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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	nRM2022554489
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: *Targa Resources*	OGRID
Contact Name: *Joseph Tillman Austin*	Contact Telephone: *575-631-7093*
Contact email: *jaustin@targaresources.com*	Incident # *(assigned by OCD)*
Contact mailing address: *PO Box 1689, Lovington, NM 88260*	

Location of Release Source

Latitude *33.31132* Longitude *-103.61220*
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: *Bagley*	Site Type: *7" Steel Pipeline*
Date Release Discovered: *08/03/2020*	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
H	*S4*	*T12S*	*R33E*	*Lea*

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☒ Natural Gas	Volume Released (Mcf): *218.80*	Volume Recovered (Mcf): *0*
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release:
A leak was discovered on a Targa, 7-inch steel pipeline. This leak was the result of internal corrosion. Upon discovery of the leak Targa Resources isolated the leak until permanent repairs could be made. Targa determined that a section of pipe would be removed and replaced. During this event, Targa proceeded to isolate the section of pipe and replace the section of pipe with new pipe. After the line was verified to be safe to operate, Targa put the line back into service.

Form C-141
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State of New Mexico
Oil Conservation Division

Incident ID	nRM2022554489
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

☒ The source of the release has been stopped.

☒ The impacted area has been secured to protect human health and the environment.

☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

☐ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why: *This was a gas release only, there were no liquids released. The gas was emitted to atmosphere and no free-standing liquid accumulated on site.*

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: *Chris Price* Title: *Area Manager*

Signature: Chris Price Date: 8-11-20

Email: *cprice@targaresources.com* Telephone: *575-602-6005*

OCD Only

Received by: _____ Date: _____

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nRM2022554489
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: Chris Price Title: Area Manager

Signature: Date: 5-4-21

email: cprice@targaresources.com Telephone: (575)602-6005

OCD Only

Received by: Cristina Eads Date: 05/12/2021

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

Closure Approved by: Date: 06/16/2021

Printed Name: Cristina Eads Title: Environmental Specialist

State of New Mexico
Oil Conservation Division

Incident ID	nRM2022554489
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: Chris Price Title: Area Manager

Signature: _____ Date: _____

email: cprice@targaresources.com Telephone: (575)602-6005

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Remediation Summary & Soil Closure Request

Targa Midstream Services, LLC
Bagley 7-Inch
Lea County, New Mexico
Unit Letter "H", Section 4, Township 12 South, Range 22 East
Latitude 33.310876 North, Longitude 103.612268 West
NMOCD Reference No. nRM2022554489

Prepared By:

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

Ben J. Arguijo

Joel W. Lowry

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APPENDICES

1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Targa Midstream Services, LLC, has prepared this *Remediation Summary & Soil Closure Request* for the release site known as the Bagley 7-Inch (henceforth, "Site"). Details of the release are summarized below:

Location of Release Source

Latitude: 33.310876 Longitude: -103.612268

Provided GPS are in WGS84 format.

Site Name:	Bagley 7-Inch	Site Type:	Pipeline
Date Release Discovered:	8/3/2020	API # (if applicable):	N/A

Unit Letter	Section	Township	Range	County
"H"	4	12S	22E	Lea

Surface Owner: [X] State [ ] Federal [ ] Tribal [ ] Private (Name _____)

Nature and Volume of Release

[ ] Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
[ ] Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water > 10,000 mg/L?	[ ] Yes [ ] No [ ] N/A
[ ] Condensate	Volume Released (bbls)	Volume Recovered (bbls)
[X] Natural Gas	Volume Released (Mcf) 218.8	Volume Recovered (Mcf) 0
[ ] Other (describe)	Volume/Weight Released	Volume/Weight Recovered

Cause of Release:

A leak was discovered on a Targa, 7-inch steel pipeline. This leak was the result of internal corrosion. Upon discovery of the leak Targa Resources isolated the leak until permanent repairs could be made. Targa determined that a section of pipe would be removed and replaced. During this event, Targa proceeded to isolate the section of pipe and replace the section of pipe with new pipe. After the line was verified to be safe to operate, Targa put the line back into service.

Initial Response

- [X] The source of the release has been stopped.
- [X] The impacted area has been secured to protect human health and the environment.
- [X] Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices
- [X] All free liquids and recoverable materials have been removed and managed appropriately.

Previously submitted portions of the NMOCD Form C-141 are available 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 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?	52'
Did the release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas not on an exploration, development, production or storage site?	☒ Yes ☐ No

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

3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

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

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

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

4.0 INITIAL SITE ASSESSMENT

On September 29, 2020, Etech conducted an initial site assessment. During the initial site assessment, a series of hand-augered soil bores were advanced within the release margins in an effort to determine the vertical extent of impacted soil. In addition, hand-augered soil bores were advanced at the inferred edges of the affected area in an effort to determine the horizontal extent of impacted soil. During the advancement of the hand-augered soil bores, field soil samples were collected and field-screened for the presence of Volatile Organic Compounds (VOCs) utilizing olfactory/visual senses and/or concentrations of chloride utilizing a Hach Quantab ® chloride test kit.

