:29	

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Landes Pond Release

Sample Id:	**FL183**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-037	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150258			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.06.2021 13:53	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.06.2021 13:53	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.06.2021 13:53	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.06.2021 13:53	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.06.2021 13:53	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.06.2021 13:53	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.06.2021 13:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	154	%	70-130	02.06.2021 13:53	**
1,4-Difluorobenzene	540-36-3	115	%	70-130	02.06.2021 13:53	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL184**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-038	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**27.0**	5.00	mg/kg	02.04.2021 19:06		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 05:50	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 05:50	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 05:50	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 05:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-130	02.06.2021 05:50	
o-Terphenyl	84-15-1	99	%	70-130	02.06.2021 05:50	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL184**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-038	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 16:00	% Moisture:	
Seq Number:	3150275			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.06.2021 01:07	UX	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.06.2021 01:07	UX	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.06.2021 01:07	UX	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.06.2021 01:07	UX	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.06.2021 01:07	UX	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.06.2021 01:07	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.06.2021 01:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	02.06.2021 01:07	
4-Bromofluorobenzene	460-00-4	102	%	70-130	02.06.2021 01:07	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 185**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-039	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**32.6**	5.00	mg/kg	02.04.2021 19:11		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 06:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 06:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 06:10	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 06:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-130	02.06.2021 06:10	
o-Terphenyl	84-15-1	102	%	70-130	02.06.2021 06:10	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL 185**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-039	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 16:00	% Moisture:	
Seq Number:	3150275			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.06.2021 01:28	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.06.2021 01:28	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.06.2021 01:28	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.06.2021 01:28	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.06.2021 01:28	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.06.2021 01:28	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.06.2021 01:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	02.06.2021 01:28	
4-Bromofluorobenzene	460-00-4	97	%	70-130	02.06.2021 01:28	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL186**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-040	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**43.9**	5.02	mg/kg	02.04.2021 19:16		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.05.2021 17:00	% Moisture:	
Seq Number:	3150323			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.06.2021 06:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.06.2021 06:31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.06.2021 06:31	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.06.2021 06:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-130	02.06.2021 06:31	
o-Terphenyl	84-15-1	105	%	70-130	02.06.2021 06:31	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL186**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-040	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 16:00	% Moisture:	
Seq Number:	3150275			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.06.2021 01:49	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.06.2021 01:49	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.06.2021 01:49	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.06.2021 01:49	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.06.2021 01:49	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.06.2021 01:49	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.06.2021 01:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	113	%	70-130	02.06.2021 01:49	
1,4-Difluorobenzene	540-36-3	91	%	70-130	02.06.2021 01:49	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL187**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-041	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**35.6**	4.95	mg/kg	02.04.2021 19:22		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.06.2021 09:00	% Moisture:	
Seq Number:	3150326			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 13:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 13:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 13:10	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 13:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	78	%	70-130	02.06.2021 13:10	
o-Terphenyl	84-15-1	90	%	70-130	02.06.2021 13:10	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL187**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-041	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 16:00	% Moisture:	
Seq Number:	3150275			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.06.2021 02:09	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.06.2021 02:09	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.06.2021 02:09	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.06.2021 02:09	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.06.2021 02:09	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.06.2021 02:09	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.06.2021 02:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	99	%	70-130	02.06.2021 02:09	
4-Bromofluorobenzene	460-00-4	103	%	70-130	02.06.2021 02:09	

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Certificate of Analytical Results 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL188**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-042	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**48.7**	4.96	mg/kg	02.04.2021 19:37		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.06.2021 09:00	% Moisture:	
Seq Number:	3150326			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 14:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 14:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 14:14	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 14:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	80	%	70-130	02.06.2021 14:14	
o-Terphenyl	84-15-1	94	%	70-130	02.06.2021 14:14	

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Certificate of Analytical Results 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL188**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-042	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 16:00	% Moisture:	
Seq Number:	3150275			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.06.2021 02:30	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.06.2021 02:30	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.06.2021 02:30	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.06.2021 02:30	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.06.2021 02:30	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.06.2021 02:30	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.06.2021 02:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	02.06.2021 02:30	
4-Bromofluorobenzene	460-00-4	100	%	70-130	02.06.2021 02:30	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL189**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-043	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**6.93**	4.99	mg/kg	02.04.2021 19:42		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.06.2021 09:00	% Moisture:	
Seq Number:	3150326			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 14:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 14:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 14:34	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 14:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	80	%	70-130	02.06.2021 14:34	
o-Terphenyl	84-15-1	92	%	70-130	02.06.2021 14:34	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL189**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-043	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 16:00	% Moisture:	
Seq Number:	3150275			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.06.2021 02:50	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.06.2021 02:50	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.06.2021 02:50	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.06.2021 02:50	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.06.2021 02:50	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.06.2021 02:50	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.06.2021 02:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	104	%	70-130	02.06.2021 02:50	
1,4-Difluorobenzene	540-36-3	98	%	70-130	02.06.2021 02:50	

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Landes Pond Release

Sample Id:	**FL190**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-044	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**21.1**	4.97	mg/kg	02.04.2021 19:58		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.06.2021 09:00	% Moisture:	
Seq Number:	3150326			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.06.2021 14:55	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.06.2021 14:55	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.06.2021 14:55	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.06.2021 14:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-130	02.06.2021 14:55	
o-Terphenyl	84-15-1	101	%	70-130	02.06.2021 14:55	

