

State of New Mexico
Oil Conservation Division

Incident ID	NDHR1918953059
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: Ralph Tijerina Title: EHS Director
 Signature: *Ralph Tijerina* Date: 05/11/2020
 email: rtijerina@goodnightmidstream.com Telephone: 214-587-4964

OCD Only

Received by: Cristina Eads Date: 04/06/2020

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: 05/11/2020
 Printed Name: Cristina Eads Title: Environmental Specialist

Remediation Summary and Soil Closure Request

Goodnight Midstream Permian, LLC Serrano

Lea County, New Mexico
Unit Letter C, Section 28, Township 23 South, Range 35 West
Latitude 32.279828 North, Longitude 103.373337 West
NMOCD Reference No. 1RP-5610

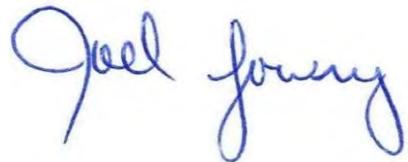
Prepared By:

Etech Environmental & Safety Solutions, Inc.

3100 Plains Highway
Lovington, New Mexico 88260



Daniel Dominguez



Joel W. Lowry



TABLE OF CONTENTS

	<i>Section</i>
PROJECT INFORMATION.....	1.0
SITE CHARACTERIZATION.....	2.0
CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE.....	3.0
INITIAL SITE ASSESSMENT.....	4.0
PROPOSED REMEDIATION PLAN.....	5.0
REGULATORY APPROVALS & STIPULATIONS.....	6.0
REMEDIATION ACTIVITIES SUMMARY.....	7.0
RESTORATION, RECLAMATION AND RE-VEGETATION PLAN.....	8.0
SOIL CLOSURE REQUEST.....	9.0
LIMITATIONS.....	10.0
DISTRIBUTION.....	11.0

FIGURES

- Figure 1 - Topographic Map
- Figure 2 - Aerial Proximity Map
- Figure 3 - Site & Sample Location Map

TABLES

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

APPENDICES

- Appendix A - Depth to Groundwater Information
- Appendix B - Field Data and Soil Profile Logs
- Appendix C - Laboratory Analytical Reports
- Appendix D - Photographic Log

1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Goodnight Midstream Permian, LLC, has prepared this Remediation Summary and Soil Closure Request for the Release Site known as the Serrano. Details of the release are summarized below:

Location of Release Source				
Latitude: <u>32.279828</u>		Longitude: <u>-103.373337</u>		
Provided GPS are in WGS84 format.				
Site Name: <u>Serrano</u>		Site Type: <u>SWD</u>		
Date Release Discovered: <u>6/28/2019</u>		API # (if applicable): <u>N/A</u>		
Unit Letter	Section	Township	Range	County
C	28	23S	35E	Lea
Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Federal <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Private (Name <u>Limestone Livestock</u>)				
Nature and Volume of Release				
<input type="checkbox"/> Crude Oil	Volume Released (bbls)		Volume Recovered (bbls)	
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) <u>768</u>		Volume Recovered (bbls) <u>100</u>	
	Is the concentration of dissolved chloride in the produced water > 10,000 mg/L?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input type="checkbox"/> Condensate	Volume Released (bbls)		Volume Recovered (bbls)	
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)		Volume Recovered (Mcf)	
<input type="checkbox"/> Other (describe)	Volume/Weight Released		Volume/Weight Recovered	
Cause of Release: A hose break caused the release. Entire release was contained within primary and secondary containment on the pad.				
Initial Response				
<input checked="" type="checkbox"/> The source of the release has been stopped.				
<input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.				
<input checked="" type="checkbox"/> Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices				
<input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.				

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

2.0 SITE CHARACTERIZATION

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

What is the shallowest depth to groundwater beneath the area affected by the release?	~230'	
Did the release impact groundwater or surface water?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production or storage site?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

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

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 for the Site is as follows:

Closure Criteria for Soil Impacted by a Release			
Probable Depth to Groundwater	Constituent	Method	Limit
~230'	Chloride	EPA 300.0 or SM4500 Cl B	20000 mg/kg
	TPH (GRO + DRO + MRO)	EPA SW-846 Method 8015M Ext	2500 mg/kg
	DRO + GRO	EPA SW-846 Method 8015M	1000 mg/kg
	BTEX	EPA SW-846 Methods 8021b or 8260b	50 mg/kg
	Benzene	EPA SW-846 Methods 8021b or 8260b	10 mg/kg

4.0 INITIAL SITE ASSESSMENT

Upon discovering the release, a surface scrape was conducted within the affected area in an effort to limit the migration of contaminants pending further remediation.

Between July 3 and July 15, 2019, Etech conducted an initial site assessment. During the initial site assessment, a series of hand-augered soil bores (SP #1 through SP #32) were advanced within the release margins in an effort to determine the vertical extent of soil impacts. During the advancement of the hand-augered soil bores, field soil samples were collected and field-screened for concentrations of chloride utilizing a Hach Quantab® chloride test kit. Based on the volume of the release, hand-augered soil bores were advanced until field test results suggested concentrations of chloride were below 600 mg/kg. A "Site & Sample Location Map" is provided as Figure 3. Field data and soil profile logs, if applicable, are provided as Appendix B.

In addition, hand-augered soil bores (NH 1, NH 2, SH 1, SH 2, EH 1, EH 2, WH 1 and WH 2) were advanced at the inferred edges of the affected area in an effort to determine the horizontal extent of soil impacts. During the advancement of the handaugered soil bores, field soil samples were collected and field-screened for concentrations of chloride utilizing a Hach Quantab® chloride test kit.

Based on field observations and field test data, eighty (80) delineation soil samples were submitted to the laboratory for analysis of BTEX, TPH and/or Chloride. Based on laboratory analytical results, soil was not affected above the NMOCD Closure Criteria beyond 1 Ft. bgs and the horizontal extent of affected soil impacted above the NMOCD Closure Criteria was adequately defined. A "Soil Chemistry Table" is provided as Table 1. Laboratory Analytical Reports are provided in Appendix C.

5.0 PROPOSED REMEDIATION PLAN

Based on laboratory analytical results, site characteristics and field observations made during the initial site assessment, Goodnight Midstream Permian, LLC proposes the following remediation activities designed to advance the Site toward an approved closure:

- Utilizing mechanical equipment, excavate impacted soil affected above the NMOCD Closure Criteria in the areas characterized by sample points SP #3 through SP #5, SP #8 through SP #12, SP #14, SP #15, SP #18 through SP #20 and SP #23 through SP #30.
- Impacted soil affected above the NMOCD Closure Criteria adjacent to and/or beneath active above ground equipment will be excavated by hand to the maximum extent practicable.
- Excavated material will be temporarily stockpiled on-site, then transported to an NMOCD-approved disposal facility.
- Upon excavating impacted soil affected above the NMOCD Closure Criteria, collect the requisite excavation confirmation soil samples.
- Upon receiving laboratory analytical results from excavation confirmation soil samples, backfill the excavated area with locally sourced, non-impacted material.
- Excavation backfill will be compacted and graded to meet the needs of the facility.
- Upon completion of remediation activities, prepare a Remediation Summary and Site Closure Request detailing remediation activities and the results of confirmation soil samples.

6.0 REGULATORY APPROVALS AND STIPULATIONS

On November 11, 2020, a Site Assessment Report and Proposed Remediation Workplan was submitted to the NMOCD proposing remediation activities designed to advance the Site toward regulatory closure. The Site Assessment Report and Proposed Remediation Workplan was subsequently approved.

Please reference the Site Assessment Report and Proposed Remediation Workplan for additional details regarding site characterization and proposed remediation activities.

7.0 REMEDIATION ACTIVITIES SUMMARY

During initial response activities, saturated soil within the release margins was scraped up and transported to an NMOCD-approved surface waste facility for disposal.

On July 25, 2019, remediation activities commenced at the Site. In accordance with the approved Workplan, impacted soil affected above the NMOCD Closure Criteria was excavated and stockpiled on-site, pending final disposition at an NMOCD-approved surface waste facility for disposal. The floor excavation was advanced until field observations and test results suggested BTEX, TPH and chloride concentrations were below the applicable NMOCD Closure Criteria.

On March 9, 2020, Etech collected 165 excavation confirmation soil samples. The collected soil samples were submitted to a certified commercial laboratory for analysis of BTEX, TPH and/or chloride. Laboratory analytical results indicated BTEX, TPH and chloride concentrations below the applicable NMOCD Closure Criteria in each of the submitted soil samples.

A "Site & Sample Location Map" is provided as Figure 3. A "Soil Chemistry Table" is provided as Table 1. Laboratory Analytical Reports are provided in Appendix C.

The final dimensions of the excavated area were 460 Ft. in length, 160 to 470 Ft. in width and ranged from 1 to 3 In. in depth. During the course of remediation activities approximately 36 cubic yards of impacted soil were transported to an NMOCD-approved surface waste facility for disposal.

8.0 RESTORATION, RECLAMATION AND RE-VEGETATION PLAN

Upon receiving laboratory analytical results from confirmation soil samples, excavated areas were backfilled with locally sourced, non-impacted "like" material placed at or near original relative positions. The affected area was contoured and/or compacted to achieve erosion control, stability and preservation of surface water flow to the extent practicable. The release confined to an active production facility therefore reseeding will not be necessary at this time. Final reclamation will be conducted in accordance with NMAC 19.15.29.13 once the facility is no longer in use.

9.0 SOIL CLOSURE REQUEST

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

Based on laboratory analytical results and field activities conducted to date, Etech recommends Goodnight Midstream Permian, LLC provide copies of this Remediation Summary and Soil Closure Request to the appropriate agencies and request closure be granted to the Serrano Site.

10.0 LIMITATIONS

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

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

11.0 DISTRIBUTION

Goodnight Midstream Permian, LLC

5910 N Central Expy

Dallas, TX 75206

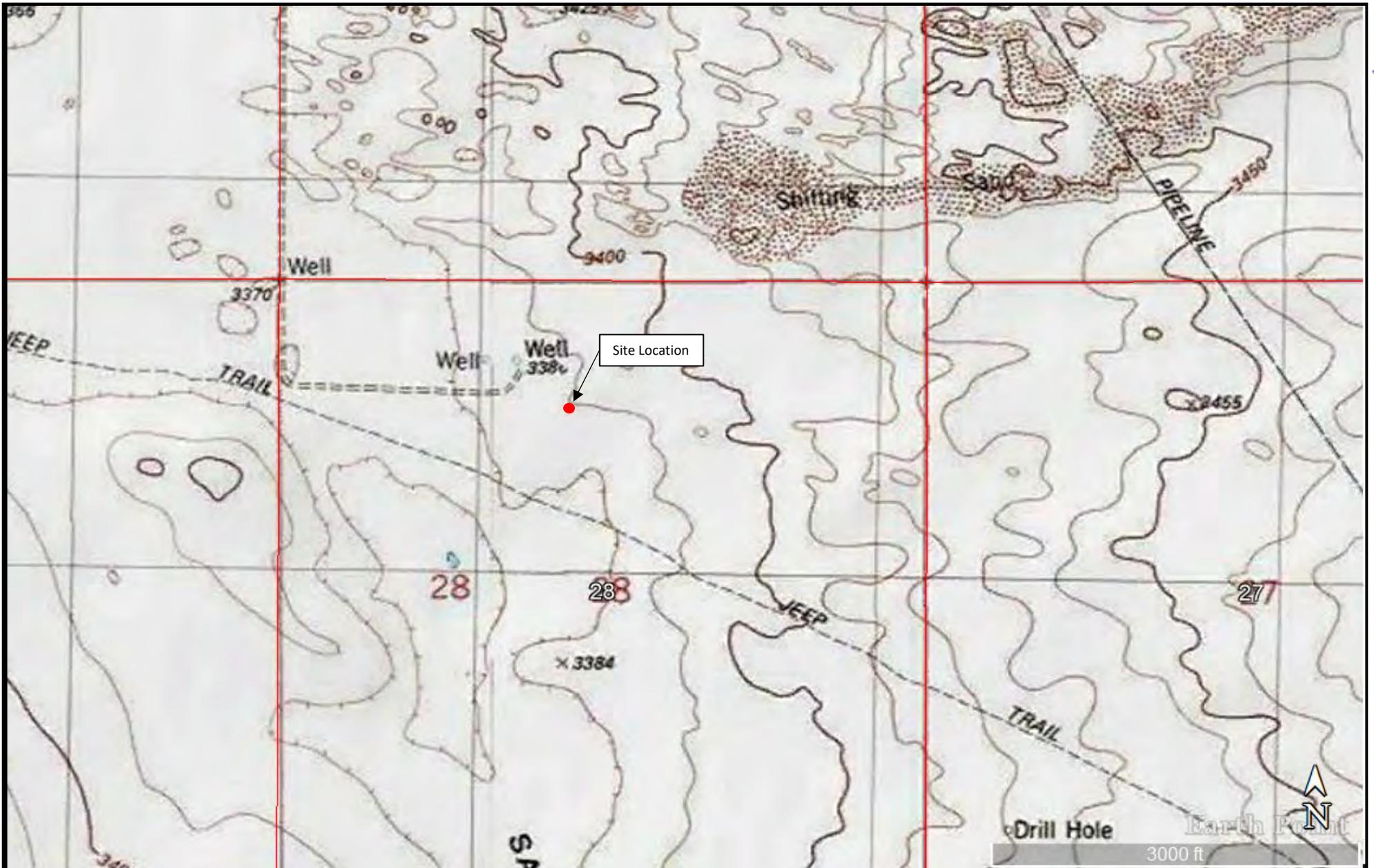
New Mexico Energy, Minerals and Natural Resources Department

Oil Conservation Division, District 2

811 S. First Street

Artesia, NM 88210

Figure 1
Topographic Map



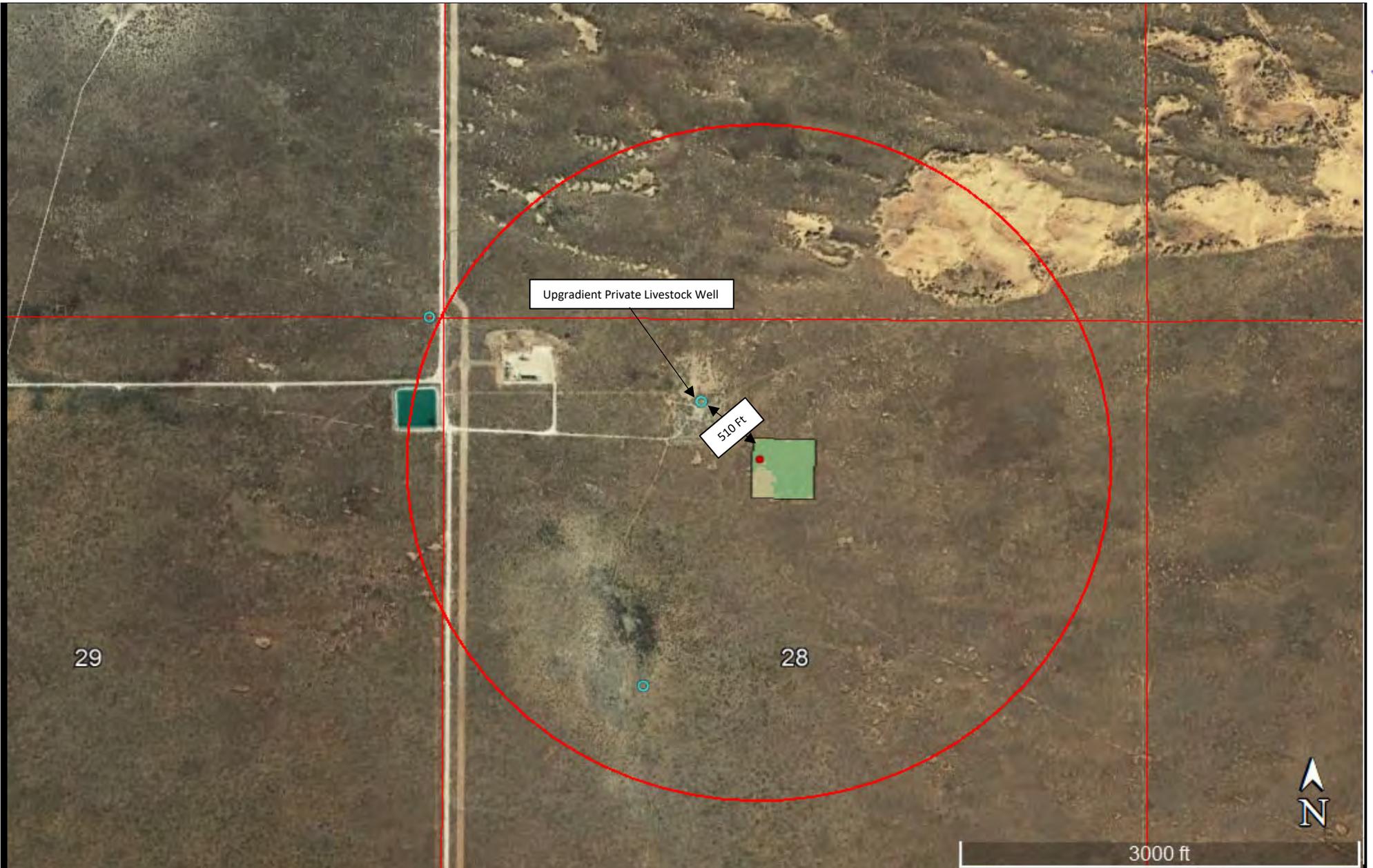
Legend:
 ● Site Location

Figure 1
 Topographic Map
 Goodnight Midstream Permian, LLC
 Serrano
 GPS: 32.279828, -103.373337
 Lea County

eTECH 
 Environmental & Safety Solutions, Inc.

Drafted: Checked: jwl Date: 8/23/19

Figure 2
Aerial Proximity Map



Legend:

● Site Location	 Non-Industrial Building
○ Fresh Water Well	 Subsurface Mine
 100-Year Floodplain	○ 1/2 Mile Radius
 High/Critical Karst	

Figure 2
 Aerial Proximity Map
 Goodnight Midstream Permian, LLC
 Serrano
 GPS: 32.279828, -103.373337
 Lea County



Environmental & Safety Solutions, Inc.

Drafted: Checked: jwl Date: 8/23/19

Figure 3

Site and Sample Location Map

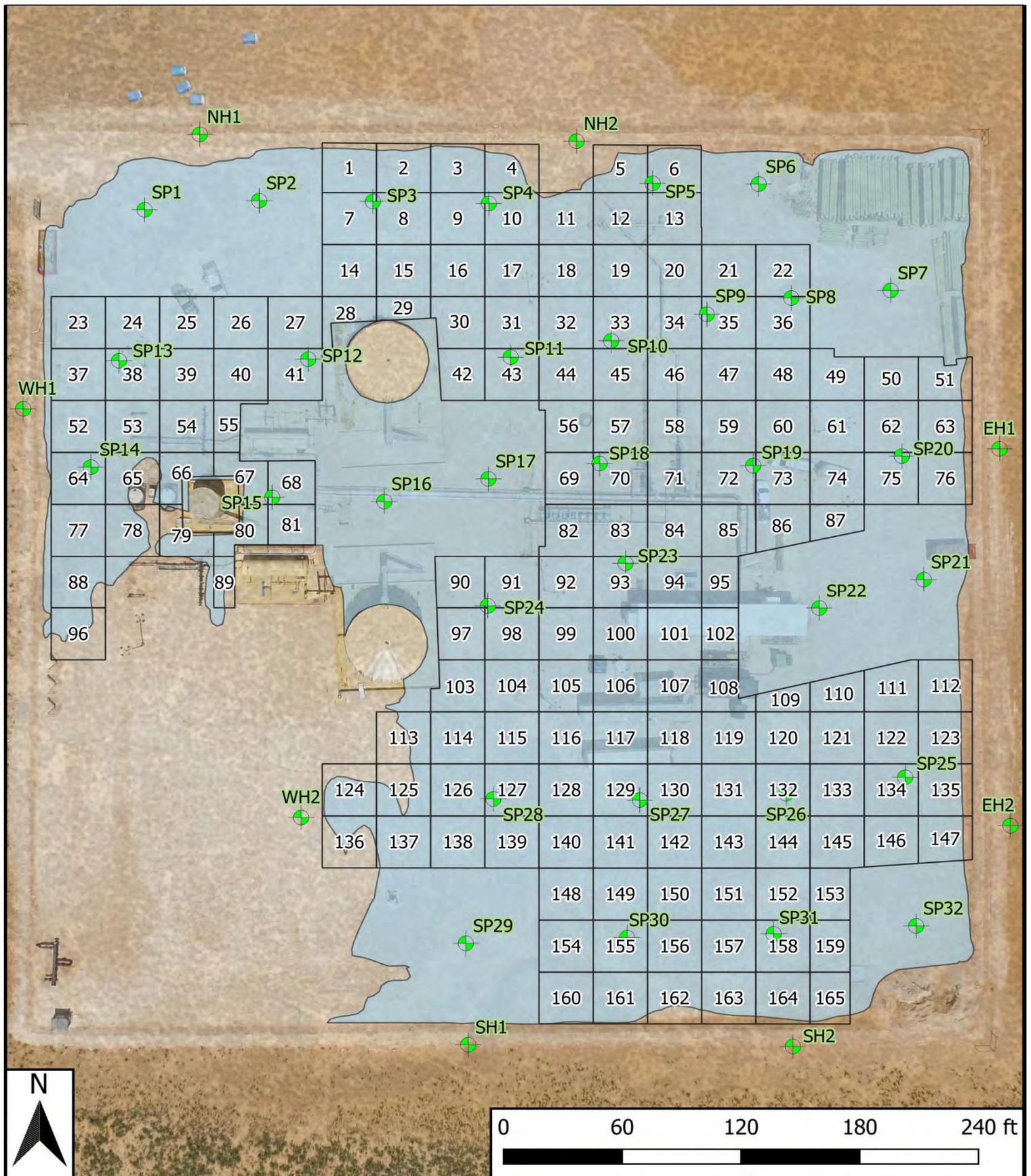


Figure 3

Site and Sample Location Map
 Goodnight Midstream Permian, LLC
 Serrano
 GPS: 32.279828, -103.373337
 Lea County

- Legend**
- Delineation Sample
 - Composite Sample
 - Release Area



Drafted: mag
 Checked: jwl
 Date: 3/17/20

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

TABLE 1
CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL
Goodnight Midstream Permian, LLC
Serrano
NMOCD Reference No. 1RP-5610

NMOCD Closure Criteria				10	50	-	-	1000	-	2500	20000
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)
SP 1	7/3/2019		In-Situ	-	-	-	-	-	-	-	13,000
SP 2	7/3/2019		In-Situ	-	-	-	-	-	-	-	15,200
SP 3	7/3/2019		Excavated	-	-	-	-	-	-	-	26,000
SP 4	7/3/2019		Excavated	-	-	-	-	-	-	-	47,200
SP 5	7/3/2019		Excavated	-	-	-	-	-	-	-	42,400
SP 6	7/3/2019		In-Situ	-	-	-	-	-	-	-	7,600
SP 7	7/3/2019		In-Situ	-	-	-	-	-	-	-	8,660
SP 8	7/3/2019		Excavated	-	-	-	-	-	-	-	30,800
SP 9	7/3/2019		Excavated	-	-	-	-	-	-	-	46,400
SP 10	7/3/2019		Excavated	-	-	-	-	-	-	-	31,200
SP 11	7/3/2019		Excavated	-	-	-	-	-	-	-	88,800
SP 12	7/3/2019		Excavated	-	-	-	-	-	-	-	26,000
SP 13	7/3/2019		Excavated	-	-	-	-	-	-	-	88,000
SP 14	7/3/2019		Excavated	-	-	-	-	-	-	-	22,600
SP 15	7/3/2019		Excavated	-	-	-	-	-	-	-	30,400
SP 16	7/3/2019		In-Situ	-	-	-	-	-	-	-	9,800
SP 17	7/3/2019		In-Situ	-	-	-	-	-	-	-	560
SP 18	7/3/2019		Excavated	-	-	-	-	-	-	-	53,600
SP 19	7/3/2019		Excavated	-	-	-	-	-	-	-	48,000
SP 20	7/3/2019		Excavated	-	-	-	-	-	-	-	23,000
SP 21	7/3/2019		In-Situ	-	-	-	-	-	-	-	17,200
SP 22	7/3/2019		In-Situ	-	-	-	-	-	-	-	3,440
SP 23	7/3/2019		Excavated	-	-	-	-	-	-	-	24,800
SP 24	7/3/2019		Excavated	-	-	-	-	-	-	-	32,400
SP 25	7/3/2019		Excavated	-	-	-	-	-	-	-	46,400
SP 26	7/3/2019		Excavated	-	-	-	-	-	-	-	40,000
SP 27	7/3/2019		Excavated	-	-	-	-	-	-	-	78,400
SP 28	7/3/2019		Excavated	-	-	-	-	-	-	-	26,800
SP 29	7/3/2019		In-Situ	-	-	-	-	-	-	-	15,600
SP 30	7/3/2019		Excavated	-	-	-	-	-	-	-	34,400
SP 31	7/3/2019		Excavated	-	-	-	-	-	-	-	92,800
SP 32	7/3/2019		In-Situ	-	-	-	-	-	-	-	10,600
SP 1	7/8/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SP 2	7/8/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SP 3	7/8/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SP 4	7/8/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
SP 5	7/8/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SP 6	7/8/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SP 7	7/8/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SP 8	7/8/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SP 10	7/8/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SP 11	7/8/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SP 12	7/8/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SP 13	7/8/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0

NOTES:

- = Sample not analyzed for that constituent.