Based on field observations and field test data, ten (10) delineation soil samples (V1 @ 3', V1 @ 4', NH1 @ SURF, NH1 @ 2', EH1 @ SURF, EH1 @ 2', SH1 @ SURF, SH1 @ 2', WH1 @ SURF, and WH1 @ 2') were submitted to a certified commercial laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples, with the exceptions of soil samples V1 @ 3' (1,350 mg/kg GRO+DRO), V1 @ 4' (6,250 mg/kg TPH), EH1 @ 2' (1,520 mg/kg Cl-), and SH1 @ 2' (1,450 mg/kg Cl-). Based on laboratory analytical results, vertical and horizontal delineation was not achieved.

On November 13, 2020, Etech continued the initial site assessment. A test trench was advanced in the area characterized by sample point V1 in an effort to determine the vertical extent of impacted soil. In addition, hand-augered soil bores were advanced at the inferred edges of the affected area to the south and east in an effort to determine the horizontal extent of impacted soil. During the advancement of the test trench and hand-augered soil bores, field soil samples were collected and field-screened for the presence of VOCs utilizing olfactory/visual senses and/or concentrations of chloride utilizing a chloride test kit.

Based on field observations and field test data, five (5) delineation soil samples (#1 SOUTH 0-1', #2 SOUTH 1-2', #2 EAST 0-1', #2 EAST 1-2', and V 1 6') 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 six (6) feet below ground surface (bgs), and the horizontal extent of affected soil impacted above the NMOCD Closure Criteria was adequately defined.

5.0 PROPOSED REMEDIATION PLAN

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

- Excavate impacted soil affected above the NMOCD Closure Criteria within the release margins to a depth of approximately six (6) feet bgs.
- Advance excavation sidewalls horizontally until laboratory analytical results from confirmation soil samples indicate concentrations of chloride and TPH are below the NMOCD Reclamation Standard.
- Temporarily stockpile excavated soil on-site, pending transfer to an NMOCD-permitted disposal facility.
- Upon receiving laboratory analytical results from excavation confirmation soil samples, backfill the excavated area with locally sourced, non-impacted, "like" material.
- Upon completion of remediation activities, prepare a *Remediation Summary & Soil Closure Request* detailing field activities and laboratory analytical results from confirmation soil samples.

6.0 REGULATORY APPROVALS & STIPULATIONS

On December 28, 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 workplan was subsequently approved by the NMOCD.

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

On March 22, 2021, remediation activities commenced at the Site. In accordance with the NMOCD-approved workplan, impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standard was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. Olfactory/visual senses and a Hach Quantab ® chloride test kit were utilized to field-screen the horizontal and vertical extent of impacted soil and to guide the excavation. The floor and sidewalls of the excavation were advanced until field tests and field observations suggested BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria and/or NMOCD Reclamation Standard.

On March 25, 2021, Etech collected four (4) confirmation soil samples (NW1, SW1, FL1 @ 4', and FL2 @ 6') from the sidewalls and floor of the excavation. The soil samples were submitted to a certified commercial laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples, with the exception of soil sample FL2 @ 6' (81.1 mg/kg BTEX and 2,880 mg/kg TPH).

On March 26, 2021, Etech collected six (6) confirmation soil samples (EW1, WW1, and FL3 @ 4' through FL6 @ 4') from the sidewalls and floor of the excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On April 9, 2021, the excavation was further advanced in the areas characterized by soil samples EW1 and FL2 @ 6'. Etech collected five (5) confirmation soil samples (NWB, EWB, SWB, WWB, and FL2 @ 10') from the sidewalls and floor of the excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and/or chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples, with the exceptions of soil samples NWB (1,580 mg/kg TPH), EWB (1,500 mg/kg TPH), SWB (1,910 mg/kg TPH), and FL2 @ 10' (3,460 mg/kg TPH).

On April 15, 2021, the excavation was further advanced in the areas characterized by soil samples NWB, EWB, SWB, and FL2 @ 10'. Etech collected four (4) confirmation soil samples (NWC, EWC, SWC, and FL2 @ 13') from the sidewalls and floor of the excavation. The soil samples were submitted to the laboratory for analysis of TPH. Laboratory analytical results indicated TPH concentrations were below the NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

The final dimensions of the excavated area were approximately 50 feet in length, 10 to 28 feet in width, and four (4) to 13 feet in depth. During the course of remediation activities, approximately 316 cubic yards of impacted soil was transported to an NMOCD-permitted surface waste facility for disposal.