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Landes Pond Release

Sample Id:	**FL190**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-044	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 16:00	% Moisture:	
Seq Number:	3150275			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.06.2021 03:11	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.06.2021 03:11	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.06.2021 03:11	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.06.2021 03:11	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.06.2021 03:11	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.06.2021 03:11	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.06.2021 03:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	98	%	70-130	02.06.2021 03:11	
1,4-Difluorobenzene	540-36-3	99	%	70-130	02.06.2021 03:11	

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Landes Pond Release

Sample Id:	**FL191**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-045	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**34.7**	25.0	mg/kg	02.04.2021 20:03		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.06.2021 09:00	% Moisture:	
Seq Number:	3150326			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.06.2021 15:17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.06.2021 15:17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.06.2021 15:17	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.06.2021 15:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-130	02.06.2021 15:17	
o-Terphenyl	84-15-1	96	%	70-130	02.06.2021 15:17	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL191**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-045	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 16:00	% Moisture:	
Seq Number:	3150275			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.06.2021 03:31	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.06.2021 03:31	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.06.2021 03:31	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.06.2021 03:31	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.06.2021 03:31	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.06.2021 03:31	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.06.2021 03:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	85	%	70-130	02.06.2021 03:31	
4-Bromofluorobenzene	460-00-4	104	%	70-130	02.06.2021 03:31	

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Landes Pond Release

Sample Id:	**FL192**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-046	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**38.1**	24.8	mg/kg	02.04.2021 20:08		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.06.2021 09:00	% Moisture:	
Seq Number:	3150326			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 15:38	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 15:38	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 15:38	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 15:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-130	02.06.2021 15:38	
o-Terphenyl	84-15-1	102	%	70-130	02.06.2021 15:38	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL192**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-046	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 16:00	% Moisture:	
Seq Number:	3150275			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.06.2021 03:52	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.06.2021 03:52	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.06.2021 03:52	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.06.2021 03:52	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.06.2021 03:52	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.06.2021 03:52	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.06.2021 03:52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	97	%	70-130	02.06.2021 03:52	
4-Bromofluorobenzene	460-00-4	103	%	70-130	02.06.2021 03:52	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL193**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-047	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**25.3**	4.95	mg/kg	02.05.2021 08:24		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.06.2021 09:00	% Moisture:	
Seq Number:	3150326			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 15:59	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 15:59	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 15:59	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 15:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-130	02.06.2021 15:59	
o-Terphenyl	84-15-1	96	%	70-130	02.06.2021 15:59	

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Landes Pond Release

Sample Id:	**FL193**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-047	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 16:00	% Moisture:	
Seq Number:	3150275			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.06.2021 04:12	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.06.2021 04:12	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.06.2021 04:12	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.06.2021 04:12	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.06.2021 04:12	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.06.2021 04:12	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.06.2021 04:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	100	%	70-130	02.06.2021 04:12	
1,4-Difluorobenzene	540-36-3	98	%	70-130	02.06.2021 04:12	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL194**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-048	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5.70**	4.95	mg/kg	02.05.2021 08:29		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.06.2021 09:00	% Moisture:	
Seq Number:	3150326			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 16:20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 16:20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 16:20	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 16:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-130	02.06.2021 16:20	
o-Terphenyl	84-15-1	96	%	70-130	02.06.2021 16:20	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL194**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-048	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 16:00	% Moisture:	
Seq Number:	3150275			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.06.2021 05:36	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.06.2021 05:36	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.06.2021 05:36	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.06.2021 05:36	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.06.2021 05:36	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.06.2021 05:36	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.06.2021 05:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	110	%	70-130	02.06.2021 05:36	
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.06.2021 05:36	

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Certificate of Analytical Results 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL195**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-049	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**14.3**	5.04	mg/kg	02.05.2021 08:34		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.06.2021 09:00	% Moisture:	
Seq Number:	3150326			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.06.2021 16:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.06.2021 16:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.06.2021 16:41	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.06.2021 16:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-130	02.06.2021 16:41	
o-Terphenyl	84-15-1	97	%	70-130	02.06.2021 16:41	

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Certificate of Analytical Results 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL195**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-049	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 16:00	% Moisture:	
Seq Number:	3150275			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.06.2021 05:56	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.06.2021 05:56	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.06.2021 05:56	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.06.2021 05:56	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.06.2021 05:56	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.06.2021 05:56	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.06.2021 05:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	109	%	70-130	02.06.2021 05:56	
1,4-Difluorobenzene	540-36-3	96	%	70-130	02.06.2021 05:56	

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Certificate of Analytical Results 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL196**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-050	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:00	% Moisture:	
Seq Number:	3150096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.96	4.96	mg/kg	02.05.2021 08:39	U	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.06.2021 09:00	% Moisture:	
Seq Number:	3150326			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.06.2021 17:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.06.2021 17:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.06.2021 17:02	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.06.2021 17:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	80	%	70-130	02.06.2021 17:02	
o-Terphenyl	84-15-1	94	%	70-130	02.06.2021 17:02	

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Certificate of Analytical Results 687058

Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL196**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-050	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 16:00	% Moisture:	
Seq Number:	3150275			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.06.2021 06:16	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.06.2021 06:16	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.06.2021 06:16	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.06.2021 06:16	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.06.2021 06:16	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.06.2021 06:16	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.06.2021 06:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	110	%	70-130	02.06.2021 06:16	
1,4-Difluorobenzene	540-36-3	93	%	70-130	02.06.2021 06:16	

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Landes Pond Release

Sample Id:	**FL197**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-051	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	02.04.2021 10:20	% Moisture:	
Seq Number:	3149983			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**8.41**	5.02	mg/kg	02.04.2021 11:11		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	02.06.2021 09:00	% Moisture:	
Seq Number:	3150326			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.06.2021 17:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.06.2021 17:44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.06.2021 17:44	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.06.2021 17:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	81	%	70-130	02.06.2021 17:44	
o-Terphenyl	84-15-1	94	%	70-130	02.06.2021 17:44	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Landes Pond Release

Sample Id:	**FL197**	Matrix:	Soil	Date Received:	02.03.2021 12:11
Lab Sample Id:	687058-051	Date Collected:	02.01.2021 00:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	02.05.2021 16:00	% Moisture:	
Seq Number:	3150275			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.06.2021 06:37	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.06.2021 06:37	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.06.2021 06:37	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.06.2021 06:37	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.06.2021 06:37	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.06.2021 06:37	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.06.2021 06:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	70-130	02.06.2021 06:37	
1,4-Difluorobenzene	540-36-3	92	%	70-130	02.06.2021 06:37	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 687058

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3150095 — Matrix: Solid — Date Prep: 02.04.2021
MB Sample Id: 7720748-1-BLK — LCS Sample Id: 7720748-1-BKS — LCSD Sample Id: 7720748-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	251	100	251	100	90-110	0	20	mg/kg	02.04.2021 09:25	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3150086 — Matrix: Solid — Date Prep: 02.04.2021
MB Sample Id: 7720749-1-BLK — LCS Sample Id: 7720749-1-BKS — LCSD Sample Id: 7720749-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	242	97	241	96	90-110	0	20	mg/kg	02.04.2021 11:54	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3150096 — Matrix: Solid — Date Prep: 02.04.2021
MB Sample Id: 7720751-1-BLK — LCS Sample Id: 7720751-1-BKS — LCSD Sample Id: 7720751-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	274	110	274	110	90-110	0	20	mg/kg	02.04.2021 13:58	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149983 — Matrix: Solid — Date Prep: 02.04.2021
MB Sample Id: 7720769-1-BLK — LCS Sample Id: 7720769-1-BKS — LCSD Sample Id: 7720769-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	251	100	249	100	90-110	1	20	mg/kg	02.04.2021 10:27	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3150095 — Matrix: Soil — Date Prep: 02.04.2021
Parent Sample Id: 687057-018 — MS Sample Id: 687057-018 S — MSD Sample Id: 687057-018 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	19.8	252	290	107	290	107	90-110	0	20	mg/kg	02.04.2021 09:40	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3150095 — Matrix: Soil — Date Prep: 02.04.2021
Parent Sample Id: 687058-001 — MS Sample Id: 687058-001 S — MSD Sample Id: 687058-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	119	253	388	106	397	110	90-110	2	20	mg/kg	02.04.2021 10:53	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 687058

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Landes Pond Release

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3150086 — Matrix: Soil — Date Prep: 02.04.2021
Parent Sample Id: 687058-011 — MS Sample Id: 687058-011 S — MSD Sample Id: 687058-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	171	250	427	102	426	102	90-110	0	20	mg/kg	02.04.2021 12:09	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3150086 — Matrix: Soil — Date Prep: 02.04.2021
Parent Sample Id: 687058-021 — MS Sample Id: 687058-021 S — MSD Sample Id: 687058-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	45.8	248	302	103	326	113	90-110	8	20	mg/kg	02.04.2021 13:24	X

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3150096 — Matrix: Soil — Date Prep: 02.04.2021
Parent Sample Id: 687058-031 — MS Sample Id: 687058-031 S — MSD Sample Id: 687058-031 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	67.5	252	371	120	349	112	90-110	6	20	mg/kg	02.04.2021 14:13	X

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3150096 — Matrix: Soil — Date Prep: 02.04.2021
Parent Sample Id: 687058-041 — MS Sample Id: 687058-041 S — MSD Sample Id: 687058-041 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	35.6	248	303	108	302	107	90-110	0	20	mg/kg	02.04.2021 19:27	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149983 — Matrix: Soil — Date Prep: 02.04.2021
Parent Sample Id: 687279-001 — MS Sample Id: 687279-001 S — MSD Sample Id: 687279-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	1320	250	1410	36	1420	40	90-110	1	20	mg/kg	02.04.2021 10:44	X

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

Final 1.000

QC Summary 687058

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3150321 — Matrix: Solid — Date Prep: 02.05.2021
MB Sample Id: 7721007-1-BLK — LCS Sample Id: 7721007-1-BKS — LCSD Sample Id: 7721007-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	901	90	843	84	70-130	7	20	mg/kg	02.05.2021 21:53	
Diesel Range Organics (DRO)	<50.0	1000	819	82	814	81	70-130	1	20	mg/kg	02.05.2021 21:53	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	88		75		83		70-130	%	02.05.2021 21:53
o-Terphenyl	109		88		94		70-130	%	02.05.2021 21:53