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

TABLE 1
CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL
Goodnight Midstream Permian, LLC
Serrano
NMOCD Reference No. 1RP-5610

NMOCD Closure Criteria				10	50	-	-	1000	-	2500	20000
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)
SP # 9 @ 1'	7/15/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SP # 14 @ 1'	7/15/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
SP # 15 @ 1'	7/15/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
SP # 16 @ 2'	7/15/2019	2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SP # 17 @ 1'	7/15/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SP # 18 @ 1'	7/15/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SP # 19 @ 1'	7/15/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	608
SP # 20 @ 1'	7/15/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SP # 21 @ 1'	7/15/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SP # 22 @ 1'	7/15/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SP # 23 @ 1'	7/15/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SP # 24 @ 1'	7/15/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SP # 25 @ 1'	7/15/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SP # 26 @ 1'	7/15/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SP # 27 @ 1'	7/15/2019	1'	In-Situ	<0.050	<0.300	<10.0	18.4	18.4	33.5	51.9	16.0
SP # 28 @ 1'	7/15/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SP # 29 @ 1'	7/15/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SP # 30 @ 1'	7/15/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SP # 31 @ 2'	7/15/2019	2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SP # 32 @ 1'	7/15/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NH1 @ Surf	7/15/2019	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NH1 @ 1'	7/15/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NH2 @ Surf	7/15/2019	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NH2 @ 1'	7/15/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SH1 @ Surf	7/15/2019	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SH1 @ 1'	7/15/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SH2 @ Surf	7/15/2019	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
SH2 @ 1'	7/15/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
EH1 @ Surf	7/15/2019	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
EH1 @ 1'	7/15/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
EH2 @ Surf	7/15/2019	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
EH2 @ 1'	7/15/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
WH1 @ Surf	7/15/2019	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
WH1 @ 1'	7/15/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WH2 @ Surf	7/15/2019	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
WH2 @ 1'	7/15/2019	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
#1	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	585
#2	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	310
#3	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	97.8
#4	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	223
#5	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	40.4

NOTES:

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TABLE 1
CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL
Goodnight Midstream Permian, LLC
Serrano
NMOCD Reference No. 1RP-5610

NMOCD Closure Criteria				10	50	-	-	1000	-	2500	20000
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)
#6	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	127
#7	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	81.2
#8	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	236
#9	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	410
#10	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	150
#11	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	5.16
#12	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	8.71
#13	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	29.9
#14	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	29.5
#15	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	322
#16	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	137
#17	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	286
#18	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	94.9
#19	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	69.2
#20	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	212
#21	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	49.8
#22	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	135
#23	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	291
#24	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	190
#25	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	201
#26	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	111
#27	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	280
#28	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	23.0
#29	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	109
#30	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	78.7
#31	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	208
#32	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	160
#33	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	99.7
#34	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	223
#35	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	169
#36	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	332
#37	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	176
#38	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	62.4
#39	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	<4.97
#40	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	97.6
#41	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	7.71
#42	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	152
#43	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	62.4
#44	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	257
#45	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	376

NOTES:

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TABLE 1
CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL
Goodnight Midstream Permian, LLC
Serrano
NMOCD Reference No. 1RP-5610

NMOCD Closure Criteria				10	50	-	-	1000	-	2500	20000
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)
#46	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	483
#47	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	93.3
#48	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	141
#49	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	245
#50	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	232
#51	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	160
#52	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	6.36
#53	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	5.94
#54	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	36.3
#55	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	<4.96
#56	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	250
#57	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	36.7
#58	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	340
#59	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	33.2
#60	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	263
#61	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	147
#62	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	52.3
#63	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	619
#64	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	1,270
#65	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	105
#66	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	87.7
#67	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	17.8
#68	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	22.0
#69	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	26.5
#70	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	6.50
#71	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	705
#72	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	77.1
#73	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	20.5
#74	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	300
#75	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	167
#76	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	495
#77	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	272
#78	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	125
#79	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	271
#80	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	30.2
#81	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	112
#82	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	9.82
#83	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	<5.02
#84	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	656
#85	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	11.5

NOTES:

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**TABLE 1
CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL
Goodnight Midstream Permian, LLC
Serrano
NMOCD Reference No. 1RP-5610**

NMOCD Closure Criteria				10	50	-	-	1000	-	2500	20000
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)
#86	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	207
#87	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	51.5
#88	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	15.7
#89	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	31.3
#90	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	124
#91	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	130
#92	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	363
#93	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	52.0
#94	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	44.7
#95	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	7.83
#96	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	22.6
#97	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	45.2
#98	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	60.2
#88	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	1,040
#100	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	213
#101	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	<5.00
#102	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	7.33
#103	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	192
#104	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	677
#105	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	14.9
#106	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	492
#107	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	463
#108	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	33.2
#109	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	187
#110	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	245
#111	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	346
#112	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	31.3
#113	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	167
#114	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	57.6
#115	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	190
#116	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	245
#117	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	267
#118	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	457
#119	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	470
#120	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	224
#121	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	450
#122	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	388
#123	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	151
#124	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	268
#125	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	384

NOTES:

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TABLE 1
CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL
Goodnight Midstream Permian, LLC
Serrano
NMOCD Reference No. 1RP-5610

NMOCD Closure Criteria				10	50	-	-	1000	-	2500	20000
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)
#126	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	52.6
#127	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	216
#128	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	564
#129	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	20.9
#130	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	434
#131	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	379
#132	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	294
#133	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	202
#134	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	313
#135	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	203
#136	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	121
#137	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	16.5
#138	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	83.4
#139	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	240
#140	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	48.2
#141	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	46.3
#142	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	205
#143	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	76.3
#144	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	16.8
#145	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	514
#146	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	311
#147	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	168
#148	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	14.6
#149	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	11.8
#150	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	108
#151	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	552
#152	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	36.9
#153	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	53.2
#154	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	36.7
#155	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	14.0
#156	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	175
#157	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	620
#158	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	309
#159	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	9.30
#160	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	215
#161	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	35.7
#162	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	110
#163	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	54.7
#164	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	58.4
#165	3/9/2020	Surf.	In-Situ	-	-	-	-	-	-	-	159

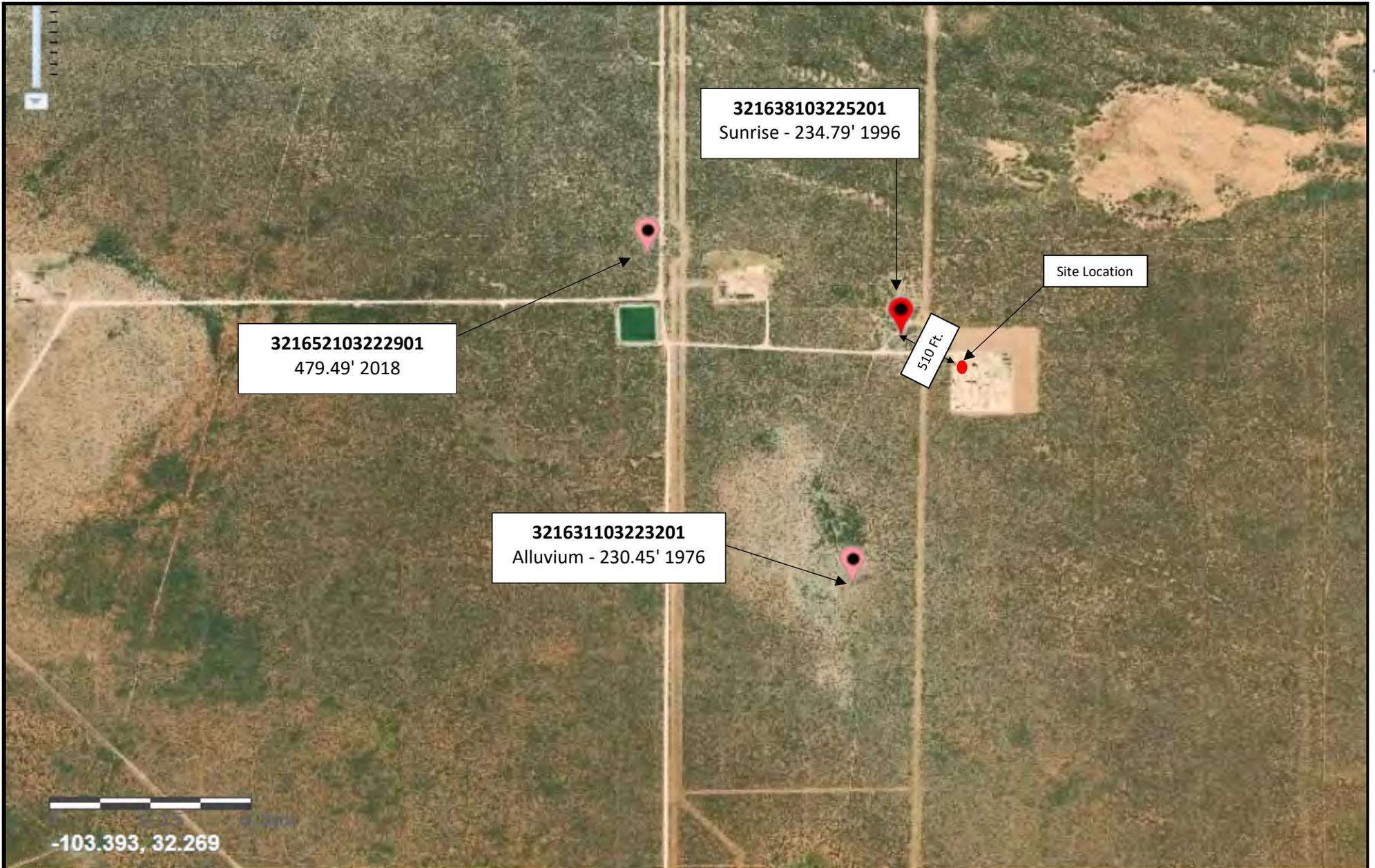
NOTES:

- = Sample not analyzed for that constituent.

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

Appendix A

Depth to Groundwater Information



Legend:

	Site Location
	USGS Well

Figure 5
 USGS Well Proximity Map
 Goodnight Midstream Permian, LLC
 Serrano
 GPS: 32.279828, -103.373337
 Lea County

eTECH
 Environmental & Safety Solutions, Inc.

Drafted: _____ Checked: jwl Date: 8/23/19



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	POD Code	Sub-basin	County	Q	Q	Q	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 01099 POD2	CP	LE	64	16	4	1	1	28	23S	35E	652471	3572934	784	750	120 630

Average Depth to Water: **120 feet**

Minimum Depth: **120 feet**

Maximum Depth: **120 feet**

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 653187.45

Northing (Y): 3572614.72

Radius: 1608

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

8/23/19 10:56 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
221C0	CP 01099 POD2	1	1	1	28	23S	35E	652471	3572934

Driller License: 1706	Driller Company: ELITE DRILLERS CORPORATION	
Driller Name: WALLACE, BRYCE J.LEE.NER		
Drill Start Date: 01/10/2019	Drill Finish Date: 01/13/2019	Plug Date:
Log File Date: 01/24/2019	PCW Rev Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield: 90 GPM
Casing Size: 7.60	Depth Well: 750 feet	Depth Water: 120 feet

Water Bearing Stratifications:	Top	Bottom	Description
	115	220	Sandstone/Gravel/Conglomerate
	580	600	Sandstone/Gravel/Conglomerate
	600	740	Other/Unknown

Casing Perforations:	Top	Bottom
	460	750

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.

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POINT OF DIVERSION SUMMARY



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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 321652103222901

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 321652103222901 23S.35E.28.124

Lea County, New Mexico
Latitude 32°16'51.8", Longitude 103°22'29.1" NAD83
Land-surface elevation 3,388 feet above NAVD88
The depth of the well is 5,300 feet below land surface.

Output formats

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

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurement
2012-11-29	14:50 MST	m	536.09				2	T	USGS	
2013-06-24	14:40 MDT	m	529.82				2	T	USGS	
2013-09-09	13:45 MDT	m	527.73				2	T	USGS	
2013-12-02	13:20 MST	m	526.05				2	T	USGS	
2014-03-17	12:55 MDT	m	525.52				2	T	USGS	
2014-06-30	13:35 MDT	m	520.42				2	T	USGS	
2014-09-29	13:30 MDT	m	520.81				2	T	USGS	
2014-12-01	13:45 MST	m	519.81				2	T	USGS	
2015-03-27	10:00 MDT	m	517.51				2	T	USGS	
2015-05-18	13:10 MDT	m	515.97				2	T	USGS	
2015-09-28	12:55 MDT	m	510.56				2	T	USGS	
2015-12-01	12:55 MST	m	509.01				2	T	USGS	
2016-03-21	10:45 MDT	m	508.91				2	T	USGS	
2016-06-29	14:00 MDT	m	508.99				2	T	USGS	
2016-09-21	12:05 MST	m	506.50				2	T	USGS	
2016-12-12	12:10 MST	m	503.34				2	V	USBLM	
2017-03-09	12:45 MST	m	499.45				2	V	USBLM	
2017-06-12	11:55 MDT	m	495.72				2	V	USBLM	
2017-10-19	16:15 MDT	m	490.47				2	V	USBLM	
2017-12-14	13:59 MST	m	490.40				2	V	USBLM	
2018-03-26	13:37 MDT	m	486.38				2	V	USBLM	
2018-06-25	12:48 MDT	m	484.93				2	V	USBLM	

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurement
2018-10-29	14:50 MDT	m	479.49			2		V	USBLM	

Explanation

Section	Code	Description
Water-level date-time accuracy	m	Date is accurate to the Minute
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Method of measurement	T	Electric-tape measurement.
Method of measurement	V	Calibrated electric-tape measurement.
Measuring agency	USBLM	U.S. Bureau of Land Management
Measuring agency	USGS	U.S. Geological Survey
Source of measurement	R	Reported by person other than the owner, driller, or another government agency.
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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Title: Groundwater for USA: Water Levels

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



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0.68 0.62 nadww01



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Agency code = usgs
site_no list =

- 321631103223201

Minimum number of levels = 1

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USGS 321631103223201 23S.35E.28.12321

Lea County, New Mexico

Latitude 32°16'31", Longitude 103°22'32" NAD27

Land-surface elevation 3,369 feet above NAVD88

The depth of the well is 242 feet below land surface.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1967-10-17		D	233.71				2		U	
1976-01-23		D	230.43				2		U	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
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?>



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0.59 0.56 nadww01



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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 321638103225201

Minimum number of levels = 1

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USGS 321638103225201 23S.35E.28.11111

Lea County, New Mexico
Latitude 32°16'58", Longitude 103°22'51" NAD27
Land-surface elevation 3,370.00 feet above NGVD29
The depth of the well is 795 feet below land surface.
This well is completed in the Sunrise Formation (231SNRS) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1967-10-17		D	230.67				2		U	
1968-06-11		D	230.26				2		U	
1970-12-09		D	230.02				2		U	
1976-01-23		D	231.57				2		U	
1981-03-30		D	233.10				2		U	
1986-04-17		D	233.11				2		U	
1991-05-16		D	233.30				2		U	
1996-03-13		D	234.79				2		S	

Explanation

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

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0.49 0.45 nadww01

Appendix B

Field Data and Soil Profile Logs

Goodnight midstream Serrano 01 03 19

SP @ # 1 surface -	14,808	
SP @ # 2 surface -	< 27,680	11:43
SP @ # 3 surface -	< 27,680	11:46
SP @ # 4 surface -	< 27,680	11:50
SP @ # 5 surface -	27,680	11:52
SP @ # 6 surface -	6,560	11:55
SP @ # 7	6,560	11:58
SP @ # 8	20,520	12:06
SP @ # 9	< 27,680	12:08
SP @ # 10	23,508	12:09
SP @ # 11	< 27,680	12:11
SP @ # 12	< 27,680	12:11
SP @ # 13	< 27,680	12:15
SP @ # 14	23,508	12:22
SP @ # 15	16,354	12:26
SP @ # 16	13,484	12:28
SP @ # 17	> 1,184	12:31
SP @ # 18	23,508	12:32
SP @ # 19	< 27,680	12:34
SP @ # 20	20,520	12:39
SP @ # 21	14,808	12:44
SP @ # 22	2,280	12:45
SP @ # 23	12,340	12:47
SP @ # 24	< 27,680	12:49
SP @ # 25	27,680	12:50
SP @ # 26	< 27,680	12:51
SP @ # 27	< 27,680	12:57
SP @ # 28	23,508	12:59
SP @ # 29	13,484	1:00
SP @ # 30	23,508	1:02
SP @ # 31	< 27,680	1:05
SP @ # 32	7,074	1:10
		1:20

	Goodnight midstream	Serrano	01 08 19
SP #1e1'-	< 1,184	< 108	8:45
SP #1e2'-	< 1,184	< 108	8:49
SP #2e1'-	< 1,184	< 108	9:00
SP #3e1'-	< 1,184	< 108	9:26
SP #4e1'-	< 1,184	< 108	9:42
SP #5e1'-	< 1,184	< 108	10:01
SP #6e1'-		136	10:22
SP #7e1'-		164	10:37
SP #8e1'-		240	11:11
SP #9e1'-		240	11:34
SP #10e1'-		136	11:30
SP #11e1'-		320	12:40
SP #12e1'-		1,728	12:46
SP #13e1'-		1,728	1:17
SP #13e2'-		1,728	1:30
SP #13e3'-		1,728	1:35
SP #13e4'-		1,728	1:39
SP #13e5'-		456	1:55
SP #13e6'-		364	1:56
SP #13e8'-			

Goodnight midstream Serrano		07.11.19
SP #29 @ 1' -	108	8:10
SP #31 @ 1' -	716	8:18
SP #32 @ 1' -	108	8:27
SP #31 @ 2' -	408	8:34
SP #30 @ 1' -	280	9:41
SP #28 @ 1' -	136	10:29
SP #27 @ 1' -	280	11:15
SP #26 @ 1' -	240	12:11
SP #25 @ 1' -	344	12:26
SP #24 @ 1' -	108	1:20

Goodnight midstream
Serrano

01.12.19

SP # 22 @ 1' -	136	8:35
SP # 23 @ 1' -	108	8:50
SP # 21 @ 1' -	240	9:53
SP # 20 @ 1' -	200	10:56
SP # 19 @ 1' -	240	11:20
SP # 18 @ 2' -	280	12:13
SP # WH1 @ surface -	364	1:08
SP # WH1 @ 1' -	<108	1:38
SP # NH1 @ surface -	<108	2:08
SP # NH1 @ 1' -	164	2:20
SP # NH2 @ surface -	136	3:00
SP # NH2 @ 1' -	<108	3:10

Goodnight midstream

Serrano 07.15.19

SP # EH1 @ surface -	200	8:00
SP # EH1 @ 1' -	136	8:30
SP # EH2 @ surface -	136	9:00
SP # EH2 @ 1' -	< 108	9:30
SP # SH1 @ surface -	< 108	10:00
SP # SH1 @ 1' -	< 108	10:30
SP # WH2 @ surface -	556	11:00
SP # WH2 @ 1' -	200	11:30
SP # SH2 @ surface -	240	12:00
SP # SH2 @ 1' -	108	12:50
SP # 14 @ surface -	> 2428	1:30
SP # 14 @ 1' -	556	2:00



Soil Profile

Date: 7/3/19 7/8 7/11 7/12 7/15

Project: Serrano

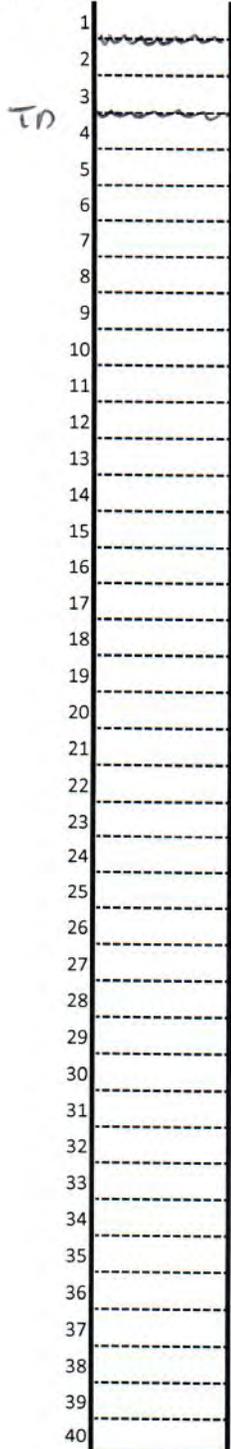
Project Number: 10786

Latitude: 32.279828

Longitude: -103.373337

Depth (ft. bgs)

Description

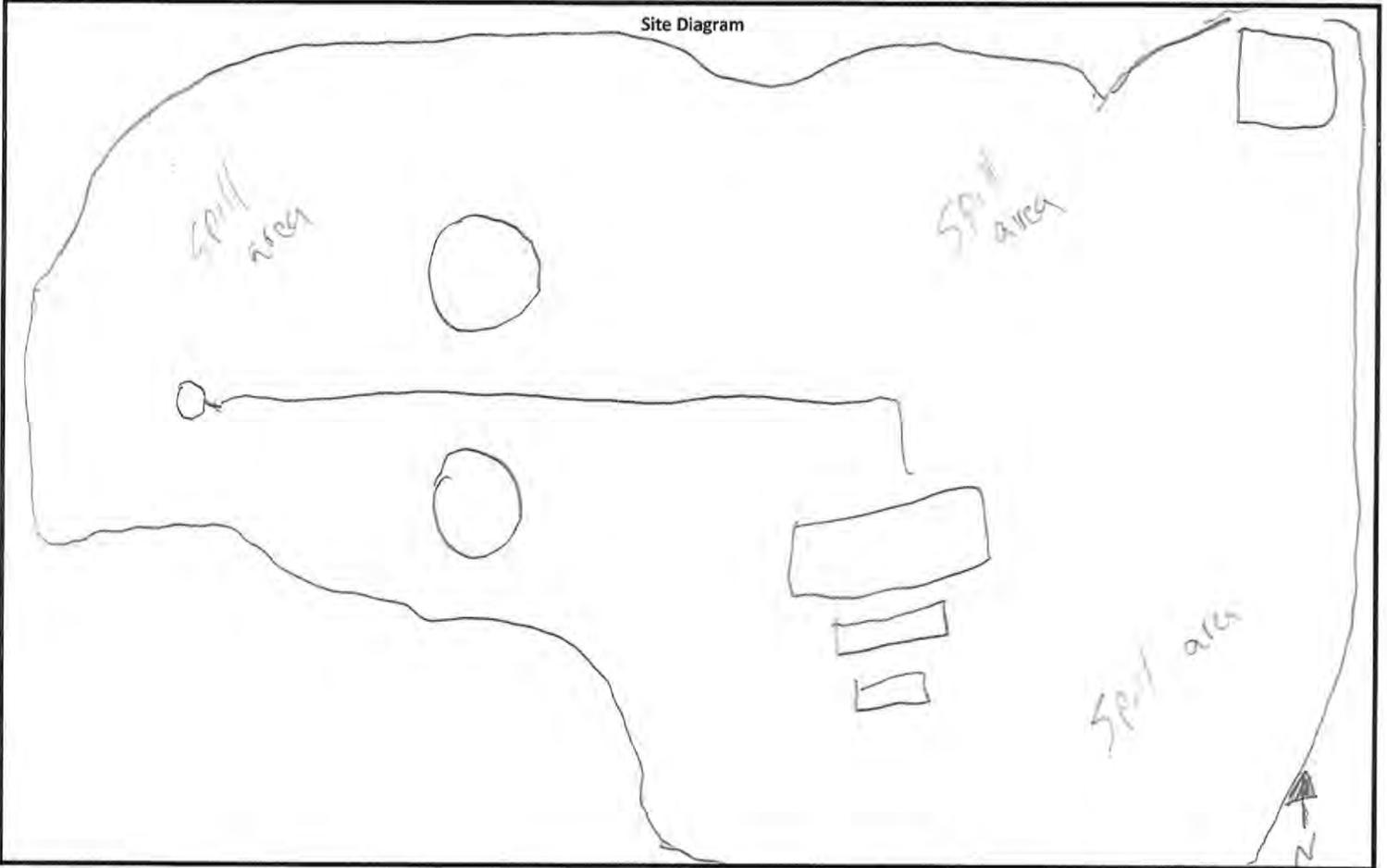


Depth (ft. bgs)	Description
1	Impert Fill, Calicho Pad
2	
3	Red Sand
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	
37	
38	
39	
40	



Initial Release Assessment Form

Project: Serrano Date: _____
 Clean Up Level: 600 mg/kg Cl-, 100 mg/kg TPH
 Project Number: 10786 Latitude: 32.279828 Longitude: -103.373337



Notes:

~Length:	~Width:	~Area:	~Depth:	Yes	No
3-4 Representative Pictures of the Affected Area including sample locations?				<input type="checkbox"/>	<input type="checkbox"/>
Necessary Samples Field Screened and on Ice?				<input type="checkbox"/>	<input type="checkbox"/>
Sample and Field Screen Data Entered on Sample Log?				<input type="checkbox"/>	<input type="checkbox"/>
Was horizontal and vertical delineation achieved?				<input type="checkbox"/>	<input type="checkbox"/>



Sample Log

Project: Serrano Spill

Date: 08-16-19

Project Number: 10780

Latitude: _____

Longitude: _____

Sample ID	PID/Odor	Chloride Conc.	GPS
#1 Surface		> 2436	8:00
#2 Surface		> 2436	8:00
#3 Surface		> 2436	8:00
#4 Surface		> 2436	8:00
#5 Surface		236	8:00
#6 Surface		> 2436	8:00
#7 Surface		> 2436	8:20
#8 Surface		> 2436	8:20
#9 Surface		> 2436	8:20
#10 Surface		> 2436	8:20
#11 Surface		> 2436	8:20
#12 Surface		> 2436	8:20
#13 Surface		> 2436	8:35
#14 Surface		> 2436	8:35
#15 Surface		> 2436	8:35
#16 Surface		> 2436	8:35
#17 Surface		> 2436	8:35
#18 Surface		> 2436	8:35
#19 Surface		> 2436	8:35
#20 Surface		> 2492	8:55
#21 Surface		> 2492	8:55
#22 Surface		> 2492	8:55
#23 Surface		> 2492	8:55
#24 Surface		> 2492	8:55
#25 Surface		> 2492	8:55
#26 Surface		> 2492	9:28
#27 Surface		> 2492	9:28
#28 Surface		> 2492	9:28
#29 Surface		> 2492	9:28
#30 Surface		> 2492	9:28
#31 Surface		> 2492	9:28
#32 Surface		> 2492	9:51
#33 Surface		> 2492	9:51
#34 Surface		> 2492	9:51
#36 Surface		> 2492	9:51
#37 Surface		> 2492	9:51

Sample Point = SP #1 @ ## etc

Test Trench = TT #1 @ ##

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

Floor = FL #1 etc

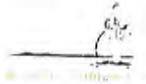
Refusal = SP #1 @ 4'-R

Stockpile = Stockpile #1

Sidewall = SW #1 etc

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

GPS Sample Points, Center of Comp Areas



Sample Log

Project: _____ Date: _____
 Project Number: _____ Latitude: _____ Longitude: _____

Sample ID	PID/Odor	Chloride Conc.	GPS
38		7 2492	9:51
39		7 2492	10:08
40		7 2492	10:08
41		7 2492	10:08
42		7 2492	10:08
43		7 2492	10:08
44		7 2492	10:08
45		7 2492	10:08
46		7 2492	10:24
47		7 2492	10:24
48		7 2492	10:24
49		7 2492	10:24
50		7 2492	10:24
51		7 2492	10:26
52		7 2492	10:26
53		7 2492	10:26
54		7 2492	10:44
55		7 2492	10:44
56		7 2492	10:44
57		7 2492	10:44
58		7 2492	10:44
59		7 2492	10:44
60		7 27680	8:17
61		23.508	8:17
62		7 27680	8:17
63		7 27680	8:17
64		7 27680	8:17
65		7 27680	8:17
66		7 27680	8:17
67		7 27680	8:50
68		27680	8:50
69		20.520	8:50
70		7 27680	8:50
71		7 27680	8:50
72		7 27680	8:50
73		7 27680	8:50