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3150323 — Matrix: Solid — Date Prep: 02.05.2021
MB Sample Id: 7721009-1-BLK — LCS Sample Id: 7721009-1-BKS — LCSD Sample Id: 7721009-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	962	96	1010	101	70-130	5	20	mg/kg	02.05.2021 21:53	
Diesel Range Organics (DRO)	<50.0	1000	862	86	920	92	70-130	7	20	mg/kg	02.05.2021 21:53	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	89		86		92		70-130	%	02.05.2021 21:53
o-Terphenyl	103		90		95		70-130	%	02.05.2021 21:53

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3150326 — Matrix: Solid — Date Prep: 02.06.2021
MB Sample Id: 7721014-1-BLK — LCS Sample Id: 7721014-1-BKS — LCSD Sample Id: 7721014-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1090	109	1020	102	70-130	7	20	mg/kg	02.06.2021 12:28	
Diesel Range Organics (DRO)	<50.0	1000	1020	102	950	95	70-130	7	20	mg/kg	02.06.2021 12:28	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	91		98		92		70-130	%	02.06.2021 12:28
o-Terphenyl	106		100		92		70-130	%	02.06.2021 12:28

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3150321 — Matrix: Solid — Date Prep: 02.05.2021
MB Sample Id: 7721007-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.05.2021 21:32	

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Final 1.000

QC Summary 687058

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Etech Environmental & Safety Solution, Inc

Landes Pond Release

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3150323 — Matrix: Solid — Date Prep: 02.05.2021
MB Sample Id: 7721009-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.05.2021 21:32	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3150326 — Matrix: Solid — Date Prep: 02.06.2021
MB Sample Id: 7721014-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.06.2021 12:07	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3150321 — Matrix: Soil — Date Prep: 02.05.2021
Parent Sample Id: 687058-001 — MS Sample Id: 687058-001 S — MSD Sample Id: 687058-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	999	838	84	904	91	70-130	8	20	mg/kg	02.05.2021 22:57	
Diesel Range Organics (DRO)	<50.0	999	805	81	805	81	70-130	0	20	mg/kg	02.05.2021 22:57	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	73		80		70-130	%	02.05.2021 22:57
o-Terphenyl	79		86		70-130	%	02.05.2021 22:57

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3150323 — Matrix: Soil — Date Prep: 02.05.2021
Parent Sample Id: 687058-021 — MS Sample Id: 687058-021 S — MSD Sample Id: 687058-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	1110	111	955	96	70-130	15	20	mg/kg	02.05.2021 22:57	
Diesel Range Organics (DRO)	<49.9	997	943	95	836	84	70-130	12	20	mg/kg	02.05.2021 22:57	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	94		82		70-130	%	02.05.2021 22:57
o-Terphenyl	95		84		70-130	%	02.05.2021 22:57

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3150326 Matrix: Soil Date Prep: 02.06.2021
Parent Sample Id: 687058-041 MS Sample Id: 687058-041 S MSD Sample Id: 687058-041 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	973	98	980	98	70-130	1	20	mg/kg	02.06.2021 13:31	
Diesel Range Organics (DRO)	<49.9	997	921	92	922	93	70-130	0	20	mg/kg	02.06.2021 13:31	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	83		84		70-130	%	02.06.2021 13:31
o-Terphenyl	84		85		70-130	%	02.06.2021 13:31

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3149951 Matrix: Solid Date Prep: 02.03.2021
MB Sample Id: 7720756-1-BLK LCS Sample Id: 7720756-1-BKS LCSD Sample Id: 7720756-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0974	97	0.0889	89	70-130	9	35	mg/kg	02.03.2021 21:51	
Toluene	<0.00200	0.100	0.0930	93	0.0847	85	70-130	9	35	mg/kg	02.03.2021 21:51	
Ethylbenzene	<0.00200	0.100	0.0999	100	0.0891	89	70-130	11	35	mg/kg	02.03.2021 21:51	
m,p-Xylenes	<0.00400	0.200	0.198	99	0.176	88	70-130	12	35	mg/kg	02.03.2021 21:51	
o-Xylene	<0.00200	0.100	0.0990	99	0.0887	89	70-130	11	35	mg/kg	02.03.2021 21:51	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	88		102		100		70-130	%	02.03.2021 21:51
4-Bromofluorobenzene	103		99		96		70-130	%	02.03.2021 21:51

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3149961 Matrix: Solid Date Prep: 02.03.2021
MB Sample Id: 7720762-1-BLK LCS Sample Id: 7720762-1-BKS LCSD Sample Id: 7720762-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0859	86	0.0855	86	70-130	0	35	mg/kg	02.03.2021 22:05	
Toluene	<0.00200	0.100	0.0930	93	0.0919	92	70-130	1	35	mg/kg	02.03.2021 22:05	
Ethylbenzene	<0.00200	0.100	0.0907	91	0.0899	90	70-130	1	35	mg/kg	02.03.2021 22:05	
m,p-Xylenes	<0.00400	0.200	0.182	91	0.181	91	70-130	1	35	mg/kg	02.03.2021 22:05	
o-Xylene	<0.00200	0.100	0.0911	91	0.0895	90	70-130	2	35	mg/kg	02.03.2021 22:05	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	85		107		106		70-130	%	02.03.2021 22:05
4-Bromofluorobenzene	124		112		109		70-130	%	02.03.2021 22:05

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3150088 — Matrix: Solid — Date Prep: 02.04.2021
MB Sample Id: 7720846-1-BLK — LCS Sample Id: 7720846-1-BKS — LCSD Sample Id: 7720846-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0938	94	0.0944	94	70-130	1	35	mg/kg	02.04.2021 12:42	
Toluene	<0.00200	0.100	0.0890	89	0.0896	90	70-130	1	35	mg/kg	02.04.2021 12:42	
Ethylbenzene	<0.00200	0.100	0.0963	96	0.0974	97	70-130	1	35	mg/kg	02.04.2021 12:42	
m,p-Xylenes	<0.00400	0.200	0.192	96	0.195	98	70-130	2	35	mg/kg	02.04.2021 12:42	
o-Xylene	<0.00200	0.100	0.0956	96	0.0975	98	70-130	2	35	mg/kg	02.04.2021 12:42	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	90		104		103		70-130	%	02.04.2021 12:42
4-Bromofluorobenzene	103		99		103		70-130	%	02.04.2021 12:42

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3150227 — Matrix: Solid — Date Prep: 02.05.2021
MB Sample Id: 7720936-1-BLK — LCS Sample Id: 7720936-1-BKS — LCSD Sample Id: 7720936-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.112	112	0.107	107	70-130	5	35	mg/kg	02.05.2021 11:53	
Toluene	<0.00200	0.100	0.105	105	0.101	101	70-130	4	35	mg/kg	02.05.2021 11:53	
Ethylbenzene	<0.00200	0.100	0.108	108	0.105	105	70-130	3	35	mg/kg	02.05.2021 11:53	
m,p-Xylenes	<0.00400	0.200	0.216	108	0.209	105	70-130	3	35	mg/kg	02.05.2021 11:53	
o-Xylene	<0.00200	0.100	0.105	105	0.102	102	70-130	3	35	mg/kg	02.05.2021 11:53	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	89		103		101		70-130	%	02.05.2021 11:53
4-Bromofluorobenzene	100		99		100		70-130	%	02.05.2021 11:53

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3150275 — Matrix: Solid — Date Prep: 02.05.2021
MB Sample Id: 7720951-1-BLK — LCS Sample Id: 7720951-1-BKS — LCSD Sample Id: 7720951-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.112	112	0.104	104	70-130	7	35	mg/kg	02.05.2021 22:46	
Toluene	<0.00200	0.100	0.103	103	0.0962	96	70-130	7	35	mg/kg	02.05.2021 22:46	
Ethylbenzene	<0.00200	0.100	0.106	106	0.0972	97	70-130	9	35	mg/kg	02.05.2021 22:46	
m,p-Xylenes	<0.00400	0.200	0.205	103	0.190	95	70-130	8	35	mg/kg	02.05.2021 22:46	
o-Xylene	<0.00200	0.100	0.103	103	0.0912	91	70-130	12	35	mg/kg	02.05.2021 22:46	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	92		103		102		70-130	%	02.05.2021 22:46
4-Bromofluorobenzene	100		96		96		70-130	%	02.05.2021 22:46

MS/MSD Percent Recovery [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3150258 — Matrix: Solid — Date Prep: 02.05.2021
MB Sample Id: 7720950-1-BLK — LCS Sample Id: 7720950-1-BKS — LCSD Sample Id: 7720950-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.121	121	0.118	118	70-130	3	35	mg/kg	02.06.2021 05:46	
Toluene	<0.00200	0.100	0.115	115	0.114	114	70-130	1	35	mg/kg	02.06.2021 05:46	
Ethylbenzene	<0.00200	0.100	0.113	113	0.112	112	70-130	1	35	mg/kg	02.06.2021 05:46	
m,p-Xylenes	<0.00400	0.200	0.233	117	0.234	117	70-130	0	35	mg/kg	02.06.2021 05:46	
o-Xylene	<0.00200	0.100	0.115	115	0.116	116	70-130	1	35	mg/kg	02.06.2021 05:46	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	90		112		119		70-130	%	02.06.2021 05:46
4-Bromofluorobenzene	90		113		130		70-130	%	02.06.2021 05:46

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149951 — Matrix: Soil — Date Prep: 02.03.2021
Parent Sample Id: 687057-016 — MS Sample Id: 687057-016 S — MSD Sample Id: 687057-016 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0990	0.0671	68	0.0913	92	70-130	31	35	mg/kg	02.03.2021 22:32	X
Toluene	<0.00198	0.0990	0.0632	64	0.0842	85	70-130	28	35	mg/kg	02.03.2021 22:32	X
Ethylbenzene	<0.00198	0.0990	0.0672	68	0.0890	89	70-130	28	35	mg/kg	02.03.2021 22:32	X
m,p-Xylenes	<0.00396	0.198	0.134	68	0.178	89	70-130	28	35	mg/kg	02.03.2021 22:32	X
o-Xylene	<0.00198	0.0990	0.0675	68	0.0889	89	70-130	27	35	mg/kg	02.03.2021 22:32	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		103		70-130	%	02.03.2021 22:32
4-Bromofluorobenzene	105		102		70-130	%	02.03.2021 22:32