Sample Point = SP #1 @ ## etc

Test Trench = TT #1 @ ##

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

Floor = FL #1 etc

Refusal = SP #1 @ 4'-R

Stockpile = Stockpile #1

Sidewall = SW #1 etc

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

GPS Sample Points, Center of Comp Areas



Sample Log

Date: 8-19-19

Project: Serrano

Project Number: _____ Latitude: _____ Longitude: _____

Sample ID	PID/Odor	Chloride Conc.	GPS
Surface # 74		27,680 8:29	
75		27,680 8:30	
76		27,680 8:30	
77		27,680 8:30	
78		27,680 8:31	
79		27,680 8:31	
80		27,680 8:31	
81		27,680 8:38	
82		27,680 8:38	
83		27,680 8:38	
84		27,680 8:38	
85		27,680 8:38	
86		23,508 8:56	
87		23,509 8:56	
88		20,520 8:57	
89		18,216 8:57	
90		23,152 8:57	
101		23,152 9:26	
102		27,680 9:26	
103		27,680 9:26	
104		27,680 9:30	
105		23,508 9:30	
106		18,216 9:30	
107		16,356 9:30	
108		20,520 9:30	
109		27,680 9:32	
121		27,680 10:17	
122		27,680 10:18	
123		27,680 10:18	
124		27,680 10:19	
125		27,680 10:19	
126		27,680 10:19	
127		27,680 10:20	
128		27,680 10:21	
129		27,680 10:21	
130		27,680 10:21	

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



Sample Log

Project: _____ Date: _____
 Project Number: _____ Latitude: _____ Longitude: _____

Sample ID	PID/Odor	Chloride Conc.	GPS
91	>	27680	9:20
92	>	27680	9:20
93	>	27680	9:20
94	>	27680	9:20
95	>	27680	9:20
96	>	27680	9:20
97		20,580	9:20
98		23,508	9:50
99		23,568	9:50
100	>	27680	9:50
110	>	27680	9:50
111	>	27680	9:50
112	>	27680	9:50
113	>	27680	9:50
114	>	27680	10:20
115	>	27680	10:20
116	>	27680	10:20
117	>	27680	10:20
118	>	27680	10:20
119	>	27680	10:20
120	>	27680	10:20
148	>	27680	1:20
149	>	27680	1:20
150	>	27680	1:20
151	>	27680	1:20
152	>	27680	1:20
153	>	27680	1:20
154	>	27680	1:20
155	>	27680	2:00
156	>	27680	2:00
157	>	27680	2:00
158	>	27680	2:00
159	>	27680	2:03
160	>	27680	2:03
161	>	27680	2:03
162	>	27680	2:03

Sample Point = SP #1 @ ## etc Test Trench = TT #1 @ ## Resamples = SP #1 @ Sb or SW #1b
 Floor = FL #1 etc Refusal = SP #1 @ 4'-R Stockpile = Stockpile #1
 Sidewall = SW #1 etc Soil Intended to be Deferred = SP #1 @ 4' In-Situ GPS Sample Points, Center of Comp Areas

63

27680

2:03



Sample Log

Date: 8-19-19

Project: Serrano

Project Number: _____ Latitude: _____ Longitude: _____

Sample ID	PID/Odor	Chloride Conc.	GPS
Surface #131		27,680 10:22	
132		27,680 10:22	
133		27,680 10:40	
134		27,680 10:40	
135		27,680 10:42	
136		27,680 10:42	
137		20,520 10:42	
138		23,152 1:31	
139		23,152 1:31	
140		27,680 1:32	
141		27,680 1:32	
142		27,680 1:32	
143		27,680 1:32	
144		27,680 1:34	
145		23,152 1:34	
146		23,152 1:34	
147		27,680 1:34	
164		27,680 1:47	
165		23,152 1:47	
166		23,152 1:47	
167		23,152 1:47	
168		23,152 1:48	
169		20,520 1:48	
170		27,680 1:48	
171		27,680 2:00	
172		27,680 2:01	
173		27,680 2:02	
174		27,680 2:04	
175		27,680 2:08	
176		27,680 2:10	

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



Soil Profile

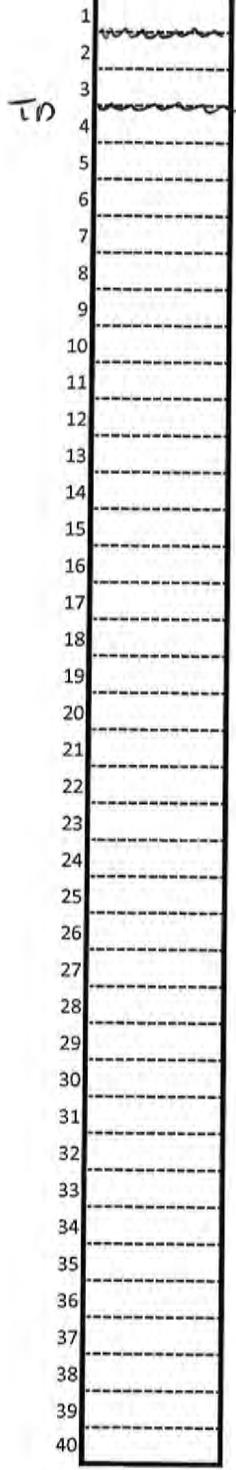
Date: 7/3/19 7/8 7/11 7/12/19

Project: Serrano

Project Number: 10786 Latitude: 32.279828 Longitude: -103.373337

Depth (ft. bgs)

Description



Depth (ft. bgs)	Description
1	Impact Fill, Caliche Pad
2	
3	Red Sand
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
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Appendix C

Laboratory Analytical Reports



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

July 15, 2019

DANIEL DOMINGUEZ

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: SERRANO

Enclosed are the results of analyses for samples received by the laboratory on 07/09/19 15:47.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/09/2019	Sampling Date:	07/08/2019
Reported:	07/15/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP 1 (H902340-01)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2019	ND	2.15	108	2.00	2.85	
Toluene*	<0.050	0.050	07/10/2019	ND	2.16	108	2.00	0.913	
Ethylbenzene*	<0.050	0.050	07/10/2019	ND	2.03	101	2.00	0.512	
Total Xylenes*	<0.150	0.150	07/10/2019	ND	6.13	102	6.00	0.696	
Total BTEX	<0.300	0.300	07/10/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

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	07/10/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2019	ND	202	101	200	7.22	
DRO >C10-C28*	<10.0	10.0	07/10/2019	ND	202	101	200	5.24	
EXT DRO >C28-C36	<10.0	10.0	07/10/2019	ND					

Surrogate: 1-Chlorooctane 117 % 41-142

Surrogate: 1-Chlorooctadecane 120 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/09/2019	Sampling Date:	07/08/2019
Reported:	07/15/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP 2 (H902340-02)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2019	ND	2.15	108	2.00	2.85	
Toluene*	<0.050	0.050	07/10/2019	ND	2.16	108	2.00	0.913	
Ethylbenzene*	<0.050	0.050	07/10/2019	ND	2.03	101	2.00	0.512	
Total Xylenes*	<0.150	0.150	07/10/2019	ND	6.13	102	6.00	0.696	
Total BTEX	<0.300	0.300	07/10/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/10/2019	ND	400	100	400	0.00	QR-03

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2019	ND	202	101	200	7.22	
DRO >C10-C28*	<10.0	10.0	07/10/2019	ND	202	101	200	5.24	
EXT DRO >C28-C36	<10.0	10.0	07/10/2019	ND					

Surrogate: 1-Chlorooctane 114 % 41-142

Surrogate: 1-Chlorooctadecane 118 % 37.6-147

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/09/2019	Sampling Date:	07/08/2019
Reported:	07/15/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP 3 (H902340-03)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2019	ND	2.15	108	2.00	2.85	
Toluene*	<0.050	0.050	07/10/2019	ND	2.16	108	2.00	0.913	
Ethylbenzene*	<0.050	0.050	07/10/2019	ND	2.03	101	2.00	0.512	
Total Xylenes*	<0.150	0.150	07/10/2019	ND	6.13	102	6.00	0.696	
Total BTEX	<0.300	0.300	07/10/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/10/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2019	ND	202	101	200	7.22	
DRO >C10-C28*	<10.0	10.0	07/10/2019	ND	202	101	200	5.24	
EXT DRO >C28-C36	<10.0	10.0	07/10/2019	ND					

Surrogate: 1-Chlorooctane 116 % 41-142

Surrogate: 1-Chlorooctadecane 120 % 37.6-147

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/09/2019	Sampling Date:	07/08/2019
Reported:	07/15/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP 4 (H902340-04)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2019	ND	2.15	108	2.00	2.85	
Toluene*	<0.050	0.050	07/10/2019	ND	2.16	108	2.00	0.913	
Ethylbenzene*	<0.050	0.050	07/10/2019	ND	2.03	101	2.00	0.512	
Total Xylenes*	<0.150	0.150	07/10/2019	ND	6.13	102	6.00	0.696	
Total BTEX	<0.300	0.300	07/10/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/10/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2019	ND	202	101	200	7.22	
DRO >C10-C28*	<10.0	10.0	07/10/2019	ND	202	101	200	5.24	
EXT DRO >C28-C36	<10.0	10.0	07/10/2019	ND					

Surrogate: 1-Chlorooctane 115 % 41-142

Surrogate: 1-Chlorooctadecane 119 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/09/2019	Sampling Date:	07/08/2019
Reported:	07/15/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP 5 (H902340-05)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2019	ND	2.15	108	2.00	2.85	
Toluene*	<0.050	0.050	07/10/2019	ND	2.16	108	2.00	0.913	
Ethylbenzene*	<0.050	0.050	07/10/2019	ND	2.03	101	2.00	0.512	
Total Xylenes*	<0.150	0.150	07/10/2019	ND	6.13	102	6.00	0.696	
Total BTEX	<0.300	0.300	07/10/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

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	07/10/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2019	ND	202	101	200	7.22	
DRO >C10-C28*	<10.0	10.0	07/10/2019	ND	202	101	200	5.24	
EXT DRO >C28-C36	<10.0	10.0	07/10/2019	ND					

Surrogate: 1-Chlorooctane 113 % 41-142

Surrogate: 1-Chlorooctadecane 116 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/09/2019	Sampling Date:	07/08/2019
Reported:	07/15/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP 6 (H902340-06)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2019	ND	2.15	108	2.00	2.85	
Toluene*	<0.050	0.050	07/10/2019	ND	2.16	108	2.00	0.913	
Ethylbenzene*	<0.050	0.050	07/10/2019	ND	2.03	101	2.00	0.512	
Total Xylenes*	<0.150	0.150	07/10/2019	ND	6.13	102	6.00	0.696	
Total BTEX	<0.300	0.300	07/10/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/10/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2019	ND	202	101	200	7.22	
DRO >C10-C28*	<10.0	10.0	07/10/2019	ND	202	101	200	5.24	
EXT DRO >C28-C36	<10.0	10.0	07/10/2019	ND					

Surrogate: 1-Chlorooctane 117 % 41-142

Surrogate: 1-Chlorooctadecane 120 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/09/2019	Sampling Date:	07/08/2019
Reported:	07/15/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP 7 (H902340-07)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2019	ND	2.15	108	2.00	2.85	
Toluene*	<0.050	0.050	07/10/2019	ND	2.16	108	2.00	0.913	
Ethylbenzene*	<0.050	0.050	07/10/2019	ND	2.03	101	2.00	0.512	
Total Xylenes*	<0.150	0.150	07/10/2019	ND	6.13	102	6.00	0.696	
Total BTEX	<0.300	0.300	07/10/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

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	07/10/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2019	ND	202	101	200	7.22	
DRO >C10-C28*	<10.0	10.0	07/10/2019	ND	202	101	200	5.24	
EXT DRO >C28-C36	<10.0	10.0	07/10/2019	ND					

Surrogate: 1-Chlorooctane 117 % 41-142

Surrogate: 1-Chlorooctadecane 120 % 37.6-147

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/09/2019	Sampling Date:	07/08/2019
Reported:	07/15/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP 8 (H902340-08)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2019	ND	2.15	108	2.00	2.85	
Toluene*	<0.050	0.050	07/10/2019	ND	2.16	108	2.00	0.913	
Ethylbenzene*	<0.050	0.050	07/10/2019	ND	2.03	101	2.00	0.512	
Total Xylenes*	<0.150	0.150	07/10/2019	ND	6.13	102	6.00	0.696	
Total BTEX	<0.300	0.300	07/10/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 73.3-129

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	07/10/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2019	ND	204	102	200	4.89	
DRO >C10-C28*	<10.0	10.0	07/11/2019	ND	219	109	200	8.98	
EXT DRO >C28-C36	<10.0	10.0	07/11/2019	ND					

Surrogate: 1-Chlorooctane 97.5 % 41-142

Surrogate: 1-Chlorooctadecane 115 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/09/2019	Sampling Date:	07/08/2019
Reported:	07/15/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP 10 (H902340-09)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2019	ND	2.15	108	2.00	2.85	
Toluene*	<0.050	0.050	07/10/2019	ND	2.16	108	2.00	0.913	
Ethylbenzene*	<0.050	0.050	07/10/2019	ND	2.03	101	2.00	0.512	
Total Xylenes*	<0.150	0.150	07/10/2019	ND	6.13	102	6.00	0.696	
Total BTEX	<0.300	0.300	07/10/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/10/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2019	ND	204	102	200	4.89	
DRO >C10-C28*	<10.0	10.0	07/11/2019	ND	219	109	200	8.98	
EXT DRO >C28-C36	<10.0	10.0	07/11/2019	ND					

Surrogate: 1-Chlorooctane 97.7 % 41-142

Surrogate: 1-Chlorooctadecane 115 % 37.6-147

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/09/2019	Sampling Date:	07/08/2019
Reported:	07/15/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP 11 (H902340-10)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2019	ND	2.15	108	2.00	2.85	
Toluene*	<0.050	0.050	07/11/2019	ND	2.16	108	2.00	0.913	
Ethylbenzene*	<0.050	0.050	07/11/2019	ND	2.03	101	2.00	0.512	
Total Xylenes*	<0.150	0.150	07/11/2019	ND	6.13	102	6.00	0.696	
Total BTEX	<0.300	0.300	07/11/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/10/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2019	ND	204	102	200	4.89	
DRO >C10-C28*	<10.0	10.0	07/11/2019	ND	219	109	200	8.98	
EXT DRO >C28-C36	<10.0	10.0	07/11/2019	ND					

Surrogate: 1-Chlorooctane 100 % 41-142

Surrogate: 1-Chlorooctadecane 119 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/09/2019	Sampling Date:	07/08/2019
Reported:	07/15/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP 12 (H902340-11)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2019	ND	2.15	108	2.00	2.85	
Toluene*	<0.050	0.050	07/11/2019	ND	2.16	108	2.00	0.913	
Ethylbenzene*	<0.050	0.050	07/11/2019	ND	2.03	101	2.00	0.512	
Total Xylenes*	<0.150	0.150	07/11/2019	ND	6.13	102	6.00	0.696	
Total BTEX	<0.300	0.300	07/11/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

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	07/10/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2019	ND	204	102	200	4.89	
DRO >C10-C28*	<10.0	10.0	07/12/2019	ND	219	109	200	8.98	
EXT DRO >C28-C36	<10.0	10.0	07/12/2019	ND					

Surrogate: 1-Chlorooctane 97.1 % 41-142

Surrogate: 1-Chlorooctadecane 118 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/09/2019	Sampling Date:	07/08/2019
Reported:	07/15/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP 13 (H902340-12)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2019	ND	2.09	105	2.00	0.678	
Toluene*	<0.050	0.050	07/11/2019	ND	2.09	104	2.00	2.09	
Ethylbenzene*	<0.050	0.050	07/11/2019	ND	1.98	98.9	2.00	0.643	
Total Xylenes*	<0.150	0.150	07/11/2019	ND	5.96	99.3	6.00	0.617	
Total BTEX	<0.300	0.300	07/11/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

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	07/10/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2019	ND	204	102	200	4.89	
DRO >C10-C28*	<10.0	10.0	07/12/2019	ND	219	109	200	8.98	
EXT DRO >C28-C36	<10.0	10.0	07/12/2019	ND					

Surrogate: 1-Chlorooctane 97.9 % 41-142

Surrogate: 1-Chlorooctadecane 118 % 37.6-147

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD.
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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental Project Manager: Daniel Dominguez Address: PO Box 896 Lovington State: NM Zip: 88260 City: Lovington State: NM Zip: 88260 Phone #: 575-396-2378 Fax #: Project #: 10768 Project Owner: Goodnight Midstream Project Name: Serrano Project Location: Sampler Name: Catalina Villa		BILL TO P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:		ANALYSIS REQUEST	
FOR LAB USE ONLY Lab I.D. H902340 Sample I.D.		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :		MATRIX PRESERV. SAMPLING	
SP1 SP2 SP3 SP4 SP5 SP6 SP7 SP8 SP9 SP10 SP11		G G G G G G G G G G		1 1 1 1 1 1 1 1 1 1	
7/8/19 7/8/19 7/8/19 7/8/19 7/8/19 7/8/19 7/8/19 7/8/19 7/8/19 7/8/19 7/8/19		8:45 9:06 9:26 9:42 10:01 10:22 10:37 11:11 11:34 11:36		X X X X X X X X X X X	
X X X X X X X X X X X		X X X X X X X X X X X		X X X X X X X X X X X	

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Reinquinshed By: *Catalina Villa* Date: 7-9-19 Time: 10:49
 Received By: *Juanora Chelley* Date: 7-9-19 Time: 3:17 pm

Delivered By: (Circle One) UPS Bus Other: *49c #97*

Sample Condition: Cool Intact Yes No

CHECKED BY: (Initials) *JC*

Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____

REMARKS: email results to danield@etechnv.com

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental Project Manager: Daniel Dominguez Address: PO Box 896 Lovington State: NM Zip: 88260 Phone #: 575-396-2378 Fax #: Project #: 10768 Project Owner: Goodnight Midstream Project Name: Serrano Project Location: Sampler Name: Catalina Villa FOR LAB USE ONLY		P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:		BILL TO		ANALYSIS REQUEST																		
Lab I.D. H982340 11 12	SP12 SP13	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	G 1 G 1 X X X X X X X X X X	DATE 7/8/19 7/8/19	TIME 12:40 13:56	Chloride	X	X	X															
						TPH	X	X	X															
						BTEX 8021	X	X	X															

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Relinquished By: *Catalina Villa* Date: 7-9-19 Time: 10:49
Received By: *[Signature]* Date: 7-4-19 Time: 3:47 pm
Delivered By: (Circle One) UPS Bus Other: 4.9c #97
Sample Condition: Cool Intact Yes No
CHECKED BY: *[Signature]* (Initials) *YO*
REMARKS: email results to danield@etechemv.com

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



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

July 25, 2019

DANIEL DOMINGUEZ

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: SERRANO

Enclosed are the results of analyses for samples received by the laboratory on 07/18/19 16:27.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP # 9 @ 1' (H902482-01)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2019	ND	1.99	99.5	2.00	0.995	
Toluene*	<0.050	0.050	07/19/2019	ND	2.07	103	2.00	3.16	
Ethylbenzene*	<0.050	0.050	07/19/2019	ND	1.93	96.5	2.00	1.03	
Total Xylenes*	<0.150	0.150	07/19/2019	ND	5.83	97.2	6.00	1.60	
Total BTEX	<0.300	0.300	07/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

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	07/19/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2019	ND	226	113	200	0.171	
DRO >C10-C28*	<10.0	10.0	07/20/2019	ND	219	109	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	07/20/2019	ND					

Surrogate: 1-Chlorooctane 86.5 % 41-142

Surrogate: 1-Chlorooctadecane 93.9 % 37.6-147

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Analytical Results For:

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

Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP # 14 @ 1' (H902482-02)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2019	ND	1.99	99.5	2.00	0.995	
Toluene*	<0.050	0.050	07/19/2019	ND	2.07	103	2.00	3.16	
Ethylbenzene*	<0.050	0.050	07/19/2019	ND	1.93	96.5	2.00	1.03	
Total Xylenes*	<0.150	0.150	07/19/2019	ND	5.83	97.2	6.00	1.60	
Total BTEX	<0.300	0.300	07/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	07/19/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2019	ND	226	113	200	0.171	
DRO >C10-C28*	<10.0	10.0	07/20/2019	ND	219	109	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	07/20/2019	ND					

Surrogate: 1-Chlorooctane 88.1 % 41-142

Surrogate: 1-Chlorooctadecane 95.0 % 37.6-147

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Analytical Results For:

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Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP # 15 @ 1' (H902482-03)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2019	ND	1.99	99.5	2.00	0.995	
Toluene*	<0.050	0.050	07/19/2019	ND	2.07	103	2.00	3.16	
Ethylbenzene*	<0.050	0.050	07/19/2019	ND	1.93	96.5	2.00	1.03	
Total Xylenes*	<0.150	0.150	07/19/2019	ND	5.83	97.2	6.00	1.60	
Total BTEX	<0.300	0.300	07/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	07/19/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2019	ND	214	107	200	0.788	
DRO >C10-C28*	<10.0	10.0	07/19/2019	ND	201	101	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	07/19/2019	ND					

Surrogate: 1-Chlorooctane 123 % 41-142

Surrogate: 1-Chlorooctadecane 125 % 37.6-147

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Analytical Results For:

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Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP # 16 @ 2' (H902482-04)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2019	ND	1.99	99.5	2.00	0.995	
Toluene*	<0.050	0.050	07/19/2019	ND	2.07	103	2.00	3.16	
Ethylbenzene*	<0.050	0.050	07/19/2019	ND	1.93	96.5	2.00	1.03	
Total Xylenes*	<0.150	0.150	07/19/2019	ND	5.83	97.2	6.00	1.60	
Total BTEX	<0.300	0.300	07/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/19/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2019	ND	214	107	200	0.788	
DRO >C10-C28*	<10.0	10.0	07/19/2019	ND	201	101	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	07/19/2019	ND					

Surrogate: 1-Chlorooctane 117 % 41-142

Surrogate: 1-Chlorooctadecane 117 % 37.6-147

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Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP # 17 @ 1' (H902482-05)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2019	ND	1.99	99.5	2.00	0.995	
Toluene*	<0.050	0.050	07/19/2019	ND	2.07	103	2.00	3.16	
Ethylbenzene*	<0.050	0.050	07/19/2019	ND	1.93	96.5	2.00	1.03	
Total Xylenes*	<0.150	0.150	07/19/2019	ND	5.83	97.2	6.00	1.60	
Total BTEX	<0.300	0.300	07/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/19/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2019	ND	214	107	200	0.788	
DRO >C10-C28*	<10.0	10.0	07/19/2019	ND	201	101	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	07/19/2019	ND					

Surrogate: 1-Chlorooctane 107 % 41-142

Surrogate: 1-Chlorooctadecane 105 % 37.6-147

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 Fax To: (575) 396-1429

Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP # 18 @ 1' (H902482-06)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2019	ND	1.99	99.5	2.00	0.995	
Toluene*	<0.050	0.050	07/19/2019	ND	2.07	103	2.00	3.16	
Ethylbenzene*	<0.050	0.050	07/19/2019	ND	1.93	96.5	2.00	1.03	
Total Xylenes*	<0.150	0.150	07/19/2019	ND	5.83	97.2	6.00	1.60	
Total BTEX	<0.300	0.300	07/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/19/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2019	ND	214	107	200	0.788	
DRO >C10-C28*	<10.0	10.0	07/19/2019	ND	201	101	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	07/19/2019	ND					

Surrogate: 1-Chlorooctane 117 % 41-142

Surrogate: 1-Chlorooctadecane 117 % 37.6-147

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP # 19 @ 1' (H902482-07)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2019	ND	1.99	99.5	2.00	0.995	
Toluene*	<0.050	0.050	07/19/2019	ND	2.07	103	2.00	3.16	
Ethylbenzene*	<0.050	0.050	07/19/2019	ND	1.93	96.5	2.00	1.03	
Total Xylenes*	<0.150	0.150	07/19/2019	ND	5.83	97.2	6.00	1.60	
Total BTEX	<0.300	0.300	07/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	07/19/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2019	ND	214	107	200	0.788	
DRO >C10-C28*	<10.0	10.0	07/19/2019	ND	201	101	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	07/19/2019	ND					

Surrogate: 1-Chlorooctane 122 % 41-142

Surrogate: 1-Chlorooctadecane 123 % 37.6-147

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP # 20 @ 1' (H902482-08)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2019	ND	1.99	99.5	2.00	0.995	
Toluene*	<0.050	0.050	07/19/2019	ND	2.07	103	2.00	3.16	
Ethylbenzene*	<0.050	0.050	07/19/2019	ND	1.93	96.5	2.00	1.03	
Total Xylenes*	<0.150	0.150	07/19/2019	ND	5.83	97.2	6.00	1.60	
Total BTEX	<0.300	0.300	07/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/22/2019	ND	400	100	400	0.00	QR-03

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2019	ND	214	107	200	0.788	
DRO >C10-C28*	<10.0	10.0	07/19/2019	ND	201	101	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	07/19/2019	ND					

Surrogate: 1-Chlorooctane 116 % 41-142

Surrogate: 1-Chlorooctadecane 116 % 37.6-147

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Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP # 21 @ 1' (H902482-09)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2019	ND	1.97	98.3	2.00	3.11	
Toluene*	<0.050	0.050	07/22/2019	ND	2.03	101	2.00	2.45	
Ethylbenzene*	<0.050	0.050	07/22/2019	ND	1.90	95.0	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/22/2019	ND	5.89	98.1	6.00	3.18	
Total BTEX	<0.300	0.300	07/22/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/22/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2019	ND	214	107	200	0.788	
DRO >C10-C28*	<10.0	10.0	07/19/2019	ND	201	101	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	07/19/2019	ND					

Surrogate: 1-Chlorooctane 117 % 41-142

Surrogate: 1-Chlorooctadecane 118 % 37.6-147

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Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP # 22 @ 1' (H902482-10)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2019	ND	1.97	98.3	2.00	3.11	
Toluene*	<0.050	0.050	07/22/2019	ND	2.03	101	2.00	2.45	
Ethylbenzene*	<0.050	0.050	07/22/2019	ND	1.90	95.0	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/22/2019	ND	5.89	98.1	6.00	3.18	
Total BTEX	<0.300	0.300	07/22/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

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	07/22/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2019	ND	214	107	200	0.788	
DRO >C10-C28*	<10.0	10.0	07/19/2019	ND	201	101	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	07/19/2019	ND					

Surrogate: 1-Chlorooctane 117 % 41-142

Surrogate: 1-Chlorooctadecane 117 % 37.6-147

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Analytical Results For:

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

Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP # 23 @ 1' (H902482-11)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2019	ND	1.97	98.3	2.00	3.11	
Toluene*	<0.050	0.050	07/22/2019	ND	2.03	101	2.00	2.45	
Ethylbenzene*	<0.050	0.050	07/22/2019	ND	1.90	95.0	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/22/2019	ND	5.89	98.1	6.00	3.18	
Total BTEX	<0.300	0.300	07/22/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/22/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2019	ND	214	107	200	0.788	
DRO >C10-C28*	<10.0	10.0	07/19/2019	ND	201	101	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	07/19/2019	ND					

Surrogate: 1-Chlorooctane 107 % 41-142

Surrogate: 1-Chlorooctadecane 108 % 37.6-147

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP # 24 @ 1' (H902482-12)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2019	ND	1.97	98.3	2.00	3.11	
Toluene*	<0.050	0.050	07/22/2019	ND	2.03	101	2.00	2.45	
Ethylbenzene*	<0.050	0.050	07/22/2019	ND	1.90	95.0	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/22/2019	ND	5.89	98.1	6.00	3.18	
Total BTEX	<0.300	0.300	07/22/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/22/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2019	ND	214	107	200	0.788	
DRO >C10-C28*	<10.0	10.0	07/19/2019	ND	201	101	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	07/19/2019	ND					