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149961 — Matrix: Soil — Date Prep: 02.03.2021
Parent Sample Id: 687058-009 — MS Sample Id: 687058-009 S — MSD Sample Id: 687058-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00202	0.101	0.0855	85	0.0736	74	70-130	15	35	mg/kg	02.03.2021 22:46	
Toluene	<0.00202	0.101	0.0826	82	0.0708	71	70-130	15	35	mg/kg	02.03.2021 22:46	
Ethylbenzene	<0.00202	0.101	0.0847	84	0.0709	71	70-130	18	35	mg/kg	02.03.2021 22:46	
m,p-Xylenes	<0.00403	0.202	0.164	81	0.140	70	70-130	16	35	mg/kg	02.03.2021 22:46	
o-Xylene	<0.00202	0.101	0.0822	81	0.0708	71	70-130	15	35	mg/kg	02.03.2021 22:46	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	110		110		70-130	%	02.03.2021 22:46
4-Bromofluorobenzene	118		120		70-130	%	02.03.2021 22:46

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3150088 — Matrix: Soil — Date Prep: 02.04.2021
Parent Sample Id: 687058-029 — MS Sample Id: 687058-029 S — MSD Sample Id: 687058-029 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0990	0.0785	79	0.0771	77	70-130	2	35	mg/kg	02.04.2021 13:22	
Toluene	<0.00198	0.0990	0.0733	74	0.0719	72	70-130	2	35	mg/kg	02.04.2021 13:22	
Ethylbenzene	<0.00198	0.0990	0.0783	79	0.0745	75	70-130	5	35	mg/kg	02.04.2021 13:22	
m,p-Xylenes	<0.00396	0.198	0.156	79	0.148	74	70-130	5	35	mg/kg	02.04.2021 13:22	
o-Xylene	<0.00198	0.0990	0.0783	79	0.0742	74	70-130	5	35	mg/kg	02.04.2021 13:22	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		102		70-130	%	02.04.2021 13:22
4-Bromofluorobenzene	107		102		70-130	%	02.04.2021 13:22

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3150227 — Matrix: Soil — Date Prep: 02.05.2021
Parent Sample Id: 687291-005 — MS Sample Id: 687291-005 S — MSD Sample Id: 687291-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0102	10	0.00714	7	70-130	35	35	mg/kg	02.05.2021 12:34	X
Toluene	0.00411	0.100	0.00547	1	0.00467	1	70-130	16	35	mg/kg	02.05.2021 12:34	X
Ethylbenzene	<0.00200	0.100	0.00442	4	0.00370	4	70-130	18	35	mg/kg	02.05.2021 12:34	X
m,p-Xylenes	<0.00400	0.200	0.00878	4	0.00782	4	70-130	12	35	mg/kg	02.05.2021 12:34	X
o-Xylene	<0.00200	0.100	0.00533	5	0.00501	5	70-130	6	35	mg/kg	02.05.2021 12:34	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	94		95		70-130	%	02.05.2021 12:34
4-Bromofluorobenzene	102		108		70-130	%	02.05.2021 12:34

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3150275 — Matrix: Soil — Date Prep: 02.05.2021
Parent Sample Id: 687058-038 — MS Sample Id: 687058-038 S — MSD Sample Id: 687058-038 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0263	26	0.0239	24	70-130	10	35	mg/kg	02.05.2021 23:27	X
Toluene	<0.00200	0.0998	0.0236	24	0.0258	26	70-130	9	35	mg/kg	02.05.2021 23:27	X
Ethylbenzene	<0.00200	0.0998	0.0247	25	0.0253	25	70-130	2	35	mg/kg	02.05.2021 23:27	X
m,p-Xylenes	<0.00399	0.200	0.0474	24	0.0495	25	70-130	4	35	mg/kg	02.05.2021 23:27	X
o-Xylene	<0.00200	0.0998	0.0254	25	0.0269	27	70-130	6	35	mg/kg	02.05.2021 23:27	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		92		70-130	%	02.05.2021 23:27
4-Bromofluorobenzene	100		115		70-130	%	02.05.2021 23:27

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A

Seq Number: 3150258 Matrix: Soil Date Prep: 02.05.2021

Parent Sample Id: 687440-001 MS Sample Id: 687440-001 S MSD Sample Id: 687440-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0539	54	0.0470	47	70-130	14	35	mg/kg	02.06.2021 06:36	X
Toluene	<0.00200	0.0998	0.0599	60	0.0517	52	70-130	15	35	mg/kg	02.06.2021 06:36	X
Ethylbenzene	<0.00200	0.0998	0.0607	61	0.0549	55	70-130	10	35	mg/kg	02.06.2021 06:36	X
m,p-Xylenes	<0.00399	0.200	0.127	64	0.0973	49	70-130	26	35	mg/kg	02.06.2021 06:36	X
o-Xylene	<0.00200	0.0998	0.0614	62	0.0796	80	70-130	26	35	mg/kg	02.06.2021 06:36	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		73		70-130	%	02.06.2021 06:36
4-Bromofluorobenzene	132	**	120		70-130	%	02.06.2021 06:36

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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Chain of Custody

Work Order No: 6870S8

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Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Project Manager:	Joel Lowry	Bill to: (if different)	Solaris Water Midstream C/O Rob Kirk
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378 Email:	Email Results to: PM@etechenv.com + Client	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level ☐ Level ☐ PST/US ☐ TRP ☐ Level ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☒
Project Location	Rural Eddy Co., NM	Rush:	☐
Sampler's Name:	Matthew Grieco	Due Date:	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	3.3/2.8	Thermometer ID	IR8
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	0.5
Sample Custody Seals:	Yes No (N/A)	Total Containers:	

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)	Sample Comments
WW6	Soil	2/1/2021			1/NO	X	X	X	
SW7b	Soil	2/1/2021			1/NO	X	X	X	
SW8	Soil	2/1/2021			1/NO	X	X	X	
SW9b	Soil	2/1/2021			1/NO	X	X	X	
SW10b	Soil	2/1/2021			1/NO	X	X	X	
SW11	Soil	2/1/2021			1/NO	X	X	X	
SW12	Soil	2/1/2021			1/NO	X	X	X	
SW13	Soil	2/1/2021			1/NO	X	X	X	
SW14	Soil	2/1/2021			1/NO	X	X	X	
SW15	Soil	2/1/2021			1/NO	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		02-02-21 3:01	2		02/03/21 1311
3			4		
5			6		

Revised Date101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
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Chain of Custody

Work Order No: 6987058

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Project Manager:	Joel Lowry	Bill to: (if different)	Solaris Water Midstream C/O Rob Kirk
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378 Email:	Email Results to: PM@etechenv.com + Client	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine: ☒	
Project Location	Rural Eddy Co., NM	Rush: ☐	
Sampler's Name:	Matthew Grieco	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temperature (°C):		Temp Blank: Yes No	Wet Ice: Yes No	Thermometer ID
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

ANALYSIS REQUEST

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)	Sample Comments
SW16	Soil	2/1/2021			1/NO	X	X	X	
NW4 - 2' F	Soil	2/1/2021			1/NO	X	X	X	
NW5 - 2' F	Soil	2/1/2021			1/NO	X	X	X	
NW6	Soil	2/1/2021			1/NO	X	X	X	
NW7	Soil	2/1/2021			1/NO	X	X	X	
NW8b	Soil	2/1/2021			1/NO	X	X	X	
NW9b	Soil	2/1/2021			1/NO	X	X	X	
NW10	Soil	2/1/2021			1/NO	X	X	X	
NW11	Soil	2/1/2021			1/NO	X	X	X	
NW12b	Soil	2/1/2021			1/NO	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		02.03.21 3:01	2		02/03/21 1211
3			4		
5			6		

Revised Date101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
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Chain of Custody

Work Order No: 6907058

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Project Manager:	Joel Lowry	Bill to: (if different)	Solaris Water Midstream C/O Rob Kirk
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378 Email:	Email Results to: PM@etechenv.com + Client	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine: ☒	
Project Location	Rural Eddy Co., NM	Rush: ☐	
Sampler's Name:	Matthew Grieco	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temperature (°C):		Temp Blank: Yes No	Wet Ice: Yes No	Thermometer ID
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

ANALYSIS REQUEST

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)	Sample Comments
NW13b	Soil	2/1/2021			1/NO	X	X	X	
NW14	Soil	2/1/2021			1/NO	X	X	X	
NW15b	Soil	2/1/2021			1/NO	X	X	X	
NW16	Soil	2/1/2021			1/NO	X	X	X	
FL171	Soil	2/1/2021		6"	1/NO	X	X	X	
FL172	Soil	2/1/2021		6"	1/NO	X	X	X	
FL173	Soil	2/1/2021		6"	1/NO	X	X	X	
FL174	Soil	2/1/2021		6"	1/NO	X	X	X	
FL175	Soil	2/1/2021		6"	1/NO	X	X	X	
FL176	Soil	2/1/2021		6"	1/NO	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		02-02-21 3:01	2		02/03/21 1211
3			4		
5			6		

Revised Date101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
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Chain of Custody

Work Order No: 6887058

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Project Manager:	Joel Lowry	Bill to: (if different)	Solaris Water Midstream C/O Rob Kirk
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to: PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☒
Project Location	Rural Eddy Co., NM	Rush:	☐
Sampler's Name:	Matthew Grieco	Due Date:	
PO #:			

SAMPLE RECEIPT					
Temperature (°C):		Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID			
Cooler Custody Seals:	Yes No N/A	Correction Factor:			
Sample Custody Seals:	Yes No N/A	Total Containers:			

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)	Sample Comments
FL177	Soil	2/1/2021		6"	1/NO	X	X	X	
FL178	Soil	2/1/2021		6"	1/NO	X	X	X	
FL179	Soil	2/1/2021		6"	1/NO	X	X	X	
FL180	Soil	2/1/2021		6"	1/NO	X	X	X	
FL181	Soil	2/1/2021		6"	1/NO	X	X	X	
FL182	Soil	2/1/2021		6"	1/NO	X	X	X	
FL183	Soil	2/1/2021		6"	1/NO	X	X	X	
FL184	Soil	2/1/2021		6"	1/NO	X	X	X	
FL185	Soil	2/1/2021		6"	1/NO	X	X	X	
FL186	Soil	2/1/2021		6"	1/NO	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		02-02-21 3:01	2		02/03/21
3			4		1211
5			6		

Revised Date101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
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Chain of Custody