Surrogate: 1-Chlorooctane 121 % 41-142

Surrogate: 1-Chlorooctadecane 122 % 37.6-147

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP # 25 @ 1' (H902482-13)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2019	ND	1.97	98.3	2.00	3.11	
Toluene*	<0.050	0.050	07/22/2019	ND	2.03	101	2.00	2.45	
Ethylbenzene*	<0.050	0.050	07/22/2019	ND	1.90	95.0	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/22/2019	ND	5.89	98.1	6.00	3.18	
Total BTEX	<0.300	0.300	07/22/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/22/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2019	ND	214	107	200	0.788	
DRO >C10-C28*	<10.0	10.0	07/20/2019	ND	201	101	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	07/20/2019	ND					

Surrogate: 1-Chlorooctane 120 % 41-142

Surrogate: 1-Chlorooctadecane 121 % 37.6-147

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Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP # 26 @ 1' (H902482-14)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2019	ND	1.97	98.3	2.00	3.11	
Toluene*	<0.050	0.050	07/22/2019	ND	2.03	101	2.00	2.45	
Ethylbenzene*	<0.050	0.050	07/22/2019	ND	1.90	95.0	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/22/2019	ND	5.89	98.1	6.00	3.18	
Total BTEX	<0.300	0.300	07/22/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

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	07/22/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2019	ND	214	107	200	0.788	
DRO >C10-C28*	<10.0	10.0	07/20/2019	ND	201	101	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	07/20/2019	ND					

Surrogate: 1-Chlorooctane 109 % 41-142

Surrogate: 1-Chlorooctadecane 111 % 37.6-147

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 Fax To: (575) 396-1429

Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP # 27 @ 1' (H902482-15)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2019	ND	1.97	98.3	2.00	3.11	
Toluene*	<0.050	0.050	07/22/2019	ND	2.03	101	2.00	2.45	
Ethylbenzene*	<0.050	0.050	07/22/2019	ND	1.90	95.0	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/22/2019	ND	5.89	98.1	6.00	3.18	
Total BTEX	<0.300	0.300	07/22/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/22/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2019	ND	214	107	200	0.788	
DRO >C10-C28*	18.4	10.0	07/22/2019	ND	201	101	200	2.17	
EXT DRO >C28-C36	33.5	10.0	07/22/2019	ND					

Surrogate: 1-Chlorooctane 79.2 % 41-142

Surrogate: 1-Chlorooctadecane 90.7 % 37.6-147

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Analytical Results For:

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 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP # 28 @ 1' (H902482-16)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2019	ND	1.97	98.3	2.00	3.11	
Toluene*	<0.050	0.050	07/22/2019	ND	2.03	101	2.00	2.45	
Ethylbenzene*	<0.050	0.050	07/22/2019	ND	1.90	95.0	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/22/2019	ND	5.89	98.1	6.00	3.18	
Total BTEX	<0.300	0.300	07/22/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/22/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2019	ND	212	106	200	1.46	
DRO >C10-C28*	<10.0	10.0	07/20/2019	ND	208	104	200	0.780	
EXT DRO >C28-C36	<10.0	10.0	07/20/2019	ND					

Surrogate: 1-Chlorooctane 123 % 41-142

Surrogate: 1-Chlorooctadecane 128 % 37.6-147

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Analytical Results For:

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Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP # 29 @ 1' (H902482-17)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2019	ND	1.97	98.3	2.00	3.11	
Toluene*	<0.050	0.050	07/22/2019	ND	2.03	101	2.00	2.45	
Ethylbenzene*	<0.050	0.050	07/22/2019	ND	1.90	95.0	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/22/2019	ND	5.89	98.1	6.00	3.18	
Total BTEX	<0.300	0.300	07/22/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/22/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2019	ND	212	106	200	1.46	
DRO >C10-C28*	<10.0	10.0	07/20/2019	ND	208	104	200	0.780	
EXT DRO >C28-C36	<10.0	10.0	07/20/2019	ND					

Surrogate: 1-Chlorooctane 119 % 41-142

Surrogate: 1-Chlorooctadecane 122 % 37.6-147

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Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP # 30 @ 1' (H902482-18)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2019	ND	1.97	98.3	2.00	3.11	
Toluene*	<0.050	0.050	07/22/2019	ND	2.03	101	2.00	2.45	
Ethylbenzene*	<0.050	0.050	07/22/2019	ND	1.90	95.0	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/22/2019	ND	5.89	98.1	6.00	3.18	
Total BTEX	<0.300	0.300	07/22/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/22/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2019	ND	212	106	200	1.46	
DRO >C10-C28*	<10.0	10.0	07/20/2019	ND	208	104	200	0.780	
EXT DRO >C28-C36	<10.0	10.0	07/20/2019	ND					

Surrogate: 1-Chlorooctane 126 % 41-142

Surrogate: 1-Chlorooctadecane 130 % 37.6-147

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* = Accredited Analyte

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

Analytical Results For:

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

Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP # 31 @ 2' (H902482-19)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2019	ND	1.97	98.3	2.00	3.11	
Toluene*	<0.050	0.050	07/22/2019	ND	2.03	101	2.00	2.45	
Ethylbenzene*	<0.050	0.050	07/22/2019	ND	1.90	95.0	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/22/2019	ND	5.89	98.1	6.00	3.18	
Total BTEX	<0.300	0.300	07/22/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

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	07/22/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2019	ND	212	106	200	1.46	
DRO >C10-C28*	<10.0	10.0	07/20/2019	ND	208	104	200	0.780	
EXT DRO >C28-C36	<10.0	10.0	07/20/2019	ND					

Surrogate: 1-Chlorooctane 124 % 41-142

Surrogate: 1-Chlorooctadecane 127 % 37.6-147

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Analytical Results For:

Etech Environmental & Safety Solutions
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 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP # 32 @ 1' (H902482-20)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2019	ND	1.97	98.3	2.00	3.11	
Toluene*	<0.050	0.050	07/22/2019	ND	2.03	101	2.00	2.45	
Ethylbenzene*	<0.050	0.050	07/22/2019	ND	1.90	95.0	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/22/2019	ND	5.89	98.1	6.00	3.18	
Total BTEX	<0.300	0.300	07/22/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

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	07/22/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2019	ND	212	106	200	1.46	
DRO >C10-C28*	<10.0	10.0	07/20/2019	ND	208	104	200	0.780	
EXT DRO >C28-C36	<10.0	10.0	07/20/2019	ND					

Surrogate: 1-Chlorooctane 126 % 41-142

Surrogate: 1-Chlorooctadecane 129 % 37.6-147

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Analytical Results For:

Etech Environmental & Safety Solutions
 DANIEL DOMINGUEZ
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 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: NH1 @ SURFACE (H902482-21)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2019	ND	1.97	98.3	2.00	3.11	
Toluene*	<0.050	0.050	07/24/2019	ND	2.03	101	2.00	2.45	
Ethylbenzene*	<0.050	0.050	07/24/2019	ND	1.90	95.0	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/24/2019	ND	5.89	98.1	6.00	3.18	
Total BTEX	<0.300	0.300	07/24/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

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	07/22/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2019	ND	212	106	200	1.46	
DRO >C10-C28*	<10.0	10.0	07/20/2019	ND	208	104	200	0.780	
EXT DRO >C28-C36	<10.0	10.0	07/20/2019	ND					

Surrogate: 1-Chlorooctane 120 % 41-142

Surrogate: 1-Chlorooctadecane 124 % 37.6-147

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Analytical Results For:

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Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: NH1 @ 1' (H902482-22)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2019	ND	1.97	98.3	2.00	3.11	
Toluene*	<0.050	0.050	07/24/2019	ND	2.03	101	2.00	2.45	
Ethylbenzene*	<0.050	0.050	07/24/2019	ND	1.90	95.0	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/24/2019	ND	5.89	98.1	6.00	3.18	
Total BTEX	<0.300	0.300	07/24/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/22/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2019	ND	212	106	200	1.46	
DRO >C10-C28*	<10.0	10.0	07/20/2019	ND	208	104	200	0.780	
EXT DRO >C28-C36	<10.0	10.0	07/20/2019	ND					

Surrogate: 1-Chlorooctane 126 % 41-142

Surrogate: 1-Chlorooctadecane 130 % 37.6-147

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: NH2 @ SURFACE (H902482-23)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2019	ND	1.97	98.3	2.00	3.11	
Toluene*	<0.050	0.050	07/24/2019	ND	2.03	101	2.00	2.45	
Ethylbenzene*	<0.050	0.050	07/24/2019	ND	1.90	95.0	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/24/2019	ND	5.89	98.1	6.00	3.18	
Total BTEX	<0.300	0.300	07/24/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/22/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2019	ND	212	106	200	1.46	
DRO >C10-C28*	<10.0	10.0	07/20/2019	ND	208	104	200	0.780	
EXT DRO >C28-C36	<10.0	10.0	07/20/2019	ND					

Surrogate: 1-Chlorooctane 121 % 41-142

Surrogate: 1-Chlorooctadecane 126 % 37.6-147

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Analytical Results For:

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 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: NH2 @ 1' (H902482-24)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2019	ND	1.97	98.3	2.00	3.11	
Toluene*	<0.050	0.050	07/24/2019	ND	2.03	101	2.00	2.45	
Ethylbenzene*	<0.050	0.050	07/24/2019	ND	1.90	95.0	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/24/2019	ND	5.89	98.1	6.00	3.18	
Total BTEX	<0.300	0.300	07/24/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/22/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2019	ND	212	106	200	1.46	
DRO >C10-C28*	<10.0	10.0	07/20/2019	ND	208	104	200	0.780	
EXT DRO >C28-C36	<10.0	10.0	07/20/2019	ND					

Surrogate: 1-Chlorooctane 125 % 41-142

Surrogate: 1-Chlorooctadecane 130 % 37.6-147

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Analytical Results For:

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 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SH1 @ SURFACE (H902482-25)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2019	ND	1.97	98.3	2.00	3.11	
Toluene*	<0.050	0.050	07/24/2019	ND	2.03	101	2.00	2.45	
Ethylbenzene*	<0.050	0.050	07/24/2019	ND	1.90	95.0	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/24/2019	ND	5.89	98.1	6.00	3.18	
Total BTEX	<0.300	0.300	07/24/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/22/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2019	ND	212	106	200	1.46	
DRO >C10-C28*	<10.0	10.0	07/20/2019	ND	208	104	200	0.780	
EXT DRO >C28-C36	<10.0	10.0	07/20/2019	ND					

Surrogate: 1-Chlorooctane 124 % 41-142

Surrogate: 1-Chlorooctadecane 129 % 37.6-147

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SH1 @ 1' (H902482-26)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2019	ND	1.97	98.3	2.00	3.11	
Toluene*	<0.050	0.050	07/24/2019	ND	2.03	101	2.00	2.45	
Ethylbenzene*	<0.050	0.050	07/24/2019	ND	1.90	95.0	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/24/2019	ND	5.89	98.1	6.00	3.18	
Total BTEX	<0.300	0.300	07/24/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/22/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2019	ND	212	106	200	1.46	
DRO >C10-C28*	<10.0	10.0	07/20/2019	ND	208	104	200	0.780	
EXT DRO >C28-C36	<10.0	10.0	07/20/2019	ND					

Surrogate: 1-Chlorooctane 123 % 41-142

Surrogate: 1-Chlorooctadecane 128 % 37.6-147

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Analytical Results For:

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Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SH2 @ SURFACE (H902482-27)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2019	ND	1.78	88.8	2.00	4.65	
Toluene*	<0.050	0.050	07/23/2019	ND	1.82	90.9	2.00	4.26	
Ethylbenzene*	<0.050	0.050	07/23/2019	ND	1.73	86.6	2.00	4.02	
Total Xylenes*	<0.150	0.150	07/23/2019	ND	5.23	87.2	6.00	3.74	
Total BTEX	<0.300	0.300	07/23/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/22/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2019	ND	212	106	200	1.46	
DRO >C10-C28*	<10.0	10.0	07/20/2019	ND	208	104	200	0.780	
EXT DRO >C28-C36	<10.0	10.0	07/20/2019	ND					

Surrogate: 1-Chlorooctane 116 % 41-142

Surrogate: 1-Chlorooctadecane 121 % 37.6-147

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* = Accredited Analyte

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Analytical Results For:

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

Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SH2 @ 1' (H902482-28)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2019	ND	1.78	88.8	2.00	4.65	
Toluene*	<0.050	0.050	07/23/2019	ND	1.82	90.9	2.00	4.26	
Ethylbenzene*	<0.050	0.050	07/23/2019	ND	1.73	86.6	2.00	4.02	
Total Xylenes*	<0.150	0.150	07/23/2019	ND	5.23	87.2	6.00	3.74	
Total BTEX	<0.300	0.300	07/23/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/22/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2019	ND	212	106	200	1.46	
DRO >C10-C28*	<10.0	10.0	07/20/2019	ND	208	104	200	0.780	
EXT DRO >C28-C36	<10.0	10.0	07/20/2019	ND					

Surrogate: 1-Chlorooctane 127 % 41-142

Surrogate: 1-Chlorooctadecane 132 % 37.6-147

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: EH1 @ SURFACE (H902482-29)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2019	ND	1.78	88.8	2.00	4.65	
Toluene*	<0.050	0.050	07/23/2019	ND	1.82	90.9	2.00	4.26	
Ethylbenzene*	<0.050	0.050	07/23/2019	ND	1.73	86.6	2.00	4.02	
Total Xylenes*	<0.150	0.150	07/23/2019	ND	5.23	87.2	6.00	3.74	
Total BTEX	<0.300	0.300	07/23/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/22/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2019	ND	212	106	200	1.46	
DRO >C10-C28*	<10.0	10.0	07/20/2019	ND	208	104	200	0.780	
EXT DRO >C28-C36	<10.0	10.0	07/20/2019	ND					

Surrogate: 1-Chlorooctane 126 % 41-142

Surrogate: 1-Chlorooctadecane 131 % 37.6-147

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: EH1 @ 1' (H902482-30)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2019	ND	1.78	88.8	2.00	4.65	
Toluene*	<0.050	0.050	07/23/2019	ND	1.82	90.9	2.00	4.26	
Ethylbenzene*	<0.050	0.050	07/23/2019	ND	1.73	86.6	2.00	4.02	
Total Xylenes*	<0.150	0.150	07/23/2019	ND	5.23	87.2	6.00	3.74	
Total BTEX	<0.300	0.300	07/23/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/22/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2019	ND	212	106	200	1.46	
DRO >C10-C28*	<10.0	10.0	07/20/2019	ND	208	104	200	0.780	
EXT DRO >C28-C36	<10.0	10.0	07/20/2019	ND					

Surrogate: 1-Chlorooctane 115 % 41-142

Surrogate: 1-Chlorooctadecane 119 % 37.6-147

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: EH2 @ SURFACE (H902482-31)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2019	ND	1.78	88.8	2.00	4.65	
Toluene*	<0.050	0.050	07/23/2019	ND	1.82	90.9	2.00	4.26	
Ethylbenzene*	<0.050	0.050	07/23/2019	ND	1.73	86.6	2.00	4.02	
Total Xylenes*	<0.150	0.150	07/23/2019	ND	5.23	87.2	6.00	3.74	
Total BTEX	<0.300	0.300	07/23/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/22/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2019	ND	212	106	200	1.46	
DRO >C10-C28*	<10.0	10.0	07/20/2019	ND	208	104	200	0.780	
EXT DRO >C28-C36	<10.0	10.0	07/20/2019	ND					

Surrogate: 1-Chlorooctane 120 % 41-142

Surrogate: 1-Chlorooctadecane 122 % 37.6-147

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Analytical Results For:

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 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: EH2 @ 1' (H902482-32)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2019	ND	1.78	88.8	2.00	4.65	
Toluene*	<0.050	0.050	07/23/2019	ND	1.82	90.9	2.00	4.26	
Ethylbenzene*	<0.050	0.050	07/23/2019	ND	1.73	86.6	2.00	4.02	
Total Xylenes*	<0.150	0.150	07/23/2019	ND	5.23	87.2	6.00	3.74	
Total BTEX	<0.300	0.300	07/23/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/22/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2019	ND	212	106	200	1.46	
DRO >C10-C28*	<10.0	10.0	07/20/2019	ND	208	104	200	0.780	
EXT DRO >C28-C36	<10.0	10.0	07/20/2019	ND					

Surrogate: 1-Chlorooctane 122 % 41-142

Surrogate: 1-Chlorooctadecane 126 % 37.6-147

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Analytical Results For:

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

Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: WH1 @ SURFACE (H902482-33)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/23/2019	ND	1.78	88.8	2.00	4.65		
Toluene*	<0.050	0.050	07/23/2019	ND	1.82	90.9	2.00	4.26		
Ethylbenzene*	<0.050	0.050	07/23/2019	ND	1.73	86.6	2.00	4.02		
Total Xylenes*	<0.150	0.150	07/23/2019	ND	5.23	87.2	6.00	3.74		
Total BTEX	<0.300	0.300	07/23/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	07/22/2019	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/20/2019	ND	212	106	200	1.46		
DRO >C10-C28*	<10.0	10.0	07/20/2019	ND	208	104	200	0.780		
EXT DRO >C28-C36	<10.0	10.0	07/20/2019	ND						

Surrogate: 1-Chlorooctane 121 % 41-142

Surrogate: 1-Chlorooctadecane 125 % 37.6-147

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Analytical Results For:

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 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: WH1 @ 1' (H902482-34)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2019	ND	1.74	87.0	2.00	2.24	
Toluene*	<0.050	0.050	07/24/2019	ND	1.77	88.6	2.00	2.18	
Ethylbenzene*	<0.050	0.050	07/24/2019	ND	1.69	84.3	2.00	2.24	
Total Xylenes*	<0.150	0.150	07/24/2019	ND	5.08	84.7	6.00	2.60	
Total BTEX	<0.300	0.300	07/24/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

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	07/22/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2019	ND	212	106	200	1.46	
DRO >C10-C28*	<10.0	10.0	07/20/2019	ND	208	104	200	0.780	
EXT DRO >C28-C36	<10.0	10.0	07/20/2019	ND					

Surrogate: 1-Chlorooctane 117 % 41-142

Surrogate: 1-Chlorooctadecane 121 % 37.6-147

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Analytical Results For:

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 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: WH2 @ SURFACE (H902482-35)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2019	ND	1.74	87.0	2.00	2.24	
Toluene*	<0.050	0.050	07/24/2019	ND	1.77	88.6	2.00	2.18	
Ethylbenzene*	<0.050	0.050	07/24/2019	ND	1.69	84.3	2.00	2.24	
Total Xylenes*	<0.150	0.150	07/24/2019	ND	5.08	84.7	6.00	2.60	
Total BTEX	<0.300	0.300	07/24/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	07/22/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2019	ND	212	106	200	1.46	
DRO >C10-C28*	<10.0	10.0	07/20/2019	ND	208	104	200	0.780	
EXT DRO >C28-C36	<10.0	10.0	07/20/2019	ND					

Surrogate: 1-Chlorooctane 120 % 41-142

Surrogate: 1-Chlorooctadecane 124 % 37.6-147

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/18/2019	Sampling Date:	07/15/2019
Reported:	07/25/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	C, 28,23S,35E,LEA - 10768	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: WH2 @ 1' (H902482-36)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2019	ND	1.74	87.0	2.00	2.24	
Toluene*	<0.050	0.050	07/24/2019	ND	1.77	88.6	2.00	2.18	
Ethylbenzene*	<0.050	0.050	07/24/2019	ND	1.69	84.3	2.00	2.24	
Total Xylenes*	<0.150	0.150	07/24/2019	ND	5.08	84.7	6.00	2.60	
Total BTEX	<0.300	0.300	07/24/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/22/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2019	ND	194	96.8	200	1.17	
DRO >C10-C28*	<10.0	10.0	07/22/2019	ND	184	92.2	200	0.398	
EXT DRO >C28-C36	<10.0	10.0	07/22/2019	ND					

Surrogate: 1-Chlorooctane 87.9 % 41-142

Surrogate: 1-Chlorooctadecane 96.4 % 37.6-147

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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Goodnight Midstream Permian, LLC Project Manager: Daniel Dominguez Address: 3100 Plains Hwy City: Lovington State: NM Zip: 88260 Phone #: 575-396-2378 Fax #: 575-396-1429 Project #: 10765 Project Owner: Goodnight Midstream Permian Project Name: Serrano Project Location: "C", 28, 23S, 35E, Lea Sampler Name: Caitina Villa, Shawn Cotton			BILL TO P.O. #: _____ Company: Etech Environmental & Safety Attn: Daniel Dominguez Address: P.O. Box 301 City: Lovington State: NM Zip: 88260 Phone #: 575-396-2378 Fax #: 575-396-1429																
Lab I.D. Sample I.D. HQ02482	1 SP#9@1'	(G)RAB OR (C)OMF	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	Chloride	TPH	BTEX 8021								
	2 SP#14@1'	G	1	X			7/15/19		X	X	X								
	3 SP#15@1'	G	1	X			7/15/19		X	X	X								
	4 SP#16@2'	G	1	X			7/15/19		X	X	X								
	5 SP#17@1'	G	1	X			7/15/19		X	X	X								
	6 SP#18@1'	G	1	X			7/15/19		X	X	X								
	7 SP#19@1'	G	1	X			7/15/19		X	X	X								
	8 SP#20@1'	G	1	X			7/15/19		X	X	X								
	9 SP#21@1'	G	1	X			7/15/19		X	X	X								
	10 SP#22@1'	G	1	X			7/15/19		X	X	X								

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Relinquished By: *Caitina Villa* Date: 6/18/19 Received By: *Shawn Cotton* Time: 2:00

Relinquished By: *[Signature]* Date: 7/18/19 Received By: *[Signature]* Time: 4:27 pm

Delivered By: (Circle One) UPS Bus Other *Collected 1:42*

Sample Condition: Cool Intact Yes No

CHECKED BY: *[Signature]* (Initials) *TC*

REMARKS: email results to danield@etechnv.com

Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____

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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

24 Jo 04 e9d

BILL TO

ANALYSIS REQUEST

Company Name: Goodnight Midstream Permian, LLC Project Manager: Daniel Dominguez		P.O. #: Company: Etech Environmental & Sa Attn: Daniel Dominguez	
Address: 3100 Plains Hwy City: Lovington State: NM Zip: 88260		Address: P.O. Box 301 City: Lovington State: NM Zip: 88260	
Phone #: 575-396-2378 Fax #: 575-396-1429		Phone #: 575-396-2378 Fax #: 575-396-1429	
Project #: 15769 Project Owner: Goodnight Midstream Pe		City: Lovington State: NM Zip: 88260	
Project Name: Serrano		Phone #: 575-396-2378 Fax #: 575-396-1429	
Project Location: "C", 28, 23S, 35E, Lea		Phone #: 575-396-2378 Fax #: 575-396-1429	
Sampler Name: Catrina Villa, Shawn Cotton		FOR LAB USE ONLY	
Lab I.D. Sample I.D.			
H902482		(G)GRAB OR (C)OMP.	
11 SP#23@1'		# CONTAINERS	
12 SP#24@1'		GROUNDWATER	
13 SP#25@1'		WASTEWATER	
14 SP#26@1'		SOIL	
15 SP#27@1'		OIL	
16 SP#28@1'		SLUDGE	
17 SP#29@1'		OTHER :	
18 SP#30@1'		ACID/BASE:	
19 SP#31@2'		ICE / COOL	
20 SP#32@1'		OTHER :	
		DATE	
		TIME	
		Chloride	
		TPH	
		BTEX 8021	

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Relinquished By: *Coelina Villa*
 Date: 07.18.19
 Time: 2:06

Relinquished By: *[Signature]*
 Date: 7/18/19
 Time: 4:21

Delivered By: (Circle One) *UPS*
 Sampler - UPS - Bus - Other: *Printed 1.42*

Received By: *[Signature]*
 Date: 7/18/19
 Time: 4:21

Received By: *[Signature]*
 Date: 7/18/19
 Time: 4:21

Sample Condition: Cool Intact
 Yes No

REMARKS: email results to danield@etechenv.com

Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

24 of 14 page

Company Name: Goodnight Midstream Permian, LLC Project Manager: Daniel Dominguez		P.O. #: Company: Etech Environmental & Sa Attn: Daniel Dominguez Address: P.O. Box 301 City: Lovington State: NM Zip: 88260		BILL TO		ANALYSIS REQUEST											
Address: 3100 Plains Hwy City: Lovington State: NM Zip: 88260 Phone #: 575-396-2378 Fax #: 575-396-1429 Project #: 15718 Project Owner: Goodnight Midstream Pe Project Name: Serrano Project Location: "C", 28, 23S, 35E, Lea Sampler Name: Catlina Villa, Shawn Cotton		FOR LAB USE ONLY		Fax #: 575-396-1429 Phone #: 575-396-2378													
Lab I.D. HQ02482		Sample I.D. (G)RAB OR (C)OMP.		# CONTAINERS		MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :		PRESERV. ACID/BASE: ICE / COOL OTHER :		SAMPLING DATE TIME		Chloride TPH BTEX 8021					
21		NH1@Surface'		G 1		X		X		7/15/19		X					
22		NH1@1'		G 1		X		X		7/15/19		X					
23		NH2@Surface'		G 1		X		X		7/15/19		X					
24		NH2@1'		G 1		X		X		7/15/19		X					
25		SH1@Surface'		G 1		X		X		7/15/19		X					
26		SH1@1'		G 1		X		X		7/15/19		X					
27		SH2@Surface'		G 1		X		X		7/15/19		X					
28		SH2@1'		G 1		X		X		7/15/19		X					
29		EH1@Surface'		G 1		X		X		7/15/19		X					
30		EH1@1'		G 1		X		X		7/15/19		X					

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Relinquished By: *Catalina Villa*
 Date: 7-18-19
 Time: 2:00
Received By: *Shawn Cotton*
 Date: 7/18/19
 Time: 9:27
Delivered By: (Circle One) *1.03*
Sampler - UPS - Bus - Other: *Estimated 1.42*
 Sample Condition: Cool Intact
 Yes No
 CHECKED BY: *AS* (Initials)

REMARKS: email results to danield@etechnv.com
 Phone Result: Yes No
 Fax Result: Yes No
 Add'l Phone #: _____
 Add'l Fax #: _____



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Goodnight Midstream Permian, LLC
Project Manager: Daniel Dominguez
Address: 3100 Plains Hwy
City: Lovington **State:** NM **Zip:** 88260
Phone #: 575-396-2378 **Fax #:** 575-396-1429
Project #: 10768 **Project Owner:** Goodnight Midstream Permian
Project Name: Serrano
Project Location: "C", 28, 23S, 35E, Lea
Sampler Name: Callina Villa, Shawn Cotton
FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	Chloride	TPH	BTEX 8021
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
H902482	31	EH2@Surface'	G	1	X											
	32	EH2@1'	G	1	X											
	33	WH1@Surface'	G	1	X											
	34	WH1@1'	G	1	X											
	35	WH2@Surface'	G	1	X											
	36	WH2@1'	G	1	X											

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Relinquished By: *Callina Villa*
Date: 8-18-19
Time: 2:00
Received By: *Samanta Black*
Date: 7/15/19
Time: 4:27
Delivered By: (Circle One) UPS Bus Other
Sample Condition
 Cool Intact
 Sample Condition Checked BY: (Initials) *SV*