Work Order No: 6870558

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Project Manager:	Joel Lowry	Bill to: (if different)	Solaris Water Midstream C/O Rob Kirk
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378 Email:	Email Results to: PM@etechenv.com + Client	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/US ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	X
Project Location	Rural Eddy Co., NM	Rush:	☐
Sampler's Name:	Matthew Grieco	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temperature (°C):		Temp Blank: Yes No	Wet Ice: Yes No	Thermometer ID
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)	Sample Comments
FL187	Soil	2/1/2021		6"	1/NO	X	X	X	
FL188	Soil	2/1/2021		6"	1/NO	X	X	X	
FL189	Soil	2/1/2021		6"	1/NO	X	X	X	
FL190	Soil	2/1/2021		6"	1/NO	X	X	X	
FL191	Soil	2/1/2021		6"	1/NO	X	X	X	
FL192	Soil	2/1/2021		6"	1/NO	X	X	X	
FL193	Soil	2/1/2021		6"	1/NO	X	X	X	
FL194	Soil	2/1/2021		6"	1/NO	X	X	X	
FL195	Soil	2/1/2021		6"	1/NO	X	X	X	
FL196	Soil	2/1/2021		6"	1/NO	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		02-02-21 3:01	2		02/03/21
3			4		1244
5			6		

Revised Date101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
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Chain of Custody

Work Order No: 6987058

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Project Manager:	Joel Lowry	Bill to: (if different)	Solaris Water Midstream C/O Rob Kirk
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to: PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level I ☐ Level ☐ PST/US ☐ TRR ☐ Level V ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Landes Pond Release	Turn Around	
Project Number:	13261	Routine:	☒
Project Location	Rural Eddy Co., NM	Rush:	☐
Sampler's Name:	Matthew Grieco	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):		Thermometer ID		
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)	Sample Comments
FL197	Soil	2/1/2021		6"	1/NO	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		02-02-21 3:01	2		02/03/21
3			4		1311
5			6		

Revised Date 101419 Rev. 2019.1

Received by OCD: 4/8/2021 7:58:59 AM
Released to Imaging: 7/22/2021 3:04:17 PM
Final 1.000
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Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 02.03.2021 12.11.00 PM

Work Order #: 687058

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	2.8
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6*Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**No**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#13 Samples properly preserved?	**Yes**
#14 Sample container(s) intact?	**Yes**
#15 Sufficient sample amount for indicated test(s)?	**Yes**
#16 All samples received within hold time?	**Yes**
#17 Subcontract of sample(s)?	**N/A**
#18 Water VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 02.03.2021

Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 02.08.2021

Jessica Kramer

CARDINAL Laboratories

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

February 09, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: LANDES POND RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 02/08/21 16:10.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/08/2021	Sampling Date:	02/08/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	LANDES POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: FL 118 @ 3' (H210320-01)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/09/2021	ND	400	100	400	3.92	

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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, Lab Director/Quality Manager

CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	BILL TO	
Project Manager:	Joel Lowry	P.O. #:	
Address:	P.O. Box 301	Company:	ETECH
City:	Lovington	State: NM Zip: 88260	Attn:
Phone #:	(575) 396-2378	Fax #: (575) 396-1429	Address:
Project #:		Project Owner:	City:
Project Name:	Landes Pond Release		State: Zip:
Project Location:			Phone #:
Sampler Name:	David Robinson		Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING DATE	SAMPLING TIME	Chloride	TPH (8015M)	BTEX (8021B)
H210320-1	FL 1180 3'	C	1			X					X		2-8-21	2:00 PM	X		

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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 2-8-21	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1610		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		Please email results to pm@etechenv.com.
Delivered By: (Circle One)	Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials)	Rush
Sampler - UPS - Bus - Other: 5.8c #113			

FORM-006
Revision 1.0

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

Received by OCD: 4/8/2021 7:58:59 AM

Released to Imaging: 7/22/2021 3:04:17 PM

CARDINAL Laboratories

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

March 16, 2021

LANCE CRENSHAW

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: LANDES POND RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 03/15/21 15:25.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/15/2021	Sampling Date:	03/15/2021
Reported:	03/16/2021	Sampling Type:	Soil
Project Name:	LANDES POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	13261	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: FL 12 @ 3' (H210649-01)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	03/16/2021	ND	400	100	400	0.00	

Sample ID: FL 110 @ 2' (H210649-02)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	03/16/2021	ND	400	100	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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, Lab Director/Quality Manager

CARDINAL LABORATORIES

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

Rush!!!!

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Lance Crenshaw	P.O. #:	
Address:	P.O. Box 301	Company:	ETECH
City:	Lovington	State: NM Zip: 88260	Attn:
Phone #:	(575) 396-2378	Fax #: (575) 396-1429	Address:
Project #:	13281	Project Owner:	City:
Project Name:	Landes Pond Release		State: Zip:
Project Location:			Phone #:
Sampler Name:	Lance Crenshaw		Fax #:

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST												
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)											
H210649																											
1	FL 12 @ 3'	G	1			X					X		3/15		X												
2	FL 10 @ 2'	G	1			X					X		3/15		X												

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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 3-15-21	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1525		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		Please email results to pm@etechenv.com.

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: 4.3° #113

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) TD

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Revision 1.0

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

Received by OCD: 4/8/2021 7:58:59 AM

Released to Imaging: 7/22/2021 3:04:17 PM

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1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 23354

CONDITIONS

Operator: SOLARIS WATER MIDSTREAM, LLC 907 Tradewinds Blvd, Suite B Midland, TX 79706	OGRID: 371643
	Action Number: 23354
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
ceads	None	7/22/2021