REMARKS: email results to danield@etecheny.com
Phone Result: Yes No **Add'l Phone #:**
Fax Result: Yes No **Add'l Fax #:**

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July 11, 2019

DANIEL DOMINGUEZ

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: SERRANO

Enclosed are the results of analyses for samples received by the laboratory on 07/08/19 9:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, flowing "C" at the beginning.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/08/2019	Sampling Date:	07/03/2019
Reported:	07/11/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP 1 (H902305-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13000	16.0	07/10/2019	ND	416	104	400	0.00	

Sample ID: SP 2 (H902305-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15200	16.0	07/10/2019	ND	416	104	400	0.00	

Sample ID: SP 3 (H902305-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	26000	16.0	07/10/2019	ND	416	104	400	0.00	

Sample ID: SP 4 (H902305-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	47200	16.0	07/10/2019	ND	416	104	400	0.00	

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Analytical Results For:

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

Received:	07/08/2019	Sampling Date:	07/03/2019
Reported:	07/11/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP 5 (H902305-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	42400	16.0	07/10/2019	ND	416	104	400	0.00	

Sample ID: SP 6 (H902305-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7600	16.0	07/10/2019	ND	416	104	400	0.00	

Sample ID: SP 7 (H902305-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8660	16.0	07/10/2019	ND	416	104	400	0.00	

Sample ID: SP 8 (H902305-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	30800	16.0	07/10/2019	ND	416	104	400	0.00	

Sample ID: SP 9 (H902305-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	46400	16.0	07/10/2019	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/08/2019	Sampling Date:	07/03/2019
Reported:	07/11/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP 10 (H902305-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	31200	16.0	07/10/2019	ND	416	104	400	0.00	

Sample ID: SP 11 (H902305-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	88800	16.0	07/10/2019	ND	416	104	400	0.00	

Sample ID: SP 12 (H902305-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	26000	16.0	07/10/2019	ND	416	104	400	0.00	

Sample ID: SP 13 (H902305-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	88000	16.0	07/10/2019	ND	416	104	400	0.00	

Sample ID: SP 14 (H902305-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	22600	16.0	07/10/2019	ND	400	100	400	3.92	QM-07

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/08/2019	Sampling Date:	07/03/2019
Reported:	07/11/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP 15 (H902305-15)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	30400	16.0	07/10/2019	ND	400	100	400	3.92	

Sample ID: SP 16 (H902305-16)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9800	16.0	07/10/2019	ND	400	100	400	3.92	

Sample ID: SP 17 (H902305-17)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	07/10/2019	ND	400	100	400	3.92	

Sample ID: SP 18 (H902305-18)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	53600	16.0	07/10/2019	ND	400	100	400	3.92	

Sample ID: SP 19 (H902305-19)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48000	16.0	07/10/2019	ND	400	100	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/08/2019	Sampling Date:	07/03/2019
Reported:	07/11/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP 20 (H902305-20)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	23000	16.0	07/10/2019	ND	400	100	400	3.92	

Sample ID: SP 21 (H902305-21)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	17200	16.0	07/10/2019	ND	400	100	400	3.92	

Sample ID: SP 22 (H902305-22)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3440	16.0	07/10/2019	ND	400	100	400	3.92	

Sample ID: SP 23 (H902305-23)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	24800	16.0	07/10/2019	ND	400	100	400	3.92	

Sample ID: SP 24 (H902305-24)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32400	16.0	07/10/2019	ND	400	100	400	3.92	

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Analytical Results For:

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

Received:	07/08/2019	Sampling Date:	07/03/2019
Reported:	07/11/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP 25 (H902305-25)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	46400	16.0	07/10/2019	ND	400	100	400	3.92	

Sample ID: SP 26 (H902305-26)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	40000	16.0	07/10/2019	ND	400	100	400	3.92	

Sample ID: SP 27 (H902305-27)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	78400	16.0	07/10/2019	ND	400	100	400	3.92	

Sample ID: SP 28 (H902305-28)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	26800	16.0	07/10/2019	ND	400	100	400	3.92	

Sample ID: SP 29 (H902305-29)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15600	16.0	07/10/2019	ND	400	100	400	3.92	

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Analytical Results For:

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

Received:	07/08/2019	Sampling Date:	07/03/2019
Reported:	07/11/2019	Sampling Type:	Soil
Project Name:	SERRANO	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

Sample ID: SP 30 (H902305-30)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	34400	16.0	07/10/2019	ND	400	100	400	3.92	

Sample ID: SP 31 (H902305-31)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	92800	16.0	07/10/2019	ND	400	100	400	3.92	

Sample ID: SP 32 (H902305-32)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10600	16.0	07/10/2019	ND	400	100	400	3.92	

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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <i>Etech Environmental</i>		BILL TO		ANALYSIS REQUEST											
Project Manager: <i>Daniel Dominguez</i>		P.O. #:		Chlorides TPH 8015 M BTEX											
Address: <i>3100 Plains Hwy</i>		Company:													
City: <i>Lovington</i> State: <i>NM</i> Zip: <i>88260</i>		Attn:													
Phone #: Fax #:		Address:													
Project #: Project Owner: <i>Goodnight</i>		City:													
Project Name: <i>Serrano</i>		State: Zip:													
Project Location:		Phone #:													
Sampler Name: <i>Daniel</i>		Fax #:													

Lab I.D.	Sample I.D.	GIRAB OR (COMP. # CONTAINERS	MATRIX						PRESERV.		SAMPLING		DATE	TIME
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL	OTHER:			
<i>H902305</i>														
<i>1</i>	<i>SP1</i>	<i>G 1</i>			<i>X</i>					<i>X</i>		<i>7/3/19</i>		<i>X</i>
<i>2</i>	<i>SP2</i>	<i>G 1</i>			<i>X</i>					<i>X</i>		<i>7/3/19</i>		<i>X</i>
<i>3</i>	<i>SP3</i>	<i>G 1</i>			<i>X</i>					<i>X</i>		<i>7/3/19</i>		<i>X</i>
<i>4</i>	<i>SP4</i>	<i>G 1</i>			<i>X</i>					<i>X</i>		<i>7/3/19</i>		<i>X</i>
<i>5</i>	<i>SP5</i>	<i>G 1</i>			<i>X</i>					<i>X</i>		<i>7/3/19</i>		<i>X</i>
<i>6</i>	<i>SP6</i>	<i>G 1</i>			<i>X</i>					<i>X</i>		<i>7/3/19</i>		<i>X</i>
<i>7</i>	<i>SP7</i>	<i>G 1</i>			<i>X</i>					<i>X</i>		<i>7/3/19</i>		<i>X</i>
<i>8</i>	<i>SP8</i>	<i>G 1</i>			<i>X</i>					<i>X</i>		<i>7/3/19</i>		<i>X</i>
<i>9</i>	<i>SP9</i>	<i>G 1</i>			<i>X</i>					<i>X</i>		<i>7/3/19</i>		<i>X</i>
<i>10</i>	<i>SP10</i>	<i>G 1</i>			<i>X</i>					<i>X</i>		<i>7/3/19</i>		<i>X</i>

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Relinquished By: <i>Dan Dominguez</i>	Date: <i>7/3/19</i> Time: <i>9:05</i>	Received By: <i>Jenara Oldat</i>	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <i>-0.9c H97</i>		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <i>TO.</i>	
REMARKS: email results! <i>DanielD@etechenv.com</i>				

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Etech Environmental</u>			BILL TO		ANALYSIS REQUEST													
Project Manager: <u>Daniel Dominguez</u>			P.O. #:		Chlorides TPH 8015 M BTEX													
Address:			Company:															
City:	State:	Zip:	Attn:															
Phone #:	Fax #:	Address:																
Project #:	Project Owner: <u>Goodnight</u>		City:															
Project Name: <u>Serrano</u>			State:														Zip:	
Project Location:			Phone #:															
Sampler Name: <u>Daniel</u>			Fax #:															

FOR LAB USE ONLY		(G)RABOR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		DATE	TIME
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :			
<u>H902305</u>															
<u>11</u>	<u>SP11</u>	<u>G</u>	<u>1</u>			X				X			<u>7-3-19</u>		X
<u>12</u>	<u>SP12</u>	<u>G</u>	<u>1</u>			X				X					X
<u>13</u>	<u>SP13</u>	<u>G</u>	<u>1</u>			X				X					X
<u>14</u>	<u>SP14</u>	<u>G</u>	<u>1</u>			X				X					X
<u>15</u>	<u>SP15</u>	<u>G</u>	<u>1</u>			X				X					X
<u>16</u>	<u>SP16</u>	<u>G</u>	<u>1</u>			X				X					X
<u>17</u>	<u>SP17</u>	<u>G</u>	<u>1</u>			X				X					X
<u>18</u>	<u>SP18</u>	<u>G</u>	<u>1</u>			X				X					X
<u>19</u>	<u>SP19</u>	<u>G</u>	<u>1</u>			X				X					X
<u>20</u>	<u>SP20</u>	<u>G</u>	<u>1</u>			X				X					X

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Relinquished By: <u>D. Dominguez</u>		Date: <u>7-8-19</u>	Received By: <u>Jamara Oldaker</u>	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
		Time: <u>9:05</u>		Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Relinquished By:		Date:	Received By:	REMARKS: email results <u>daniel.d@etechenv.com</u>	
		Time:			
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <u>-0.9c #497</u>			Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CHECKED BY: (Initials) <u>TD</u>	

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Etech Environmental</u>		BILL TO		ANALYSIS REQUEST																				
Project Manager: <u>Daniel Dominguez</u>		P.O. #:		Chlorides TPH 8015 M BTEX																				
Address:		Company:																						
City: State: Zip:		Attn:																						
Phone #: Fax #:		Address:																						
Project #: Project Owner: <u>Goodnight</u>		City:																						
Project Name: <u>Serrano</u>		State: Zip:																						
Project Location:		Phone #:																						
Sampler Name: <u>Daniel</u>		Fax #:																						
FOR LAB USE ONLY																								
Lab I.D.	Sample I.D.	(GRAB OR (C)OMP. # CONTAINERS	MATRIX											PRESERV.	SAMPLING									
<u>H902305</u>			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME											
<u>21</u>	<u>SP21</u>	<u>1</u>			X					X		<u>7-3-19</u>		X										
<u>22</u>	<u>SP22</u>	<u>1</u>			X					X				X										
<u>23</u>	<u>SP23</u>	<u>1</u>			X					X				X										
<u>24</u>	<u>SP24</u>	<u>1</u>			X					X				X										
<u>25</u>	<u>SP25</u>	<u>1</u>			X					X				X										
<u>26</u>	<u>SP26</u>	<u>1</u>			X					X				X										
<u>27</u>	<u>SP27</u>	<u>1</u>			X					X				X										
<u>28</u>	<u>SP28</u>	<u>1</u>			X					X				X										
<u>29</u>	<u>SP29</u>	<u>1</u>			X					X				X										
<u>30</u>	<u>SP30</u>	<u>1</u>			X					X				X										

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Relinquished By: <u>Dan Dominguez</u>		Date: <u>7-9-19</u>	Received By: <u>Jamara Oldaker</u>	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
Relinquished By:		Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)		Time: <u>9:05</u>		REMARKS:	
Sampler - UPS - Bus - Other:		<u>-0.9c H97</u>	Sample Condition	email results <u>DanielA@etechenv.com</u>	
			Cool Intact		
			<input type="checkbox"/> Yes <input type="checkbox"/> No		
			<input type="checkbox"/> Yes <input type="checkbox"/> No		
				<u>TD</u>	

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental
Project Manager: Daniel Dominguez
Address:
City: State: Zip:
Phone #: Fax #:
Project #: Project Owner: Gordon Light
Project Name: SERRANO
Project Location:
Sampler Name: Daniel
BILL TO ANALYSIS REQUEST

Table with columns: Lab I.D., Sample I.D., # CONTAINERS, MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV. (ACID/BASE, ICE / COOL, OTHER), SAMPLING (DATE, TIME), Chlorides, TPH 8015 M, BTEX.

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Relinquished By: [Signature] Date: 7-8-19
Received By: [Signature] Date: 7-05
Phone Result: [] Yes [x] No
Fax Result: [] Yes [x] No
REMARKS: email results danield@etechenv.com
Delivered By: (Circle One) Sampler - UPS - Bus - Other: -0.9c #97
Sample Condition Cool Intact [x] Yes [] No [x] Yes [] No
CHECKED BY: (Initials) JO.

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



Certificate of Analysis Summary 655398

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Serrano

Project Id: 10786
Contact: Joel Lowry
Project Location: Lea County

Date Received in Lab: Thu Mar-12-20 12:00 am
Report Date: 16-MAR-20
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	655398-001	655398-002	655398-003	655398-004	655398-005	655398-006
	<i>Field Id:</i>	#1	#2	#3	#4	#5	#6
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Mar-09-20 00:00					
Chloride by EPA 300	<i>Extracted:</i>	Mar-12-20 13:40	Mar-12-20 13:40	Mar-12-20 14:00	Mar-12-20 14:00	Mar-12-20 14:00	Mar-12-20 14:00
	<i>Analyzed:</i>	Mar-12-20 20:58	Mar-12-20 21:04	Mar-12-20 14:30	Mar-12-20 14:46	Mar-12-20 14:51	Mar-12-20 14:56
	<i>Units/RL:</i>	mg/kg RL					
Chloride		585 LF 4.95	310 LF 5.00	97.8 5.04	223 4.98	40.4 4.96	127 4.97

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Jessica Kramer

Jessica Kramer
Project Manager



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<i>Analysis Requested</i>	<i>Lab Id:</i>	655398-007	655398-008	655398-009	655398-010	655398-011	655398-012
	<i>Field Id:</i>	#7	#8	#9	#10	#11	#12
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Mar-09-20 00:00					
Chloride by EPA 300	<i>Extracted:</i>	Mar-12-20 14:00					
	<i>Analyzed:</i>	Mar-12-20 15:01	Mar-12-20 15:17	Mar-12-20 15:22	Mar-12-20 15:28	Mar-12-20 15:33	Mar-12-20 15:38
	<i>Units/RL:</i>	mg/kg RL					
Chloride		81.2 5.00	236 5.00	410 5.00	150 5.02	5.16 5.05	8.71 5.03

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<i>Analysis Requested</i>	<i>Lab Id:</i>	655398-013	655398-014	655398-015	655398-016	655398-017	655398-018
	<i>Field Id:</i>	#13	#14	#15	#16	#17	#18
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Mar-09-20 00:00					
Chloride by EPA 300	<i>Extracted:</i>	Mar-12-20 14:00					
	<i>Analyzed:</i>	Mar-12-20 15:43	Mar-12-20 15:59	Mar-12-20 16:05	Mar-12-20 16:20	Mar-12-20 16:26	Mar-12-20 16:31
	<i>Units/RL:</i>	mg/kg RL					
Chloride		29.9 5.00	29.5 4.96	322 5.04	137 4.98	286 5.02	94.9 4.99

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<i>Analysis Requested</i>	<i>Lab Id:</i>	655398-019	655398-020	655398-021	655398-022	655398-023	655398-024
	<i>Field Id:</i>	#19	#20	#21	#22	#23	#24
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Mar-09-20 00:00					
Chloride by EPA 300	<i>Extracted:</i>	Mar-12-20 14:00	Mar-12-20 14:00	Mar-12-20 14:00	Mar-12-20 14:00	Mar-12-20 14:15	Mar-12-20 14:15
	<i>Analyzed:</i>	Mar-12-20 16:36	Mar-12-20 16:41	Mar-12-20 16:47	Mar-12-20 16:52	Mar-12-20 17:24	Mar-12-20 17:39
	<i>Units/RL:</i>	mg/kg RL					
Chloride		69.2 5.00	212 5.05	49.8 5.05	135 4.98	291 4.96	190 5.03

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<i>Analysis Requested</i>	<i>Lab Id:</i>	655398-025	655398-026	655398-027	655398-028	655398-029	655398-030
	<i>Field Id:</i>	#25	#26	#27	#28	#29	#30
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Mar-09-20 00:00					
Chloride by EPA 300	<i>Extracted:</i>	Mar-12-20 14:15					
	<i>Analyzed:</i>	Mar-12-20 17:45	Mar-12-20 17:50	Mar-12-20 17:55	Mar-12-20 18:11	Mar-12-20 18:16	Mar-12-20 18:22
	<i>Units/RL:</i>	mg/kg RL					
Chloride		201 5.01	111 4.99	280 4.95	23.0 4.97	109 5.03	78.7 4.96

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<i>Analysis Requested</i>	<i>Lab Id:</i>	655398-031	655398-032	655398-033	655398-034	655398-035	655398-036
	<i>Field Id:</i>	#31	#32	#33	#34	#35	#36
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Mar-09-20 00:00					
Chloride by EPA 300	<i>Extracted:</i>	Mar-12-20 14:15					
	<i>Analyzed:</i>	Mar-12-20 18:27	Mar-12-20 18:32	Mar-12-20 18:37	Mar-12-20 18:53	Mar-12-20 18:58	Mar-12-20 19:14
	<i>Units/RL:</i>	mg/kg RL					
Chloride		208 5.00	160 5.00	99.7 5.03	223 4.96	169 4.99	332 5.04

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<i>Analysis Requested</i>	<i>Lab Id:</i>	655398-037	655398-038	655398-039	655398-040	655398-041	655398-042
	<i>Field Id:</i>	#37	#38	#39	#40	#41	#42
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Mar-09-20 00:00					
Chloride by EPA 300	<i>Extracted:</i>	Mar-12-20 14:15					
	<i>Analyzed:</i>	Mar-12-20 19:19	Mar-12-20 19:25	Mar-12-20 19:30	Mar-12-20 19:35	Mar-12-20 19:40	Mar-12-20 19:46
	<i>Units/RL:</i>	mg/kg RL					
Chloride		176 4.99	62.4 4.97	<4.97 4.97	97.6 5.00	7.71 5.00	152 5.00

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<i>Analysis Requested</i>	<i>Lab Id:</i>	655398-043	655398-044	655398-045	655398-046	655398-047	655398-048
	<i>Field Id:</i>	#43	#44	#45	#46	#47	#48
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Mar-09-20 00:00					
Chloride by EPA 300	<i>Extracted:</i>	Mar-12-20 14:30					
	<i>Analyzed:</i>	Mar-12-20 20:17	Mar-12-20 20:33	Mar-12-20 20:38	Mar-12-20 20:44	Mar-12-20 20:49	Mar-12-20 21:05
	<i>Units/RL:</i>	mg/kg RL					
Chloride		62.4 5.00	257 4.96	376 5.03	483 4.98	93.3 4.99	141 5.04

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<i>Analysis Requested</i>	<i>Lab Id:</i>	655398-049	655398-050	655398-051	655398-052	655398-053	655398-054
	<i>Field Id:</i>	#49	#50	#51	#52	#53	#54
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Mar-09-20 00:00					
Chloride by EPA 300	<i>Extracted:</i>	Mar-12-20 14:30					
	<i>Analyzed:</i>	Mar-12-20 21:10	Mar-12-20 21:15	Mar-12-20 21:21	Mar-12-20 21:26	Mar-12-20 21:31	Mar-12-20 21:47
	<i>Units/RL:</i>	mg/kg RL					
Chloride		245 5.00	232 5.00	160 5.00	6.36 4.95	5.94 4.95	36.3 5.02

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<i>Analysis Requested</i>	<i>Lab Id:</i>	655398-055	655398-056	655398-057	655398-058	655398-059	655398-060
	<i>Field Id:</i>	#55	#56	#57	#58	#59	#60
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Mar-09-20 00:00					
Chloride by EPA 300	<i>Extracted:</i>	Mar-12-20 14:30					
	<i>Analyzed:</i>	Mar-12-20 21:52	Mar-12-20 22:08	Mar-12-20 22:13	Mar-12-20 22:19	Mar-12-20 22:24	Mar-12-20 22:29
	<i>Units/RL:</i>	mg/kg RL					
Chloride		<4.96 4.96	250 5.05	36.7 4.97	340 4.96	33.2 5.03	263 5.05

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<i>Analysis Requested</i>	<i>Lab Id:</i>	655398-061	655398-062	655398-063	655398-064	655398-065	655398-066
	<i>Field Id:</i>	#61	#62	#63	#64	#65	#66
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Mar-09-20 00:00					
Chloride by EPA 300	<i>Extracted:</i>	Mar-12-20 14:30	Mar-12-20 14:30	Mar-12-20 15:40	Mar-12-20 15:40	Mar-12-20 15:40	Mar-12-20 15:40
	<i>Analyzed:</i>	Mar-12-20 22:34	Mar-12-20 22:40	Mar-13-20 16:04	Mar-13-20 16:23	Mar-13-20 16:30	Mar-13-20 16:36
	<i>Units/RL:</i>	mg/kg RL					
Chloride		147 5.05	52.3 5.05	619 4.96	1270 25.2	105 4.98	87.7 5.05

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<i>Analysis Requested</i>	<i>Lab Id:</i>	655398-067	655398-068	655398-069	655398-070	655398-071	655398-072
	<i>Field Id:</i>	#67	#68	#69	#70	#71	#72
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Mar-09-20 00:00					
Chloride by EPA 300	<i>Extracted:</i>	Mar-12-20 15:40					
	<i>Analyzed:</i>	Mar-13-20 16:42	Mar-13-20 17:54	Mar-13-20 18:00	Mar-13-20 18:07	Mar-13-20 18:13	Mar-13-20 18:19
	<i>Units/RL:</i>	mg/kg RL					
Chloride		17.8 5.00	22.0 5.00	26.5 5.04	6.50 4.97	705 5.00	77.1 4.96

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<i>Analysis Requested</i>	<i>Lab Id:</i>	655398-073	655398-074	655398-075	655398-076	655398-077	655398-078
	<i>Field Id:</i>	#73	#74	#75	#76	#77	#78
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Mar-09-20 00:00					
Chloride by EPA 300	<i>Extracted:</i>	Mar-12-20 15:40					
	<i>Analyzed:</i>	Mar-13-20 18:26	Mar-13-20 18:45	Mar-13-20 18:51	Mar-13-20 19:10	Mar-13-20 19:16	Mar-13-20 19:23
	<i>Units/RL:</i>	mg/kg RL					
Chloride		20.5 X 5.03	300 4.96	167 4.99	495 5.00	272 5.04	125 5.01

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<i>Analysis Requested</i>	<i>Lab Id:</i>	655398-079	655398-080	655398-081	655398-082	655398-083	655398-084
	<i>Field Id:</i>	#79	#80	#81	#82	#83	#84
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Mar-09-20 00:00					
Chloride by EPA 300	<i>Extracted:</i>	Mar-12-20 15:40	Mar-12-20 15:40	Mar-12-20 15:40	Mar-12-20 15:40	Mar-12-20 16:05	Mar-12-20 16:05
	<i>Analyzed:</i>	Mar-13-20 19:29	Mar-13-20 19:35	Mar-13-20 19:42	Mar-13-20 19:48	Mar-13-20 09:02	Mar-13-20 09:21
	<i>Units/RL:</i>	mg/kg RL					
Chloride		271 4.96	30.2 4.99	112 5.00	9.82 5.02	<5.02 5.02	656 4.96

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<i>Analysis Requested</i>	<i>Lab Id:</i>	655398-085	655398-086	655398-087	655398-088	655398-089	655398-090
	<i>Field Id:</i>	#85	#86	#87	#88	#89	#90
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Mar-09-20 00:00					
Chloride by EPA 300	<i>Extracted:</i>	Mar-12-20 16:05					
	<i>Analyzed:</i>	Mar-13-20 09:27	Mar-13-20 09:33	Mar-13-20 09:40	Mar-13-20 09:59	Mar-13-20 10:05	Mar-13-20 10:11
	<i>Units/RL:</i>	mg/kg RL					
Chloride		11.5 4.99	207 5.05	51.5 4.99	15.7 4.95	31.3 5.00	124 5.04

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Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	655398-091	655398-092	655398-093	655398-094	655398-095	655398-096
	<i>Field Id:</i>	#91	#92	#93	#94	#95	#96
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Mar-09-20 00:00					
Chloride by EPA 300	<i>Extracted:</i>	Mar-12-20 16:05					
	<i>Analyzed:</i>	Mar-13-20 10:18	Mar-13-20 10:24	Mar-13-20 10:30	Mar-13-20 10:49	Mar-13-20 10:56	Mar-13-20 11:15
	<i>Units/RL:</i>	mg/kg RL					
Chloride		130 5.02	363 4.96	52.0 5.00	44.7 4.96	7.83 4.98	22.6 4.95

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Jessica Kramer

Jessica Kramer
Project Manager



Certificate of Analysis Summary 655398

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Serrano

Project Id: 10786
Contact: Joel Lowry
Project Location: Lea County

Date Received in Lab: Thu Mar-12-20 12:00 am
Report Date: 16-MAR-20
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	655398-097	655398-098	655398-099	655398-100	655398-101	655398-102
	<i>Field Id:</i>	#97	#98	#88	#100	#101	#102
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Mar-09-20 00:00					
Chloride by EPA 300	<i>Extracted:</i>	Mar-12-20 16:05					
	<i>Analyzed:</i>	Mar-13-20 11:21	Mar-13-20 11:28	Mar-13-20 11:34	Mar-13-20 11:40	Mar-13-20 11:47	Mar-13-20 11:53
	<i>Units/RL:</i>	mg/kg RL					
Chloride		45.2 4.95	60.2 5.04	1040 24.9	213 5.00	<5.00 5.00	7.33 5.03

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Project Name: Serrano

Project Id: 10786
Contact: Joel Lowry
Project Location: Lea County

Date Received in Lab: Thu Mar-12-20 12:00 am
Report Date: 16-MAR-20
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	655398-103	655398-104	655398-105	655398-106	655398-107	655398-108
	<i>Field Id:</i>	#103	#104	#105	#106	#107	#108
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Mar-09-20 00:00					
Chloride by EPA 300	<i>Extracted:</i>	Mar-12-20 16:15					
	<i>Analyzed:</i>	Mar-13-20 12:31	Mar-13-20 12:50	Mar-13-20 12:56	Mar-13-20 13:03	Mar-13-20 13:09	Mar-13-20 13:28
	<i>Units/RL:</i>	mg/kg RL					
Chloride		192 5.00	677 5.01	14.9 5.04	492 4.98	463 5.05	33.2 5.05

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Jessica Kramer

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Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Serrano

Project Id: 10786
Contact: Joel Lowry
Project Location: Lea County

Date Received in Lab: Thu Mar-12-20 12:00 am
Report Date: 16-MAR-20
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	655398-109	655398-110	655398-111	655398-112	655398-113	655398-114
	<i>Field Id:</i>	#109	#110	#111	#112	#113	#114
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Mar-09-20 00:00					
Chloride by EPA 300	<i>Extracted:</i>	Mar-12-20 16:15					
	<i>Analyzed:</i>	Mar-13-20 13:35	Mar-13-20 13:41	Mar-13-20 13:47	Mar-13-20 13:54	Mar-13-20 14:00	Mar-13-20 14:19
	<i>Units/RL:</i>	mg/kg RL					
Chloride		187 4.98	245 4.95	346 4.97	31.3 5.03	167 5.05	57.6 5.04

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Jessica Kramer

Jessica Kramer
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Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Serrano

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Contact: Joel Lowry
Project Location: Lea County

Date Received in Lab: Thu Mar-12-20 12:00 am
Report Date: 16-MAR-20
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	655398-115	655398-116	655398-117	655398-118	655398-119	655398-120
	<i>Field Id:</i>	#115	#116	#117	#118	#119	#120
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Mar-09-20 00:00					
Chloride by EPA 300	<i>Extracted:</i>	Mar-12-20 16:15					
	<i>Analyzed:</i>	Mar-13-20 14:25	Mar-13-20 14:44	Mar-13-20 14:51	Mar-13-20 14:57	Mar-13-20 15:03	Mar-13-20 15:10
	<i>Units/RL:</i>	mg/kg RL					
Chloride		190 4.96	245 5.00	267 5.05	457 5.00	470 25.0	224 5.00

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Jessica Kramer

Jessica Kramer
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Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Serrano

Project Id: 10786
Contact: Joel Lowry
Project Location: Lea County

Date Received in Lab: Thu Mar-12-20 12:00 am
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<i>Analysis Requested</i>	<i>Lab Id:</i>	655398-121	655398-122	655398-123	655398-124	655398-125	655398-126
	<i>Field Id:</i>	#121	#122	#123	#124	#125	#126
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Mar-09-20 00:00					
Chloride by EPA 300	<i>Extracted:</i>	Mar-12-20 16:15	Mar-12-20 16:15	Mar-12-20 17:45	Mar-12-20 17:45	Mar-12-20 17:45	Mar-12-20 17:45
	<i>Analyzed:</i>	Mar-13-20 15:16	Mar-13-20 15:22	Mar-12-20 23:11	Mar-12-20 23:27	Mar-12-20 23:32	Mar-12-20 23:38
	<i>Units/RL:</i>	mg/kg RL					
Chloride		450 5.03	388 4.98	151 5.00	268 4.96	384 5.00	52.6 4.99

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Project Name: Serrano

Project Id: 10786
Contact: Joel Lowry
Project Location: Lea County

Date Received in Lab: Thu Mar-12-20 12:00 am
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Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	655398-127	655398-128	655398-129	655398-130	655398-131	655398-132
	<i>Field Id:</i>	#127	#128	#129	#130	#131	#132
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Mar-09-20 00:00					
Chloride by EPA 300	<i>Extracted:</i>	Mar-12-20 17:45					
	<i>Analyzed:</i>	Mar-12-20 23:43	Mar-12-20 23:59	Mar-13-20 00:04	Mar-13-20 00:09	Mar-13-20 00:14	Mar-13-20 00:20
	<i>Units/RL:</i>	mg/kg RL					
Chloride		216 5.04	564 5.01	20.9 4.99	434 4.96	379 5.01	294 4.99

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Project Name: Serrano

Project Id: 10786
Contact: Joel Lowry
Project Location: Lea County

Date Received in Lab: Thu Mar-12-20 12:00 am
Report Date: 16-MAR-20
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	655398-133	655398-134	655398-135	655398-136	655398-137	655398-138
	<i>Field Id:</i>	#133	#134	#135	#136	#137	#138
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Mar-09-20 00:00					
Chloride by EPA 300	<i>Extracted:</i>	Mar-13-20 08:45					
	<i>Analyzed:</i>	Mar-13-20 09:26	Mar-13-20 09:41	Mar-13-20 09:47	Mar-13-20 09:52	Mar-13-20 09:57	Mar-13-20 10:13
	<i>Units/RL:</i>	mg/kg RL					
Chloride		202 4.97	313 5.05	203 5.02	121 5.05	16.5 4.96	83.4 4.99

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Project Name: Serrano

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Date Received in Lab: Thu Mar-12-20 12:00 am
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<i>Analysis Requested</i>	<i>Lab Id:</i>	655398-139	655398-140	655398-141	655398-142	655398-143	655398-144
	<i>Field Id:</i>	#139	#140	#141	#142	#143	#144
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Mar-09-20 00:00					
Chloride by EPA 300	<i>Extracted:</i>	Mar-13-20 08:45					
	<i>Analyzed:</i>	Mar-13-20 10:18	Mar-13-20 10:23	Mar-13-20 10:29	Mar-13-20 10:34	Mar-13-20 10:39	Mar-13-20 10:55
	<i>Units/RL:</i>	mg/kg RL					
Chloride		240 5.03	48.2 4.97	46.3 5.04	205 4.99	76.3 5.02	16.8 5.04

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Project Id: 10786
Contact: Joel Lowry
Project Location: Lea County

Date Received in Lab: Thu Mar-12-20 12:00 am
Report Date: 16-MAR-20
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<i>Analysis Requested</i>	<i>Lab Id:</i>	655398-145	655398-146	655398-147	655398-148	655398-149	655398-150
	<i>Field Id:</i>	#145	#146	#147	#148	#149	#150
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Mar-09-20 00:00					
Chloride by EPA 300	<i>Extracted:</i>	Mar-13-20 08:45					
	<i>Analyzed:</i>	Mar-13-20 11:00	Mar-13-20 11:16	Mar-13-20 11:21	Mar-13-20 11:27	Mar-13-20 11:32	Mar-13-20 11:37
	<i>Units/RL:</i>	mg/kg RL					
Chloride		514 4.98	311 4.99	168 5.00	14.6 4.98	11.8 4.96	108 5.03

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Jessica Kramer

Jessica Kramer
Project Manager



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Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Serrano

Project Id: 10786
Contact: Joel Lowry
Project Location: Lea County

Date Received in Lab: Thu Mar-12-20 12:00 am
Report Date: 16-MAR-20
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	655398-151	655398-152	655398-153	655398-154	655398-155	655398-156
	<i>Field Id:</i>	#151	#152	#153	#154	#155	#156
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Mar-09-20 00:00					
Chloride by EPA 300	<i>Extracted:</i>	Mar-13-20 08:45	Mar-13-20 08:45	Mar-13-20 13:50	Mar-13-20 13:50	Mar-13-20 13:50	Mar-13-20 13:50
	<i>Analyzed:</i>	Mar-13-20 11:42	Mar-13-20 11:48	Mar-13-20 14:15	Mar-13-20 14:31	Mar-13-20 14:36	Mar-13-20 14:42
	<i>Units/RL:</i>	mg/kg RL					
Chloride		552 4.98	36.9 5.02	53.2 5.05	36.7 4.99	14.0 4.97	175 4.98

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Project Name: Serrano

Project Id: 10786
Contact: Joel Lowry
Project Location: Lea County

Date Received in Lab: Thu Mar-12-20 12:00 am
Report Date: 16-MAR-20
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	655398-157	655398-158	655398-159	655398-160	655398-161	655398-162
	<i>Field Id:</i>	#157	#158	#159	#160	#161	#162
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Mar-09-20 00:00					
Chloride by EPA 300	<i>Extracted:</i>	Mar-13-20 13:50					
	<i>Analyzed:</i>	Mar-13-20 14:47	Mar-13-20 15:03	Mar-13-20 15:08	Mar-13-20 15:13	Mar-13-20 15:19	Mar-13-20 15:24
	<i>Units/RL:</i>	mg/kg RL					
Chloride		620 5.03	309 4.99	9.30 4.96	215 4.96	35.7 4.98	110 4.99

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Project Name: Serrano

Project Id: 10786
Contact: Joel Lowry
Project Location: Lea County

Date Received in Lab: Thu Mar-12-20 12:00 am
Report Date: 16-MAR-20
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	655398-163	655398-164	655398-165			
	<i>Field Id:</i>	#163	#164	#165			
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL			
	<i>Sampled:</i>	Mar-09-20 00:00	Mar-09-20 00:00	Mar-09-20 00:00			
Chloride by EPA 300	<i>Extracted:</i>	Mar-13-20 13:50	Mar-13-20 13:50	Mar-13-20 13:50			
	<i>Analyzed:</i>	Mar-13-20 15:29	Mar-13-20 15:45	Mar-13-20 16:06			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL			
Chloride		54.7 5.00	58.4 5.04	159 4.99			

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Jessica Kramer

Jessica Kramer
Project Manager

Analytical Report 655398
for
Etech Environmental & Safety Solution, Inc

Project Manager: Joel Lowry

Serrano

10786

16-MAR-20

Collected By: Client



1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-30), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (TX104704295-19-22), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-21)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)



16-MAR-20

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

Reference: XENCO Report No(s): **655398**
Serrano
Project Address: Lea County

Joel Lowry:

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 XENCO Report Number(s) 655398. 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 XENCO Laboratories. 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. 655398 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 XENCO Laboratories 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
Project Manager

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Etech Environmental & Safety Solution, Inc, Midland, TX

Serrano

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
#1	S	03-09-20 00:00		655398-001
#2	S	03-09-20 00:00		655398-002
#3	S	03-09-20 00:00		655398-003
#4	S	03-09-20 00:00		655398-004
#5	S	03-09-20 00:00		655398-005
#6	S	03-09-20 00:00		655398-006
#7	S	03-09-20 00:00		655398-007
#8	S	03-09-20 00:00		655398-008
#9	S	03-09-20 00:00		655398-009
#10	S	03-09-20 00:00		655398-010
#11	S	03-09-20 00:00		655398-011
#12	S	03-09-20 00:00		655398-012
#13	S	03-09-20 00:00		655398-013
#14	S	03-09-20 00:00		655398-014
#15	S	03-09-20 00:00		655398-015
#16	S	03-09-20 00:00		655398-016
#17	S	03-09-20 00:00		655398-017
#18	S	03-09-20 00:00		655398-018
#19	S	03-09-20 00:00		655398-019
#20	S	03-09-20 00:00		655398-020
#21	S	03-09-20 00:00		655398-021
#22	S	03-09-20 00:00		655398-022
#23	S	03-09-20 00:00		655398-023
#24	S	03-09-20 00:00		655398-024
#25	S	03-09-20 00:00		655398-025
#26	S	03-09-20 00:00		655398-026
#27	S	03-09-20 00:00		655398-027
#28	S	03-09-20 00:00		655398-028
#29	S	03-09-20 00:00		655398-029
#30	S	03-09-20 00:00		655398-030
#31	S	03-09-20 00:00		655398-031
#32	S	03-09-20 00:00		655398-032
#33	S	03-09-20 00:00		655398-033
#34	S	03-09-20 00:00		655398-034
#35	S	03-09-20 00:00		655398-035
#36	S	03-09-20 00:00		655398-036
#37	S	03-09-20 00:00		655398-037
#38	S	03-09-20 00:00		655398-038
#39	S	03-09-20 00:00		655398-039
#40	S	03-09-20 00:00		655398-040
#41	S	03-09-20 00:00		655398-041
#42	S	03-09-20 00:00		655398-042
#43	S	03-09-20 00:00		655398-043



Etech Environmental & Safety Solution, Inc, Midland, TX

Serrano

#44	S	03-09-20 00:00	655398-044
#45	S	03-09-20 00:00	655398-045
#46	S	03-09-20 00:00	655398-046
#47	S	03-09-20 00:00	655398-047
#48	S	03-09-20 00:00	655398-048
#49	S	03-09-20 00:00	655398-049
#50	S	03-09-20 00:00	655398-050
#51	S	03-09-20 00:00	655398-051
#52	S	03-09-20 00:00	655398-052
#53	S	03-09-20 00:00	655398-053
#54	S	03-09-20 00:00	655398-054
#55	S	03-09-20 00:00	655398-055
#56	S	03-09-20 00:00	655398-056
#57	S	03-09-20 00:00	655398-057
#58	S	03-09-20 00:00	655398-058
#59	S	03-09-20 00:00	655398-059
#60	S	03-09-20 00:00	655398-060
#61	S	03-09-20 00:00	655398-061
#62	S	03-09-20 00:00	655398-062
#63	S	03-09-20 00:00	655398-063
#64	S	03-09-20 00:00	655398-064
#65	S	03-09-20 00:00	655398-065
#66	S	03-09-20 00:00	655398-066
#67	S	03-09-20 00:00	655398-067
#68	S	03-09-20 00:00	655398-068
#69	S	03-09-20 00:00	655398-069
#70	S	03-09-20 00:00	655398-070
#71	S	03-09-20 00:00	655398-071
#72	S	03-09-20 00:00	655398-072
#73	S	03-09-20 00:00	655398-073
#74	S	03-09-20 00:00	655398-074
#75	S	03-09-20 00:00	655398-075
#76	S	03-09-20 00:00	655398-076
#77	S	03-09-20 00:00	655398-077
#78	S	03-09-20 00:00	655398-078
#79	S	03-09-20 00:00	655398-079
#80	S	03-09-20 00:00	655398-080
#81	S	03-09-20 00:00	655398-081
#82	S	03-09-20 00:00	655398-082
#83	S	03-09-20 00:00	655398-083
#84	S	03-09-20 00:00	655398-084
#85	S	03-09-20 00:00	655398-085
#86	S	03-09-20 00:00	655398-086
#87	S	03-09-20 00:00	655398-087



Etech Environmental & Safety Solution, Inc, Midland, TX

Serrano

#88	S	03-09-20 00:00	655398-088
#89	S	03-09-20 00:00	655398-089
#90	S	03-09-20 00:00	655398-090
#91	S	03-09-20 00:00	655398-091
#92	S	03-09-20 00:00	655398-092
#93	S	03-09-20 00:00	655398-093
#94	S	03-09-20 00:00	655398-094
#95	S	03-09-20 00:00	655398-095
#96	S	03-09-20 00:00	655398-096
#97	S	03-09-20 00:00	655398-097
#98	S	03-09-20 00:00	655398-098
#88	S	03-09-20 00:00	655398-099
#100	S	03-09-20 00:00	655398-100
#101	S	03-09-20 00:00	655398-101
#102	S	03-09-20 00:00	655398-102
#103	S	03-09-20 00:00	655398-103
#104	S	03-09-20 00:00	655398-104
#105	S	03-09-20 00:00	655398-105
#106	S	03-09-20 00:00	655398-106
#107	S	03-09-20 00:00	655398-107
#108	S	03-09-20 00:00	655398-108
#109	S	03-09-20 00:00	655398-109
#110	S	03-09-20 00:00	655398-110
#111	S	03-09-20 00:00	655398-111
#112	S	03-09-20 00:00	655398-112
#113	S	03-09-20 00:00	655398-113
#114	S	03-09-20 00:00	655398-114
#115	S	03-09-20 00:00	655398-115
#116	S	03-09-20 00:00	655398-116
#117	S	03-09-20 00:00	655398-117
#118	S	03-09-20 00:00	655398-118
#119	S	03-09-20 00:00	655398-119
#120	S	03-09-20 00:00	655398-120
#121	S	03-09-20 00:00	655398-121
#122	S	03-09-20 00:00	655398-122
#123	S	03-09-20 00:00	655398-123
#124	S	03-09-20 00:00	655398-124
#125	S	03-09-20 00:00	655398-125
#126	S	03-09-20 00:00	655398-126
#127	S	03-09-20 00:00	655398-127
#128	S	03-09-20 00:00	655398-128
#129	S	03-09-20 00:00	655398-129
#130	S	03-09-20 00:00	655398-130
#131	S	03-09-20 00:00	655398-131



Sample Cross Reference 655398

Etech Environmental & Safety Solution, Inc, Midland, TX

Serrano

#132	S	03-09-20 00:00	655398-132
#133	S	03-09-20 00:00	655398-133
#134	S	03-09-20 00:00	655398-134
#135	S	03-09-20 00:00	655398-135
#136	S	03-09-20 00:00	655398-136
#137	S	03-09-20 00:00	655398-137
#138	S	03-09-20 00:00	655398-138
#139	S	03-09-20 00:00	655398-139
#140	S	03-09-20 00:00	655398-140
#141	S	03-09-20 00:00	655398-141
#142	S	03-09-20 00:00	655398-142
#143	S	03-09-20 00:00	655398-143
#144	S	03-09-20 00:00	655398-144
#145	S	03-09-20 00:00	655398-145
#146	S	03-09-20 00:00	655398-146
#147	S	03-09-20 00:00	655398-147
#148	S	03-09-20 00:00	655398-148
#149	S	03-09-20 00:00	655398-149
#150	S	03-09-20 00:00	655398-150
#151	S	03-09-20 00:00	655398-151
#152	S	03-09-20 00:00	655398-152
#153	S	03-09-20 00:00	655398-153
#154	S	03-09-20 00:00	655398-154
#155	S	03-09-20 00:00	655398-155
#156	S	03-09-20 00:00	655398-156
#157	S	03-09-20 00:00	655398-157
#158	S	03-09-20 00:00	655398-158
#159	S	03-09-20 00:00	655398-159
#160	S	03-09-20 00:00	655398-160
#161	S	03-09-20 00:00	655398-161
#162	S	03-09-20 00:00	655398-162
#163	S	03-09-20 00:00	655398-163
#164	S	03-09-20 00:00	655398-164
#165	S	03-09-20 00:00	655398-165



CASE NARRATIVE

Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Serrano

Project ID: 10786
Work Order Number(s): 655398

Report Date: 16-MAR-20
Date Received: 03/12/2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3119502 Chloride by EPA 300

Chloride Matrix Spike and Matrix Spike Duplicate confirm data for the analytical batch.

Samples in the analytical batch are: 655398-001, -002

Chloride recovered below QC limits in the Blank Spike Duplicate due to mis-injection. Samples in the analytical batch are: 655398-001, -002.

Batch: LBA-3119654 Chloride by EPA 300

Lab Sample ID 655398-073 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: 655398-063, -064, -065, -066, -067, -068, -069, -070, -071, -072, -073, -074, -075, -076, -077, -078, -079, -080, -081, -082.

The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.



Certificate of Analytical Results 655398



Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #1 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-001 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 13.40 Basis: Wet Weight
 Seq Number: 3119502

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	585	4.95	mg/kg	03.12.20 20.58	LF	1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #3	Matrix: Soil	Date Received: 03.12.20 00.00
Lab Sample Id: 655398-003	Date Collected: 03.09.20 00.00	
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 03.12.20 14.00	Basis: Wet Weight
Seq Number: 3119521		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	97.8	5.04	mg/kg	03.12.20 14.30		1



Certificate of Analytical Results 655398



Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #4	Matrix: Soil	Date Received: 03.12.20 00.00
Lab Sample Id: 655398-004	Date Collected: 03.09.20 00.00	
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 03.12.20 14.00	Basis: Wet Weight
Seq Number: 3119521		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	223	4.98	mg/kg	03.12.20 14.46		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #5 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-005 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.00 Basis: Wet Weight
 Seq Number: 3119521

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	40.4	4.96	mg/kg	03.12.20 14.51		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #6 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-006 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.00 Basis: Wet Weight
 Seq Number: 3119521

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	127	4.97	mg/kg	03.12.20 14.56		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #7	Matrix: Soil	Date Received: 03.12.20 00.00
Lab Sample Id: 655398-007	Date Collected: 03.09.20 00.00	
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 03.12.20 14.00	Basis: Wet Weight
Seq Number: 3119521		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	81.2	5.00	mg/kg	03.12.20 15.01		1



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Etech Environmental & Safety Solution, Inc, Midland, TX
Serrano

Sample Id: #8	Matrix: Soil	Date Received: 03.12.20 00.00
Lab Sample Id: 655398-008	Date Collected: 03.09.20 00.00	
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 03.12.20 14.00	Basis: Wet Weight
Seq Number: 3119521		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	236	5.00	mg/kg	03.12.20 15.17		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #9 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-009 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.00 Basis: Wet Weight
 Seq Number: 3119521

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	410	5.00	mg/kg	03.12.20 15.22		1



Certificate of Analytical Results 655398



Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #10 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-010 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.00 Basis: Wet Weight
 Seq Number: 3119521

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	150	5.02	mg/kg	03.12.20 15.28		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #11 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-011 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.00 Basis: Wet Weight
 Seq Number: 3119521

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	5.16	5.05	mg/kg	03.12.20 15.33		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #12	Matrix: Soil	Date Received: 03.12.20 00.00
Lab Sample Id: 655398-012	Date Collected: 03.09.20 00.00	
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 03.12.20 14.00	Basis: Wet Weight
Seq Number: 3119521		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	8.71	5.03	mg/kg	03.12.20 15.38		1



Certificate of Analytical Results 655398



Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #13 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-013 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.00 Basis: Wet Weight
 Seq Number: 3119521

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	29.9	5.00	mg/kg	03.12.20 15.43		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #14	Matrix: Soil	Date Received: 03.12.20 00.00
Lab Sample Id: 655398-014	Date Collected: 03.09.20 00.00	
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 03.12.20 14.00	Basis: Wet Weight
Seq Number: 3119521		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	29.5	4.96	mg/kg	03.12.20 15.59		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #15 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-015 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.00 Basis: Wet Weight
 Seq Number: 3119521

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	322	5.04	mg/kg	03.12.20 16.05		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #16 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-016 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.00 Basis: Wet Weight
 Seq Number: 3119521

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	137	4.98	mg/kg	03.12.20 16.20		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #17 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-017 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.00 Basis: Wet Weight
 Seq Number: 3119521

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	286	5.02	mg/kg	03.12.20 16.26		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #18 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-018 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.00 Basis: Wet Weight
 Seq Number: 3119521

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	94.9	4.99	mg/kg	03.12.20 16.31		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #19 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-019 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.00 Basis: Wet Weight
 Seq Number: 3119521

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	69.2	5.00	mg/kg	03.12.20 16.36		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #20 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-020 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.00 Basis: Wet Weight
 Seq Number: 3119521

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	212	5.05	mg/kg	03.12.20 16.41		1



Certificate of Analytical Results 655398



Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #21 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-021 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.00 Basis: Wet Weight
 Seq Number: 3119521

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	49.8	5.05	mg/kg	03.12.20 16.47		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #22 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-022 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.00 Basis: Wet Weight
 Seq Number: 3119521

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	135	4.98	mg/kg	03.12.20 16.52		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #23 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-023 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.15 Basis: Wet Weight
 Seq Number: 3119524

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	291	4.96	mg/kg	03.12.20 17.24		1



Certificate of Analytical Results 655398



Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #24 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-024 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.15 Basis: Wet Weight
 Seq Number: 3119524

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	190	5.03	mg/kg	03.12.20 17.39		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #25 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-025 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.15 Basis: Wet Weight
 Seq Number: 3119524

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	201	5.01	mg/kg	03.12.20 17.45		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #26 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-026 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.15 Basis: Wet Weight
 Seq Number: 3119524

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	111	4.99	mg/kg	03.12.20 17.50		1



Certificate of Analytical Results 655398



Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #27 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-027 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.15 Basis: Wet Weight
 Seq Number: 3119524

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	280	4.95	mg/kg	03.12.20 17.55		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #28 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-028 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.15 Basis: Wet Weight
 Seq Number: 3119524

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	23.0	4.97	mg/kg	03.12.20 18.11		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #29 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-029 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.15 Basis: Wet Weight
 Seq Number: 3119524

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	109	5.03	mg/kg	03.12.20 18.16		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #30 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-030 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.15 Basis: Wet Weight
 Seq Number: 3119524

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	78.7	4.96	mg/kg	03.12.20 18.22		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #31 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-031 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.15 Basis: Wet Weight
 Seq Number: 3119524

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	208	5.00	mg/kg	03.12.20 18.27		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #32 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-032 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.15 Basis: Wet Weight
 Seq Number: 3119524

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	160	5.00	mg/kg	03.12.20 18.32		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #33 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-033 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.15 Basis: Wet Weight
 Seq Number: 3119524

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	99.7	5.03	mg/kg	03.12.20 18.37		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #34 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-034 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.15 Basis: Wet Weight
 Seq Number: 3119524

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	223	4.96	mg/kg	03.12.20 18.53		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #35 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-035 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.15 Basis: Wet Weight
 Seq Number: 3119524

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	169	4.99	mg/kg	03.12.20 18.58		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #36 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-036 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.15 Basis: Wet Weight
 Seq Number: 3119524

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	332	5.04	mg/kg	03.12.20 19.14		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #37 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-037 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.15 Basis: Wet Weight
 Seq Number: 3119524

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	176	4.99	mg/kg	03.12.20 19.19		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #38 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-038 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.15 Basis: Wet Weight
 Seq Number: 3119524

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	62.4	4.97	mg/kg	03.12.20 19.25		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #39 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-039 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.15 Basis: Wet Weight
 Seq Number: 3119524

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.97	4.97	mg/kg	03.12.20 19.30	U	1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #40 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-040 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.15 Basis: Wet Weight
 Seq Number: 3119524

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	97.6	5.00	mg/kg	03.12.20 19.35		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #41 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-041 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.15 Basis: Wet Weight
 Seq Number: 3119524

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7.71	5.00	mg/kg	03.12.20 19.40		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #42 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-042 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.15 Basis: Wet Weight
 Seq Number: 3119524

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	152	5.00	mg/kg	03.12.20 19.46		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #43 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-043 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.30 Basis: Wet Weight
 Seq Number: 3119526

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	62.4	5.00	mg/kg	03.12.20 20.17		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #44 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-044 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.30 Basis: Wet Weight
 Seq Number: 3119526

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	257	4.96	mg/kg	03.12.20 20.33		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #45 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-045 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.30 Basis: Wet Weight
 Seq Number: 3119526

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	376	5.03	mg/kg	03.12.20 20.38		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #46 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-046 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.30 Basis: Wet Weight
 Seq Number: 3119526

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	483	4.98	mg/kg	03.12.20 20.44		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #47 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-047 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.30 Basis: Wet Weight
 Seq Number: 3119526

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	93.3	4.99	mg/kg	03.12.20 20.49		1



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Sample Id: #48 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-048 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.30 Basis: Wet Weight
 Seq Number: 3119526

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	141	5.04	mg/kg	03.12.20 21.05		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #49 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-049 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.30 Basis: Wet Weight
 Seq Number: 3119526

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	245	5.00	mg/kg	03.12.20 21.10		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #50 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-050 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.30 Basis: Wet Weight
 Seq Number: 3119526

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	232	5.00	mg/kg	03.12.20 21.15		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #51 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-051 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.30 Basis: Wet Weight
 Seq Number: 3119526

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	160	5.00	mg/kg	03.12.20 21.21		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #52 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-052 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.30 Basis: Wet Weight
 Seq Number: 3119526

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	6.36	4.95	mg/kg	03.12.20 21.26		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #53 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-053 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.30 Basis: Wet Weight
 Seq Number: 3119526

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	5.94	4.95	mg/kg	03.12.20 21.31		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #54 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-054 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.30 Basis: Wet Weight
 Seq Number: 3119526

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	36.3	5.02	mg/kg	03.12.20 21.47		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #55 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-055 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.30 Basis: Wet Weight
 Seq Number: 3119526

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.96	4.96	mg/kg	03.12.20 21.52	U	1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #56 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-056 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.30 Basis: Wet Weight
 Seq Number: 3119526

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	250	5.05	mg/kg	03.12.20 22.08		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #57 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-057 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.30 Basis: Wet Weight
 Seq Number: 3119526

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	36.7	4.97	mg/kg	03.12.20 22.13		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #58 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-058 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.30 Basis: Wet Weight
 Seq Number: 3119526

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	340	4.96	mg/kg	03.12.20 22.19		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #59 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-059 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.30 Basis: Wet Weight
 Seq Number: 3119526

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	33.2	5.03	mg/kg	03.12.20 22.24		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #60 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-060 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.30 Basis: Wet Weight
 Seq Number: 3119526

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	263	5.05	mg/kg	03.12.20 22.29		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #61 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-061 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.30 Basis: Wet Weight
 Seq Number: 3119526

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	147	5.05	mg/kg	03.12.20 22.34		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #62 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-062 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 14.30 Basis: Wet Weight
 Seq Number: 3119526

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	52.3	5.05	mg/kg	03.12.20 22.40		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #64 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-064 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 15.40 Basis: Wet Weight
 Seq Number: 3119654

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1270	25.2	mg/kg	03.13.20 16.23		5



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #65 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-065 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 15.40 Basis: Wet Weight
 Seq Number: 3119654

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	105	4.98	mg/kg	03.13.20 16.30		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #66 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-066 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 15.40 Basis: Wet Weight
 Seq Number: 3119654

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	87.7	5.05	mg/kg	03.13.20 16.36		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #67 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-067 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 15.40 Basis: Wet Weight
 Seq Number: 3119654

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	17.8	5.00	mg/kg	03.13.20 16.42		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #68 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-068 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 15.40 Basis: Wet Weight
 Seq Number: 3119654

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	22.0	5.00	mg/kg	03.13.20 17.54		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #69 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-069 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 15.40 Basis: Wet Weight
 Seq Number: 3119654

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	26.5	5.04	mg/kg	03.13.20 18.00		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #70 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-070 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 15.40 Basis: Wet Weight
 Seq Number: 3119654

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	6.50	4.97	mg/kg	03.13.20 18.07		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #72 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-072 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 15.40 Basis: Wet Weight
 Seq Number: 3119654

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	77.1	4.96	mg/kg	03.13.20 18.19		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #74 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-074 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 15.40 Basis: Wet Weight
 Seq Number: 3119654

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	300	4.96	mg/kg	03.13.20 18.45		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #75 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-075 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 15.40 Basis: Wet Weight
 Seq Number: 3119654

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	167	4.99	mg/kg	03.13.20 18.51		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #76 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-076 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 15.40 Basis: Wet Weight
 Seq Number: 3119654

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	495	5.00	mg/kg	03.13.20 19.10		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #78 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-078 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 15.40 Basis: Wet Weight
 Seq Number: 3119654

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	125	5.01	mg/kg	03.13.20 19.23		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #79 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-079 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 15.40 Basis: Wet Weight
 Seq Number: 3119654

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	271	4.96	mg/kg	03.13.20 19.29		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #80 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-080 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 15.40 Basis: Wet Weight
 Seq Number: 3119654

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	30.2	4.99	mg/kg	03.13.20 19.35		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #81 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-081 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 15.40 Basis: Wet Weight
 Seq Number: 3119654

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	112	5.00	mg/kg	03.13.20 19.42		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #82 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-082 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 15.40 Basis: Wet Weight
 Seq Number: 3119654

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	9.82	5.02	mg/kg	03.13.20 19.48		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #83 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-083 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 16.05 Basis: Wet Weight
 Seq Number: 3119655

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<5.02	5.02	mg/kg	03.13.20 09.02	U	1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #84 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-084 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 16.05 Basis: Wet Weight
 Seq Number: 3119655

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	656	4.96	mg/kg	03.13.20 09.21		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #85 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-085 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 16.05 Basis: Wet Weight
 Seq Number: 3119655

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	11.5	4.99	mg/kg	03.13.20 09.27		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #86 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-086 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 16.05 Basis: Wet Weight
 Seq Number: 3119655

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	207	5.05	mg/kg	03.13.20 09.33		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #87 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-087 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 16.05 Basis: Wet Weight
 Seq Number: 3119655

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	51.5	4.99	mg/kg	03.13.20 09.40		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #88 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-088 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 16.05 Basis: Wet Weight
 Seq Number: 3119655

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	15.7	4.95	mg/kg	03.13.20 09.59		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #89 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-089 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 16.05 Basis: Wet Weight
 Seq Number: 3119655

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	31.3	5.00	mg/kg	03.13.20 10.05		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #90 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-090 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 16.05 Basis: Wet Weight
 Seq Number: 3119655

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	124	5.04	mg/kg	03.13.20 10.11		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #91 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-091 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 16.05 Basis: Wet Weight
 Seq Number: 3119655

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	130	5.02	mg/kg	03.13.20 10.18		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #92 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-092 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 16.05 Basis: Wet Weight
 Seq Number: 3119655

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	363	4.96	mg/kg	03.13.20 10.24		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #93 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-093 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 16.05 Basis: Wet Weight
 Seq Number: 3119655

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	52.0	5.00	mg/kg	03.13.20 10.30		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #94 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-094 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 16.05 Basis: Wet Weight
 Seq Number: 3119655

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	44.7	4.96	mg/kg	03.13.20 10.49		1



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Etech Environmental & Safety Solution, Inc, Midland, TX

Serrano

Sample Id: #95
Lab Sample Id: 655398-095

Matrix: Soil
Date Collected: 03.09.20 00.00

Date Received: 03.12.20 00.00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.12.20 16.05

Basis: Wet Weight

Seq Number: 3119655

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7.83	4.98	mg/kg	03.13.20 10.56		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #96 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-096 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 16.05 Basis: Wet Weight
 Seq Number: 3119655

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	22.6	4.95	mg/kg	03.13.20 11.15		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #97 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-097 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 16.05 Basis: Wet Weight
 Seq Number: 3119655

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	45.2	4.95	mg/kg	03.13.20 11.21		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #98 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-098 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 16.05 Basis: Wet Weight
 Seq Number: 3119655

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	60.2	5.04	mg/kg	03.13.20 11.28		1



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Serrano

Sample Id: #88	Matrix: Soil	Date Received: 03.12.20 00.00
Lab Sample Id: 655398-099	Date Collected: 03.09.20 00.00	
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 03.12.20 16.05	Basis: Wet Weight
Seq Number: 3119655		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1040	24.9	mg/kg	03.13.20 11.34		5



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: **#100** Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-100 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 16.05 Basis: Wet Weight
 Seq Number: 3119655

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	213	5.00	mg/kg	03.13.20 11.40		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: **#101** Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-101 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 16.05 Basis: Wet Weight
 Seq Number: 3119655

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<5.00	5.00	mg/kg	03.13.20 11.47	U	1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: **#102** Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-102 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 16.05 Basis: Wet Weight
 Seq Number: 3119655

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7.33	5.03	mg/kg	03.13.20 11.53		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: **#103** Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-103 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 16.15 Basis: Wet Weight
 Seq Number: 3119656

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	192	5.00	mg/kg	03.13.20 12.31		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: **#104** Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-104 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 16.15 Basis: Wet Weight
 Seq Number: 3119656

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	677	5.01	mg/kg	03.13.20 12.50		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #105	Matrix: Soil	Date Received: 03.12.20 00.00
Lab Sample Id: 655398-105	Date Collected: 03.09.20 00.00	
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 03.12.20 16.15	Basis: Wet Weight
Seq Number: 3119656		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	14.9	5.04	mg/kg	03.13.20 12.56		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: **#106** Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-106 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 16.15 Basis: Wet Weight
 Seq Number: 3119656

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	492	4.98	mg/kg	03.13.20 13.03		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: **#107** Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-107 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 16.15 Basis: Wet Weight
 Seq Number: 3119656

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	463	5.05	mg/kg	03.13.20 13.09		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: **#108** Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-108 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 16.15 Basis: Wet Weight
 Seq Number: 3119656

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	33.2	5.05	mg/kg	03.13.20 13.28		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: **#109** Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-109 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 16.15 Basis: Wet Weight
 Seq Number: 3119656

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	187	4.98	mg/kg	03.13.20 13.35		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #110 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-110 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 16.15 Basis: Wet Weight
 Seq Number: 3119656

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	245	4.95	mg/kg	03.13.20 13.41		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #111 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-111 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 16.15 Basis: Wet Weight
 Seq Number: 3119656

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	346	4.97	mg/kg	03.13.20 13.47		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #112 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-112 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 16.15 Basis: Wet Weight
 Seq Number: 3119656

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	31.3	5.03	mg/kg	03.13.20 13.54		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #113	Matrix: Soil	Date Received: 03.12.20 00.00
Lab Sample Id: 655398-113	Date Collected: 03.09.20 00.00	
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 03.12.20 16.15	Basis: Wet Weight
Seq Number: 3119656		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	167	5.05	mg/kg	03.13.20 14.00		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #114 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-114 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 16.15 Basis: Wet Weight
 Seq Number: 3119656

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	57.6	5.04	mg/kg	03.13.20 14.19		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #115 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-115 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 16.15 Basis: Wet Weight
 Seq Number: 3119656

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	190	4.96	mg/kg	03.13.20 14.25		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #117 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-117 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 16.15 Basis: Wet Weight
 Seq Number: 3119656

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	267	5.05	mg/kg	03.13.20 14.51		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #118	Matrix: Soil	Date Received: 03.12.20 00.00
Lab Sample Id: 655398-118	Date Collected: 03.09.20 00.00	
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 03.12.20 16.15	Basis: Wet Weight
Seq Number: 3119656		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	457	5.00	mg/kg	03.13.20 14.57		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #119 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-119 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 16.15 Basis: Wet Weight
 Seq Number: 3119656

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	470	25.0	mg/kg	03.13.20 15.03		5



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: **#120** Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-120 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 16.15 Basis: Wet Weight
 Seq Number: 3119656

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	224	5.00	mg/kg	03.13.20 15.10		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #122 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-122 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 16.15 Basis: Wet Weight
 Seq Number: 3119656

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	388	4.98	mg/kg	03.13.20 15.22		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #123 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-123 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 17.45 Basis: Wet Weight
 Seq Number: 3119476

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	151	5.00	mg/kg	03.12.20 23.11		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #124	Matrix: Soil	Date Received: 03.12.20 00.00
Lab Sample Id: 655398-124	Date Collected: 03.09.20 00.00	
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 03.12.20 17.45	Basis: Wet Weight
Seq Number: 3119476		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	268	4.96	mg/kg	03.12.20 23.27		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #125	Matrix: Soil	Date Received: 03.12.20 00.00
Lab Sample Id: 655398-125	Date Collected: 03.09.20 00.00	
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 03.12.20 17.45	Basis: Wet Weight
Seq Number: 3119476		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	384	5.00	mg/kg	03.12.20 23.32		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #127	Matrix: Soil	Date Received: 03.12.20 00.00
Lab Sample Id: 655398-127	Date Collected: 03.09.20 00.00	
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 03.12.20 17.45	Basis: Wet Weight
Seq Number: 3119476		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	216	5.04	mg/kg	03.12.20 23.43		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #128	Matrix: Soil	Date Received: 03.12.20 00.00
Lab Sample Id: 655398-128	Date Collected: 03.09.20 00.00	
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 03.12.20 17.45	Basis: Wet Weight
Seq Number: 3119476		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	564	5.01	mg/kg	03.12.20 23.59		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: **#129** Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-129 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 17.45 Basis: Wet Weight
 Seq Number: 3119476

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	20.9	4.99	mg/kg	03.13.20 00.04		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #130 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-130 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 17.45 Basis: Wet Weight
 Seq Number: 3119476

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	434	4.96	mg/kg	03.13.20 00.09		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #131 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-131 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 17.45 Basis: Wet Weight
 Seq Number: 3119476

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	379	5.01	mg/kg	03.13.20 00.14		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #132 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-132 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.12.20 17.45 Basis: Wet Weight
 Seq Number: 3119476

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	294	4.99	mg/kg	03.13.20 00.20		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #134 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-134 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.13.20 08.45 Basis: Wet Weight
 Seq Number: 3119657

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	313	5.05	mg/kg	03.13.20 09.41		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #135 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-135 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.13.20 08.45 Basis: Wet Weight
 Seq Number: 3119657

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	203	5.02	mg/kg	03.13.20 09.47		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #136 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-136 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.13.20 08.45 Basis: Wet Weight
 Seq Number: 3119657

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	121	5.05	mg/kg	03.13.20 09.52		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #137 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-137 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.13.20 08.45 Basis: Wet Weight
 Seq Number: 3119657

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	16.5	4.96	mg/kg	03.13.20 09.57		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #138 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-138 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.13.20 08.45 Basis: Wet Weight
 Seq Number: 3119657

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	83.4	4.99	mg/kg	03.13.20 10.13		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: **#139** Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-139 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.13.20 08.45 Basis: Wet Weight
 Seq Number: 3119657

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	240	5.03	mg/kg	03.13.20 10.18		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: **#140** Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-140 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.13.20 08.45 Basis: Wet Weight
 Seq Number: 3119657

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	48.2	4.97	mg/kg	03.13.20 10.23		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #141 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-141 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.13.20 08.45 Basis: Wet Weight
 Seq Number: 3119657

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	46.3	5.04	mg/kg	03.13.20 10.29		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #142 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-142 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.13.20 08.45 Basis: Wet Weight
 Seq Number: 3119657

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	205	4.99	mg/kg	03.13.20 10.34		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #143 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-143 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.13.20 08.45 Basis: Wet Weight
 Seq Number: 3119657

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	76.3	5.02	mg/kg	03.13.20 10.39		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #144 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-144 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.13.20 08.45 Basis: Wet Weight
 Seq Number: 3119657

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	16.8	5.04	mg/kg	03.13.20 10.55		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #145 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-145 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.13.20 08.45 Basis: Wet Weight
 Seq Number: 3119657

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	514	4.98	mg/kg	03.13.20 11.00		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #146	Matrix: Soil	Date Received: 03.12.20 00.00
Lab Sample Id: 655398-146	Date Collected: 03.09.20 00.00	
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 03.13.20 08.45	Basis: Wet Weight
Seq Number: 3119657		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	311	4.99	mg/kg	03.13.20 11.16		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #147	Matrix: Soil	Date Received: 03.12.20 00.00
Lab Sample Id: 655398-147	Date Collected: 03.09.20 00.00	
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 03.13.20 08.45	Basis: Wet Weight
Seq Number: 3119657		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	168	5.00	mg/kg	03.13.20 11.21		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: **#148** Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-148 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.13.20 08.45 Basis: Wet Weight
 Seq Number: 3119657

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	14.6	4.98	mg/kg	03.13.20 11.27		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #149 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-149 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.13.20 08.45 Basis: Wet Weight
 Seq Number: 3119657

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	11.8	4.96	mg/kg	03.13.20 11.32		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: **#150** Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-150 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.13.20 08.45 Basis: Wet Weight
 Seq Number: 3119657

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	108	5.03	mg/kg	03.13.20 11.37		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: **#151** Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-151 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.13.20 08.45 Basis: Wet Weight
 Seq Number: 3119657

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	552	4.98	mg/kg	03.13.20 11.42		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: **#152** Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-152 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.13.20 08.45 Basis: Wet Weight
 Seq Number: 3119657

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	36.9	5.02	mg/kg	03.13.20 11.48		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #153 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-153 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.13.20 13.50 Basis: Wet Weight
 Seq Number: 3119660

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	53.2	5.05	mg/kg	03.13.20 14.15		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: **#154** Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-154 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.13.20 13.50 Basis: Wet Weight
 Seq Number: 3119660

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	36.7	4.99	mg/kg	03.13.20 14.31		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: **#155** Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-155 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.13.20 13.50 Basis: Wet Weight
 Seq Number: 3119660

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	14.0	4.97	mg/kg	03.13.20 14.36		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: **#156** Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-156 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.13.20 13.50 Basis: Wet Weight
 Seq Number: 3119660

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	175	4.98	mg/kg	03.13.20 14.42		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: **#157** Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-157 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.13.20 13.50 Basis: Wet Weight
 Seq Number: 3119660

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	620	5.03	mg/kg	03.13.20 14.47		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: **#158** Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-158 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.13.20 13.50 Basis: Wet Weight
 Seq Number: 3119660

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	309	4.99	mg/kg	03.13.20 15.03		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #159	Matrix: Soil	Date Received: 03.12.20 00.00
Lab Sample Id: 655398-159	Date Collected: 03.09.20 00.00	
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 03.13.20 13.50	Basis: Wet Weight
Seq Number: 3119660		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	9.30	4.96	mg/kg	03.13.20 15.08		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: **#160** Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-160 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.13.20 13.50 Basis: Wet Weight
 Seq Number: 3119660

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	215	4.96	mg/kg	03.13.20 15.13		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #161 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-161 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.13.20 13.50 Basis: Wet Weight
 Seq Number: 3119660

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	35.7	4.98	mg/kg	03.13.20 15.19		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: **#162** Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-162 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.13.20 13.50 Basis: Wet Weight
 Seq Number: 3119660

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	110	4.99	mg/kg	03.13.20 15.24		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: #164 Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-164 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.13.20 13.50 Basis: Wet Weight
 Seq Number: 3119660

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	58.4	5.04	mg/kg	03.13.20 15.45		1



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Etech Environmental & Safety Solution, Inc, Midland, TX Serrano

Sample Id: **#165** Matrix: Soil Date Received: 03.12.20 00.00
 Lab Sample Id: 655398-165 Date Collected: 03.09.20 00.00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.13.20 13.50 Basis: Wet Weight
 Seq Number: 3119660

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	159	4.99	mg/kg	03.13.20 16.06		1



Etech Environmental & Safety Solution, Inc

Serrano

Analytical Method: Chloride by EPA 300

Seq Number: 3119502

MB Sample Id: 7698738-1-BLK

Matrix: Solid

LCS Sample Id: 7698738-1-BKS

Prep Method: E300P

Date Prep: 03.12.20

LCSD Sample Id: 7698738-1-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	261	104	<5.00	0	90-110	200	20	mg/kg	03.12.20 18:00	LF

Analytical Method: Chloride by EPA 300

Seq Number: 3119521

MB Sample Id: 7698740-1-BLK

Matrix: Solid

LCS Sample Id: 7698740-1-BKS

Prep Method: E300P

Date Prep: 03.12.20

LCSD Sample Id: 7698740-1-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	248	99	250	100	90-110	1	20	mg/kg	03.12.20 14:19	

Analytical Method: Chloride by EPA 300

Seq Number: 3119524

MB Sample Id: 7698741-1-BLK

Matrix: Solid

LCS Sample Id: 7698741-1-BKS

Prep Method: E300P

Date Prep: 03.12.20

LCSD Sample Id: 7698741-1-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	250	100	90-110	0	20	mg/kg	03.12.20 17:13	

Analytical Method: Chloride by EPA 300

Seq Number: 3119526

MB Sample Id: 7698742-1-BLK

Matrix: Solid

LCS Sample Id: 7698742-1-BKS

Prep Method: E300P

Date Prep: 03.12.20

LCSD Sample Id: 7698742-1-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	250	100	251	100	90-110	0	20	mg/kg	03.12.20 20:07	

Analytical Method: Chloride by EPA 300

Seq Number: 3119654

MB Sample Id: 7698743-1-BLK

Matrix: Solid

LCS Sample Id: 7698743-1-BKS

Prep Method: E300P

Date Prep: 03.12.20

LCSD Sample Id: 7698743-1-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	03.13.20 15:52	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
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: Chloride by EPA 300

Seq Number: 3119655 Matrix: Solid Prep Method: E300P
 MB Sample Id: 7698744-1-BLK LCS Sample Id: 7698744-1-BKS Date Prep: 03.12.20
 LCSD Sample Id: 7698744-1-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	264	106	264	106	90-110	0	20	mg/kg	03.13.20 08:49	

Analytical Method: Chloride by EPA 300

Seq Number: 3119656 Matrix: Solid Prep Method: E300P
 MB Sample Id: 7698745-1-BLK LCS Sample Id: 7698745-1-BKS Date Prep: 03.12.20
 LCSD Sample Id: 7698745-1-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	264	106	265	106	90-110	0	20	mg/kg	03.13.20 12:18	

Analytical Method: Chloride by EPA 300

Seq Number: 3119476 Matrix: Solid Prep Method: E300P
 MB Sample Id: 7698763-1-BLK LCS Sample Id: 7698763-1-BKS Date Prep: 03.12.20
 LCSD Sample Id: 7698763-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<0.858	250	252	101	251	100	90-110	0	20	mg/kg	03.12.20 23:01	

Analytical Method: Chloride by EPA 300

Seq Number: 3119657 Matrix: Solid Prep Method: E300P
 MB Sample Id: 7698820-1-BLK LCS Sample Id: 7698820-1-BKS Date Prep: 03.13.20
 LCSD Sample Id: 7698820-1-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	255	102	258	103	90-110	1	20	mg/kg	03.13.20 09:15	

Analytical Method: Chloride by EPA 300

Seq Number: 3119660 Matrix: Solid Prep Method: E300P
 MB Sample Id: 7698825-1-BLK LCS Sample Id: 7698825-1-BKS Date Prep: 03.13.20
 LCSD Sample Id: 7698825-1-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	258	103	254	102	90-110	2	20	mg/kg	03.13.20 14:05	

MS/MSD Percent Recovery
 Relative Percent Difference
 LCS/LCSD Recovery
 Log Difference

[D] = 100*(C-A) / B
 RPD = 200* |(C-E) / (C+E)|
 [D] = 100 * (C) / [B]
 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: Chloride by EPA 300

Seq Number: 3119502

Parent Sample Id: 655378-002

Matrix: Soil

MS Sample Id: 655378-002 S

Prep Method: E300P

Date Prep: 03.12.20

MSD Sample Id: 655378-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	8.87	250	269	104	269	104	90-110	0	20	mg/kg	03.12.20 18:21	

Analytical Method: Chloride by EPA 300

Seq Number: 3119502

Parent Sample Id: 655378-012

Matrix: Soil

MS Sample Id: 655378-012 S

Prep Method: E300P

Date Prep: 03.12.20

MSD Sample Id: 655378-012 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	82.5	248	346	106	347	107	90-110	0	20	mg/kg	03.12.20 19:56	

Analytical Method: Chloride by EPA 300

Seq Number: 3119521

Parent Sample Id: 655398-003

Matrix: Soil

MS Sample Id: 655398-003 S

Prep Method: E300P

Date Prep: 03.12.20

MSD Sample Id: 655398-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	97.8	252	349	100	358	103	90-110	3	20	mg/kg	03.12.20 14:35	

Analytical Method: Chloride by EPA 300

Seq Number: 3119521

Parent Sample Id: 655398-013

Matrix: Soil

MS Sample Id: 655398-013 S

Prep Method: E300P

Date Prep: 03.12.20

MSD Sample Id: 655398-013 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	29.9	250	280	100	281	100	90-110	0	20	mg/kg	03.12.20 15:49	

Analytical Method: Chloride by EPA 300

Seq Number: 3119524

Parent Sample Id: 655398-023

Matrix: Soil

MS Sample Id: 655398-023 S

Prep Method: E300P

Date Prep: 03.12.20

MSD Sample Id: 655398-023 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	291	248	522	93	538	100	90-110	3	20	mg/kg	03.12.20 17:29	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C-A) / B$
 $RPD = 200 * |(C-E) / (C+E)|$
 $[D] = 100 * (C) / [B]$
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: Chloride by EPA 300

Seq Number: 3119524

Parent Sample Id: 655398-033

Matrix: Soil

MS Sample Id: 655398-033 S

Prep Method: E300P

Date Prep: 03.12.20

MSD Sample Id: 655398-033 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	99.7	252	358	103	350	99	90-110	2	20	mg/kg	03.12.20 18:43	

Analytical Method: Chloride by EPA 300

Seq Number: 3119526

Parent Sample Id: 655398-043

Matrix: Soil

MS Sample Id: 655398-043 S

Prep Method: E300P

Date Prep: 03.12.20

MSD Sample Id: 655398-043 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	62.4	250	310	99	311	99	90-110	0	20	mg/kg	03.12.20 20:23	

Analytical Method: Chloride by EPA 300

Seq Number: 3119526

Parent Sample Id: 655398-053

Matrix: Soil

MS Sample Id: 655398-053 S

Prep Method: E300P

Date Prep: 03.12.20

MSD Sample Id: 655398-053 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	5.94	248	256	101	256	101	90-110	0	20	mg/kg	03.12.20 21:36	

Analytical Method: Chloride by EPA 300

Seq Number: 3119654

Parent Sample Id: 655398-063

Matrix: Soil

MS Sample Id: 655398-063 S

Prep Method: E300P

Date Prep: 03.12.20

MSD Sample Id: 655398-063 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	619	248	871	102	873	102	90-110	0	20	mg/kg	03.13.20 16:11	

Analytical Method: Chloride by EPA 300

Seq Number: 3119654

Parent Sample Id: 655398-073

Matrix: Soil

MS Sample Id: 655398-073 S

Prep Method: E300P

Date Prep: 03.12.20

MSD Sample Id: 655398-073 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	20.5	252	304	113	304	113	90-110	0	20	mg/kg	03.13.20 18:32	X

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
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: Chloride by EPA 300

Seq Number: 3119655

Parent Sample Id: 655398-083

Matrix: Soil

MS Sample Id: 655398-083 S

Prep Method: E300P

Date Prep: 03.12.20

MSD Sample Id: 655398-083 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	4.65	251	273	107	271	106	90-110	1	20	mg/kg	03.13.20 09:08	

Analytical Method: Chloride by EPA 300

Seq Number: 3119655

Parent Sample Id: 655398-093

Matrix: Soil

MS Sample Id: 655398-093 S

Prep Method: E300P

Date Prep: 03.12.20

MSD Sample Id: 655398-093 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	52.0	250	313	104	313	104	90-110	0	20	mg/kg	03.13.20 10:37	

Analytical Method: Chloride by EPA 300

Seq Number: 3119656

Parent Sample Id: 655398-103

Matrix: Soil

MS Sample Id: 655398-103 S

Prep Method: E300P

Date Prep: 03.12.20

MSD Sample Id: 655398-103 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	192	250	449	103	453	104	90-110	1	20	mg/kg	03.13.20 12:37	

Analytical Method: Chloride by EPA 300

Seq Number: 3119656

Parent Sample Id: 655398-113

Matrix: Soil

MS Sample Id: 655398-113 S

Prep Method: E300P

Date Prep: 03.12.20

MSD Sample Id: 655398-113 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	167	253	432	105	431	104	90-110	0	20	mg/kg	03.13.20 14:06	

Analytical Method: Chloride by EPA 300

Seq Number: 3119476

Parent Sample Id: 655398-123

Matrix: Soil

MS Sample Id: 655398-123 S

Prep Method: E300P

Date Prep: 03.12.20

MSD Sample Id: 655398-123 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	151	250	397	98	391	96	90-110	2	20	mg/kg	03.12.20 23:17	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
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: Chloride by EPA 300

Seq Number: 3119476

Parent Sample Id: 655518-001

Matrix: Soil

MS Sample Id: 655518-001 S

Prep Method: E300P

Date Prep: 03.12.20

MSD Sample Id: 655518-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	639	252	857	87	857	87	90-110	0	20	mg/kg	03.13.20 00:30	X

Analytical Method: Chloride by EPA 300

Seq Number: 3119657

Parent Sample Id: 655398-133

Matrix: Soil

MS Sample Id: 655398-133 S

Prep Method: E300P

Date Prep: 03.13.20

MSD Sample Id: 655398-133 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	202	249	428	91	445	98	90-110	4	20	mg/kg	03.13.20 09:31	

Analytical Method: Chloride by EPA 300

Seq Number: 3119657

Parent Sample Id: 655398-143

Matrix: Soil

MS Sample Id: 655398-143 S

Prep Method: E300P

Date Prep: 03.13.20

MSD Sample Id: 655398-143 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	76.3	251	325	99	325	99	90-110	0	20	mg/kg	03.13.20 10:45	

Analytical Method: Chloride by EPA 300

Seq Number: 3119660

Parent Sample Id: 655398-153

Matrix: Soil

MS Sample Id: 655398-153 S

Prep Method: E300P

Date Prep: 03.13.20

MSD Sample Id: 655398-153 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	53.2	253	309	101	310	102	90-110	0	20	mg/kg	03.13.20 14:21	

Analytical Method: Chloride by EPA 300

Seq Number: 3119660

Parent Sample Id: 655398-163

Matrix: Soil

MS Sample Id: 655398-163 S

Prep Method: E300P

Date Prep: 03.13.20

MSD Sample Id: 655398-163 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	54.7	250	293	95	301	99	90-110	3	20	mg/kg	03.13.20 15:34	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
B = Spike Added
C = MS/LCS Result
D = MSD/LCSD Result
MS = Matrix Spike
E = MSD/LCSD % Rec



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: **155306**

Project Manager: Joel Lowry Bill to: (if different) Ralph Terrina
 Company Name: Etech Environmental & Safety Company Name: Good Night Mid Stream
 Address: 3100 Plains Highway Address: _____
 City, State ZIP: Lovington, NM, 88260 City, State ZIP: _____
 Phone: 575-396-2378 Email: Email Results to PM@etechny.com + Client

Program: UST/PST PRP Brownfield RRC Superfund
 State of Project: _____
 Reporting Level: Level PST/UST TRR Level
 Deliverables: EDD ADAPT Other: _____

Project Name: Serrano Turn Around _____
 Project Number: 10786 Routine:
 Project Location: Lea County Rush:
 Sampler's Name: Eric Mojica Due Date: _____
 PO #: _____
SAMPLE RECEIPT Temp Blank: Yes No Wet Ice: Yes No
 Temperature (°C): 10.5 Thermometer ID: 09
 Received Intact: Yes No
 Cooler Custody Seals: Yes No Correction Factor: 0.3
 Sample Custody Seals: Yes No Total Containers: _____

Sample Identification	Metric	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code					Sample Comments
					Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005		
1	S	3-9-20		Surf.	✓					
2	S	3-9-20		Surf.	✓					
3	S	3-9-20		Surf.	✓					
4	S	3-9-20		Surf.	✓					
5	S	3-9-20		Surf.	✓					
6	S	3-9-20		Surf.	✓					
7	S	3-9-20		Surf.	✓					
8	S	3-9-20		Surf.	✓					
9	S	3-9-20		Surf.	✓					
10	S	3-9-20		Surf.	✓					

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 AI Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti 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 Ti U 1631 / 245.1 / 7470 / 7471 : Hg

Relinquished by: (Signature) Eric Wasy Received by: (Signature) Teresa Arrendore Date/Time 3-16-20
 Relinquished by: (Signature) _____ Received by: (Signature) Teresa Arrendore Date/Time 3/16/20



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: 1055309

Project Manager: Joel Lowry Bill to: (if different) Ralph T. Georgia
 Company Name: Etech Environmental & Safety Company Name: Good Night Mid Stream
 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

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

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code						Sample Comments		
					Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005					
# 11	S	3-9-20		Surf.	✓								
# 12	S	3-9-20		Surf.	✓								
# 13	S	3-9-20		Surf.	✓								
# 14	S	3-9-20		Surf.	✓								
# 15	S	3-9-20		Surf.	✓								
# 16	S	3-9-20		Surf.	✓								
# 17	S	3-9-20		Surf.	✓								
# 18	S	3-9-20		Surf.	✓								
# 19	S	3-9-20		Surf.	✓								
# 20	S	3-9-20		Surf.	✓								

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 Ti 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 Ti 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) Ei Mye Received by: (Signature) Teresa Steward Date/Time 3-10-20
 Relinquished by: (Signature) _____ Received by: (Signature) Teresa Steward Date/Time _____



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) 794-1236
 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

Chain of Custody

Work Order No: 155398

Project Manager: Joel Lowry Bill to: (if different) Ralph Tigre
 Company Name: Etech Environmental & Safety Company Name: Good Night Mid Stream
 Address: 3100 Plains Highway Address:
 City, State ZIP: Lovington, NM, 88260 City, State ZIP:
 Phone: 575-396-2378 Email: Email Results to PM@etechnv.com + Client

Program: UST/PST PRP Brownfield RRC Superfund
 State of Project:
 Reporting Level: Level PST/UST TRR Level
 Deliverables: EDD ADAPT Other:

Project Name: Sellano Turn Around:
 Project Number: 10786 Routine:
 Project Location: Lea County Rush:
 Sampler's Name: Eric Mojica Due Date:
 PO #:
SAMPLE RECEIPT Temp Blank: Yes No Wet Ice: Yes No
 Temperature (°C): Thermometer ID:
 Received In tact: Yes No
 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				Sample Comments
					Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005	
# 31	S	3-9-20		Surf.	✓				
# 32	S	3-9-20		Surf.	✓				
# 33	S	3-9-20		Surf.	✓				
# 34	S	3-9-20		Surf.	✓				
# 35	S	3-9-20		Surf.	✓				
# 36	S	3-9-20		Surf.	✓				
# 37	S	3-9-20		Surf.	✓				
# 38	S	3-9-20		Surf.	✓				
# 39	S	3-9-20		Surf.	✓				
# 40	S	3-9-20		Surf.	✓				

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 Ti 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 Ti U
 1631 / 245, 117470 / 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
<u>Eric Mojica</u>	<u>Teresa Amador</u>	<u>3-10-20</u>	<u>Teresa Amador</u>	<u>[Signature]</u>	



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 (904) 756-0747, Delray Beach, FL (561) 689-6701
 Atlanta, GA (770) 449-8800

Work Order No:

155308

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Page 5 of 17

Project Manager:	Joel Lowry	Bill to: (if different)	Ralph Tegeria
Company Name:	Etech Environmental & Safety	Company Name:	Good Night Mid Stream
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechny.com + Client

Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> State of Project:
Reporting Level I <input type="checkbox"/> Level II <input type="checkbox"/> PST/US <input type="checkbox"/> TRR <input type="checkbox"/> Level II <input type="checkbox"/> Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	Selma	Turn Around	
Project Number:	10786	Routine:	<input checked="" type="checkbox"/>
Project Location:	Lea County	Rush:	<input type="checkbox"/>
Sampler's Name:	Eric Mojica	Due Date:	
PO #:			
SAMPLE RECEIPT	Temp Blank:	Yes	No
Temperature (°C):		Wet Ice:	Yes
Received In tact:	Yes	No	Thermometer ID
Cooler Custody Seals:	Yes	No	Correction Factor:
Sample Custody Seals:	Yes	No	Total Containers:

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code				Sample Comments
					Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005	
# 41	S	3-9-20		Surf.	✓				
# 42	S	3-9-20		Surf.	✓				
# 43	S	3-9-20		Surf.	✓				
# 44	S	3-9-20		Surf.	✓				
# 45	S	3-9-20		Surf.	✓				
# 46	S	3-9-20		Surf.	✓				
# 47	S	3-9-20		Surf.	✓				
# 48	S	3-9-20		Surf.	✓				
# 49	S	3-9-20		Surf.	✓				
# 50	S	3-9-20		Surf.	✓				

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 Ti 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 Ti 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
	Torres Armandarez	3-10-20		Torres Armandarez	



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) 365-0900
 Tampa, FL (813) 820-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
 Atlanta, GA (770) 449-8800

Work Order No: 1055306

1055306

Project Manager:	Joel Lowry	Bill to: (if different)	Ralph T. Garcia
Company Name:	Etech Environmental & Safety	Company Name:	Godd Night Mid Stream
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechny.com + Client

Project Name:	Serrano	Turn Around	
Project Number:	10786	Routine:	<input checked="" type="checkbox"/>
Project Location:	Lea County	Rush:	<input type="checkbox"/>
Sampler's Name:	Eric Mojica	Due Date:	
PO #:			

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code				Sample Comments
					Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005	
# 51	S	3-9-20		Surf.	✓				
# 52	S	3-9-20		Surf.	✓				
# 53	S	3-9-20		Surf.	✓				
# 54	S	3-9-20		Surf.	✓				
# 55	S	3-9-20		Surf.	✓				
# 56	S	3-9-20		Surf.	✓				
# 57	S	3-9-20		Surf.	✓				
# 58	S	3-9-20		Surf.	✓				
# 59	S	3-9-20		Surf.	✓				
# 60	S	3-9-20		Surf.	✓				

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 Ti 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
<i>Eric Mojica</i>	<i>Teresa Armentano</i>	3-11-20	<i>Teresa Armentano</i>	<i>[Signature]</i>	



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) 794-1286
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
 Tampa, FL (813) 620-2000, Tallahassee, FL (904) 756-0747, Delray Beach, FL (561) 689-6701
 Atlanta, GA (770) 449-8800

Work Order No: 1055398

Project Manager: Joel Lowry Bill to: (if different) Ralph Tigereva
 Company Name: Etech Environmental & Safety Company Name: Good Night M. d Stream
 Address: 3100 Plains Highway Address: _____
 City, State ZIP: Lowington, NM, 88260 City, State ZIP: _____
 Phone: 575-396-2378 Email: Email Results to PM@etechenvy.com + Client

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

Project Name: Sellano Turn Around _____
 Project Number: 10786 Routine:
 Project Location: Lea County Rush:
 Sampler's Name: Eric Mojica 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: _____

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code				Sample Comments
					Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005	
61	S	3-9-20	Surf.	Surf.	✓				
62	S	3-9-20	Surf.	Surf.	✓				
63	S	3-9-20	Surf.	Surf.	✓				
64	S	3-9-20	Surf.	Surf.	✓				
65	S	3-9-20	Surf.	Surf.	✓				
66	S	3-9-20	Surf.	Surf.	✓				
67	S	3-9-20	Surf.	Surf.	✓				
68	S	3-9-20	Surf.	Surf.	✓				
69	S	3-9-20	Surf.	Surf.	✓				
70	S	3-9-20	Surf.	Surf.	✓				

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 Ti 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 Ti 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) Eric Mojica Received by: (Signature) Teresa Arwardorff Date/Time 3-10-20
 Relinquished by: (Signature) Teresa Arwardorff Received by: (Signature) [Signature] Date/Time _____



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 (905) 756-0747, Delray Beach, FL (561) 689-6701
 Atlanta, GA (770) 449-8800

Chain of Custody

Work Order No: 155396

Project Manager: Joel Lowry Bill to: (if different) Ralph Tighe
 Company Name: Etech Environmental & Safety Company Name: Good Night Mid Stream
 Address: 3100 Plains Highway Address: _____
 City, State ZIP: Lowington, NM, 88260 City, State ZIP: _____
 Phone: 575-396-2378 Email: Email Results to PM@etechnv.com + Client

Program: UST/PST PRP Brownfields RRC Superfund
 State of Project: _____
 Reporting Level I Level II PST/UST TRR Level I
 Deliverables: EDD ADAPT Other: _____

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code											Sample Comments		
					Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005										
71	S	3-9-20		Surf.	✓													
72	S	3-9-20		Surf.	✓													
73	S	3-9-20		Surf.	✓													
74	S	3-9-20		Surf.	✓													
75	S	3-9-20		Surf.	✓													
76	S	3-9-20		Surf.	✓													
77	S	3-9-20		Surf.	✓													
78	S	3-9-20		Surf.	✓													
79	S	3-9-20		Surf.	✓													
80	S	3-9-20		Surf.	✓													

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 Ti 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 Ti U 1631 / 245.1 / 7470 / 7471 : Hg

Notes: 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) Eric Maza Received by: (Signature) Teressa Arward Date/Time 3-10-20
 Relinquished by: (Signature) _____ Received by: (Signature) Teressa Arward Date/Time _____



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:

155398

Project Manager: Joel Lowry
 Company Name: Etech Environmental & Safety
 Address: 3100 Plains Highway
 City, State ZIP: Lovington, NM, 88260
 Phone: 575-396-2378
 Bill to: (if different) Ralph T. Sierra
 Company Name: Good Night Mid Stream
 Address:
 City, State ZIP:

Turn Around
 Routine:
 Rush:
 Due Date:
 Turn Order Comments
 Program: UST/PST PRP Brownfields RRC Superfund
 State of Project:
 Reporting Level I Level II PST/UST TRR Level I
 Deliverables: EDD ADAPT Other:

Project Name: Seilano
 Project Number: 10786
 Project Location: Lea County
 Sampler's Name: Eric Mojica
 PO #:
 SAMPLE RECEIPT
 Temp Blank: Yes No
 Temperature (°C):
 Received Inact: Yes No
 Cooler Custody Seals: Yes No N/A
 Sample Custody Seals: Yes No N/A
 Total Containers:
 Turn Around
 Routine:
 Rush:
 Due Date:
 ANALYSIS REQUEST
 Chloride E300
 BTEX 8021
 TPH Modified Ext
 TPH TX1005
 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											Sample Comments			
					Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005											
81	S	3-9-20		5'v.f.	✓														
82	S	3-9-20		5'v.f.	✓														
83	S	3-9-20		5'v.f.	✓														
84	S	3-9-20		5'v.f.	✓														
85	S	3-9-20		5'v.f.	✓														
86	S	3-9-20		5'v.f.	✓														
87	S	3-9-20		5'v.f.	✓														
88	S	3-9-20		5'v.f.	✓														
89	S	3-9-20		5'v.f.	✓														
90	S	3-9-20		5'v.f.	✓														

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 AI Sb As Ba Be B Cd Ca Cr Co Cu Pb Mn Mo Ni K Se Ag SIO2 Na Sr Ti 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 Ti U
 1631 / 245.1 / 7470 / 7471 : Hg

Note: 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) Eric Mojica
 Received by: (Signature) Teresa Armondare
 Date/Time: 3-10-20
 Relinquished by: (Signature) Teresa Armondare
 Received by: (Signature) [Signature]
 Date/Time:



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) 794-1236
 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:

WSS398

Project Manager: Joel Lowry
 Company Name: Etech Environmental & Safety
 Address: 3100 Plains Highway
 City, State ZIP: Lovington, NM, 88260
 Phone: 575-396-2378
 Email: Email Results to PM@etechnv.com + Client

Bill to: (if different)
 Company Name: Good Night Mid Stream
 Address:
 City, State ZIP:

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

Project Name: Serano
 Project Number: 10786
 Project Location: Lea County
 Sampler's Name: Eric Majica
 PO #:
 Turn Around
 Routine:
 Rush:
 Due Date:
 ANALYSIS REQUEST

SAMPLE RECEIPT
 Temperature (°C):
 Received In tact: Yes No
 Cooler Custody Seals: Yes No N/A
 Sample Custody Seals: Yes No N/A
 Correction Factor:
 Total Containers:

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005	Preservative Codes	Sample Comments
# 91	S	3-9-20		Surf.		<input checked="" type="checkbox"/>					
# 92	S	3-9-20		Surf.		<input checked="" type="checkbox"/>					
# 93	S	3-9-20		Surf.		<input checked="" type="checkbox"/>					
# 94	S	3-9-20		Surf.		<input checked="" type="checkbox"/>					
# 95	S	3-9-20		Surf.		<input checked="" type="checkbox"/>					
# 96	S	3-9-20		Surf.		<input checked="" type="checkbox"/>					
# 97	S	3-9-20		Surf.		<input checked="" type="checkbox"/>					
# 98	S	3-9-20		Surf.		<input checked="" type="checkbox"/>					
# 99	S	3-9-20		Surf.		<input checked="" type="checkbox"/>					
# 100	S	3-9-20		Surf.		<input checked="" type="checkbox"/>					

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 Ti 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 TI U 1631 / 245.1 / 7470 / 7471 : Hg

Relinquished by: (Signature) Eric May
 Received by: (Signature) Teresa Hernandez
 Date/Time: 3-10-20

Relinquished by: (Signature)
 Received by: (Signature)
 Date/Time

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.

Revised Date: 10/14/19 Rev. 2018.1



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) 449-8900

Chain of Custody

Work Order No: 155398

Project Manager:	Joel Lowry	Bill to: (if different)	Ralph Tageria
Company Name:	Etech Environmental & Safety	Company Name:	Good Night Mid Stream
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88360	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechny.com + Client
Project Name:	Sellano	Turn Around	
Project Number:	10786	Routine:	<input checked="" type="checkbox"/>
Project Location:	Lea County	Rush:	<input type="checkbox"/>
Sampler's Name:	Eric Mejica	Due Date:	
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes	No	Wellce:	Yes	No
Temperature (°C):				Thermometer ID		
Received Inact:	Yes	No				
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
# 101	S	3.9.20		S.v.f.	✓			
# 102	S	3.9.20		S.v.f.	✓			
# 103	S	3.9.20		S.v.f.	✓			
# 104	S	3.9.20		S.v.f.	✓			
# 105	S	3.9.20		S.v.f.	✓			
# 106	S	3.9.20		S.v.f.	✓			
# 107	S	3.9.20		S.v.f.	✓			
# 108	S	3.9.20		S.v.f.	✓			
# 109	S	3.9.20		S.v.f.	✓			
# 110	S	3.9.20		S.v.f.	✓			

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 Ti 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 Ti U 1631 / 245.1 / 7470 / 7471 : Hg

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Eric Mejica	Teresa Armandarez	3.10.20 /	Teresa Armandarez	PTD	

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Work Order Comments
 Program: UST/PST PRP Brownfields RRC Superfund
 State of Project:
 Reporting Level: Level I Level II PST/UST TRR Level III
 Deliverables: EDD ADAPT Other:

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 Comments



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:

1055308

Project Manager:	Joel Lowry	Bill to: (if different)	Ralph Tegerian
Company Name:	Elech Environmental & Safety	Company Name:	Good Night Mid Stream
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Livington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@eltechenv.com + Client

Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfield <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> State of Project:	
Reporting Level: <input type="checkbox"/> Level I <input type="checkbox"/> Level II <input type="checkbox"/> PST/UST <input type="checkbox"/> TRR <input type="checkbox"/> Level III <input type="checkbox"/>	Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: <input type="checkbox"/>

Project Name:	Serrano	Turn Around	<input checked="" type="checkbox"/>
Project Number:	10786	Routine:	<input checked="" type="checkbox"/>
Project Location:	Lea County	Rush:	<input type="checkbox"/>
Sampler's Name:	Eric Mojica	Due Date:	
PO #:			
SAMPLE RECEIPT	Temp Blank:	Yes	No
Temperature (°C):	Thermometer ID	Wet Ice:	Yes
Received Intact:	Yes	No	
Cooler Custody Seals:	Yes	No	N/A
Sample Custody Seals:	Yes	No	N/A
	Correction Factor:		
	Total Containers:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	ANALYSIS REQUEST				Preservative Codes
					Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	
# 111	S	3-9-20		Surf.	✓				
# 112	S	3-9-20		Surf.	✓				
# 113	S	3-9-20		Surf.	✓				
# 114	S	3-9-20		Surf.	✓				
# 115	S	3-9-20		Surf.	✓				
# 116	S	3-9-20		Surf.	✓				
# 117	S	3-9-20		Surf.	✓				
# 118	S	3-9-20		Surf.	✓				
# 119	S	3-9-20		Surf.	✓				
# 120	S	3-9-20		Surf.	✓				

Total 200.7 / 6010 200.8 / 6020: BRCRA 13PPM Texas 11 A1 Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SIO2 Na Sr Ti Sn U V Zn
 Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: BRCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti 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
<i>Eric Mojica</i>	<i>Lorena Arrendondo</i>	3-10-20	<i>Lorena Arrendondo</i>	<i>[Signature]</i>	



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 (905) 756-0747, Delray Beach, FL (561) 689-6701
 Atlanta, GA (770) 449-8800

Work Order No: 1055306

Project Manager: Joel Lowry Bill to: (if different) Ralph T. Garcia
 Company Name: Etech Environmental & Safety Company Name: Good Night Mid Stream
 Address: 3100 Plains Highway Address:
 City, State ZIP: Lovington, NM, 88260 City, State ZIP:
 Phone: 575-396-2378 Email: Email Results to PM@etechny.com + Client

Program: UST/PST PRP Brownfields RRC Superfund
 State of Project:
 Reporting Level: Level I Level II PST/UST TRR Level III
 Deliverables: EDD ADAPT Other:
 www.xenco.com Page 13 of 17

Project Name: Seccano Turn Around
 Project Number: 10786 Routine:
 Project Location: Len Coalf Rush:
 Sampler's Name: Eric Mojica 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:

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	ANALYSIS REQUEST				Preservative Codes	
					Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext		TPH TX1005
# 121	S	3-9-20		Surf.	✓					
# 122	S	3-9-20		Surf.	✓					
# 123	S	3-9-20		Surf.	✓					
# 124	S	3-9-20		Surf.	✓					
# 125	S	3-9-20		Surf.	✓					
# 126	S	3-9-20		Surf.	✓					
# 127	S	3-9-20		Surf.	✓					
# 128	S	3-9-20		Surf.	✓					
# 129	S	3-9-20		Surf.	✓					
# 130	S	3-9-20		Surf.	✓					

Total 200.7 / 6010 200.8 / 6020: BRCRA 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 Ti Sn U V Zn
 Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: BRCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U 1631 / 245.1 / 7470 / 7471 : Hg

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Relinquished by: (Signature) Teressa Amendarez Received by: (Signature) Teressa Amendarez Date/Time 3-10-20
 Relinquished by: (Signature) Teressa Amendarez Received by: (Signature) Teressa Amendarez Date/Time



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) 449-8900

Work Order No: 1055398

17

Project Manager:	Joel Lowry	Bill to: (if different)	Ralph Ferreira
Company Name:	Etech Environmental & Safety	Company Name:	Good Night M. J. Stream
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechny.com + Client
Project Name:	Serrano	Turn Around	
Project Number:	10786	Routine:	<input checked="" type="checkbox"/>
Project Location:	Len County	Rush:	<input type="checkbox"/>
Sampler's Name:	Eric Magaña	Due Date:	
PO #:			

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code				Sample Comments
					Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005	
# 131	S	3-1-20		S.v.f.	✓				
# 132	S	3-4-20		S.v.f.	✓				
# 133	S	3-4-20		S.v.f.	✓				
# 134	S	3-4-20		S.v.f.	✓				
# 135	S	3-4-20		S.v.f.	✓				
# 136	S	3-4-20		S.v.f.	✓				
# 137	S	3-4-20		S.v.f.	✓				
# 138	S	3-4-20		S.v.f.	✓				
# 139	S	3-4-20		S.v.f.	✓				
# 140	S	3-4-20		S.v.f.	✓				

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 Ti 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 Ti 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
Eric Magaña	Teresa Arrendano	3-16-20	Teresa Arrendano	[Signature]	



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) 985-3443, 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) 449-9800

Work Order No:

155398

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Page

16 of 17

17

Project Manager:	Joel Lowry	Bill to: (if different)	Ralph Tigerina
Company Name:	Etech Environmental & Safety	Company Name:	Good Night Mid Stream
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechnv.com + Client

Project Name:	Seena	Turn Around	
Project Number:	10786	Routine:	<input checked="" type="checkbox"/>
Project Location:	Lea County	Rush:	<input type="checkbox"/>
Sampler's Name:	Eric Mojica	Due Date:	
PO #:			

Temperature (°C):		Temp Blank:	Yes	No	Well Ice:	Yes	No
Received Inact:		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	ANALYSIS REQUEST				Preservative Codes
					Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	
# 151	S	3-9-20		5 v.v.f.	✓				
# 152	S	3-9-20		5 v.v.f.	✓				
# 153	S	3-9-20		5 v.v.f.	✓				
# 154	S	3-9-20		5 v.v.f.	✓				
# 155	S	3-9-20		5 v.v.f.	✓				
# 156	S	3-9-20		5 v.v.f.	✓				
# 157	S	3-9-20		5 v.v.f.	✓				
# 158	S	3-9-20		5 v.v.f.	✓				
# 159	S	3-9-20		5 v.v.f.	✓				
# 160	S	3-9-20		5 v.v.f.	✓				

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 Ti 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 Ti 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
<i>E. Ziegler</i>	<i>Tessa Arvadarell</i>	3-10-20	<i>Tessa Arvadarell</i>	<i>[Signature]</i>	

Revised Date 10-1-19 Rev. 2019.1



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) 820-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 889-6701
 Atlanta, GA (770) 449-8800

Work Order No: 155398

Project Manager:	Joel Lowry	Bill to: (if different)	Ralph Tegeria
Company Name:	Etech Environmental & Safety	Company Name:	Good Neighbor Mid Stream
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechny.com + Client

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Work Order Comments

Program: UST/PST PRP Brownfields RRC Superfund

State of Project:

Reporting Level: Level I Level II PST/US TRR Level I

Deliverables: EDD ADAPT Other:

Project Name:	Serrana	Turn Around	
Project Number:	10786	Routine:	<input checked="" type="checkbox"/>
Project Location:	Lea County	Rush:	<input type="checkbox"/>
Sampler's Name:	Eric Mojica	Due Date:	
PO #:			
SAMPLE RECEIPT	Temp Blank:	Yes	No
Temperature (°C):		Wet Ice:	Yes
Received In tact:	Yes	No	Thermometer ID
Cooler Custody Seals:	Yes	No	Correction Factor:
Sample Custody Seals:	Yes	No	Total Containers:

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	ANALYSIS REQUEST																	
					Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005													
# 161	S	3.9.20		S.v.f.	✓																	
# 162	S	3.9.20		S.v.f.	✓																	
# 163	S	3.9.20		S.v.f.	✓																	
# 164	S	3.9.20		S.v.f.	✓																	
# 165	S	3.9.20		S.v.f.	✓																	

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 Ti 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 Ti 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
	Teresa Armandarez	3.10.20		Teresa Armandarez	

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 03.12.2020 12.00.00 AM

Work Order #: 655398

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

Temperature Measuring device used : R9

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	1.3
#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?	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
#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: 03.12.2020
 Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 03.16.2020
 Jessica Kramer

Appendix D Photographic Log

Photographic Log

Photo Number: 1
Photo Direction: South
Photo Description: View of Surface Staining from the Initial Release



Photo Number: 2
Photo Direction: East
Photo Description: View of Surface Staining from the Initial Release



Photographic Log

Photo Number: 3	 <p>7/1/19, 8:24 AM +32.279416,-103.372974</p>
Photo Direction: Northeast	
Photo Description: View of Surface Staining from the Initial Release and initial surface scrape	

Photo Number: 4	 <p>7/1/19, 8:24 AM +32.279578,-103.372826</p>
Photo Direction: North	
Photo Description: View of Surface Staining from the Initial Release	

Photographic Log

Dates: 3/17/2020

Photo Number: 5	
Photo Direction: Southeast	
Photo Description: View of site from entrance road.	

Photo Number: 6	
Photo Direction: Northwest	
Photo Description: North and east area of pad.	

Photographic Log

Dates: 3/17/2020

Photo Number: 7	
Photo Direction: West	
Photo Description: West and center of pad showing storage tanks.	

Photo Number: 8	
Photo Direction: North	
Photo Description: Southeastern corner of pad.	