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

8.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

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

9.0 SOIL CLOSURE REQUEST

Remediation activities were conducted in accordance with an NMOCD-approved workplan. Impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standard was excavated and transported to an NMOCD-permitted disposal facility. Laboratory analytical results from confirmation soil samples indicate 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 Targa Midstream Services, LLC, provide copies of this *Remediation Summary & Soil Closure Request* to the appropriate agencies and request closure be granted to the Site.

10.0 LIMITATIONS

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

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

11.0 DISTRIBUTION

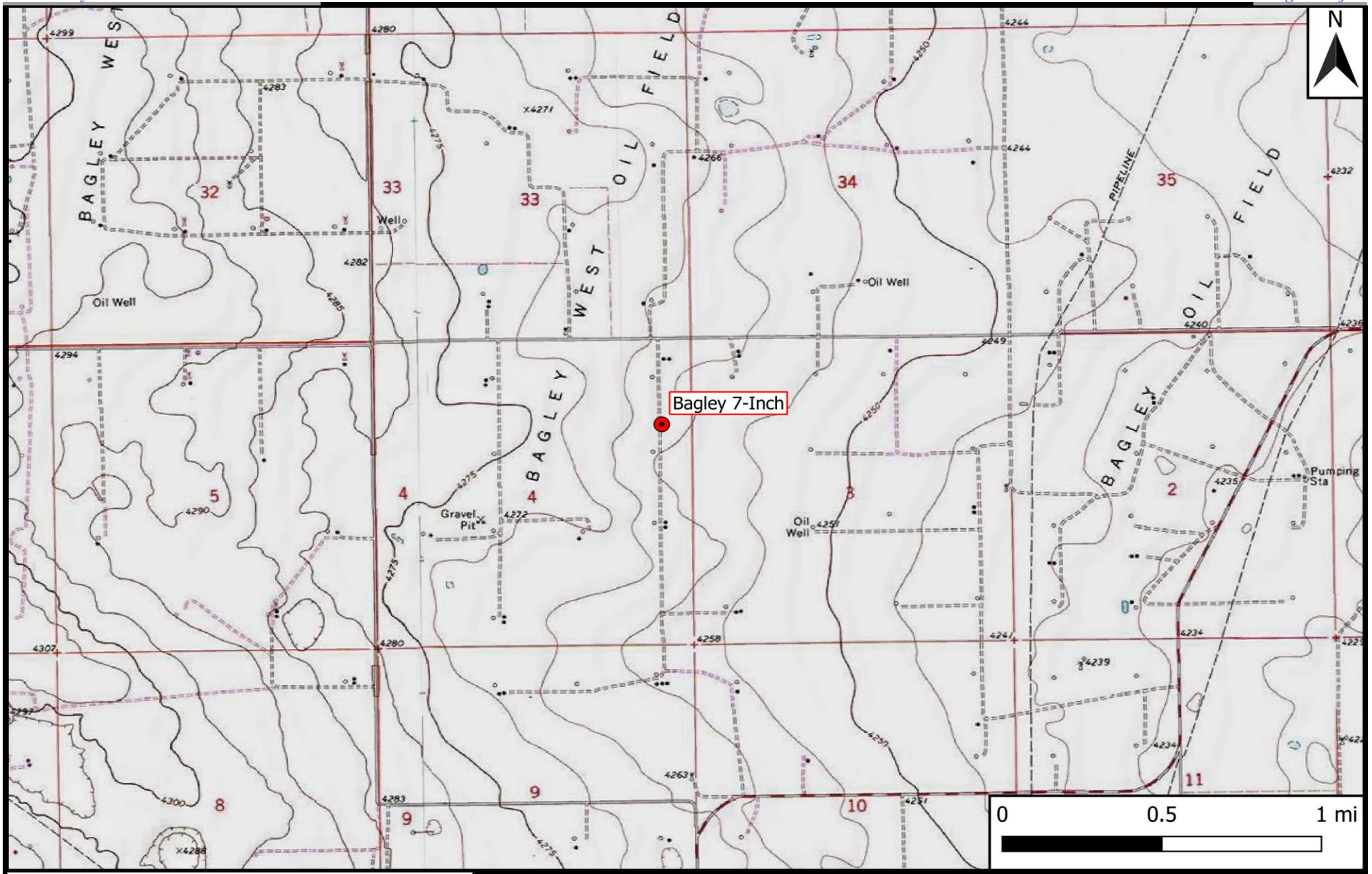
Targa Midstream Services, LLC
110 W 7th, Suite 2300
Tulsa, OK 74119

New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 1
1220 South St. Francis Drive
Santa Fe, NM 87505

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

(Electronic Submission)

Figure 1
Topographic Map



Legend

- Site Location

Figure 1

Topographic Map

Targa Midstream Services, LLC

Bagley 7-Inch

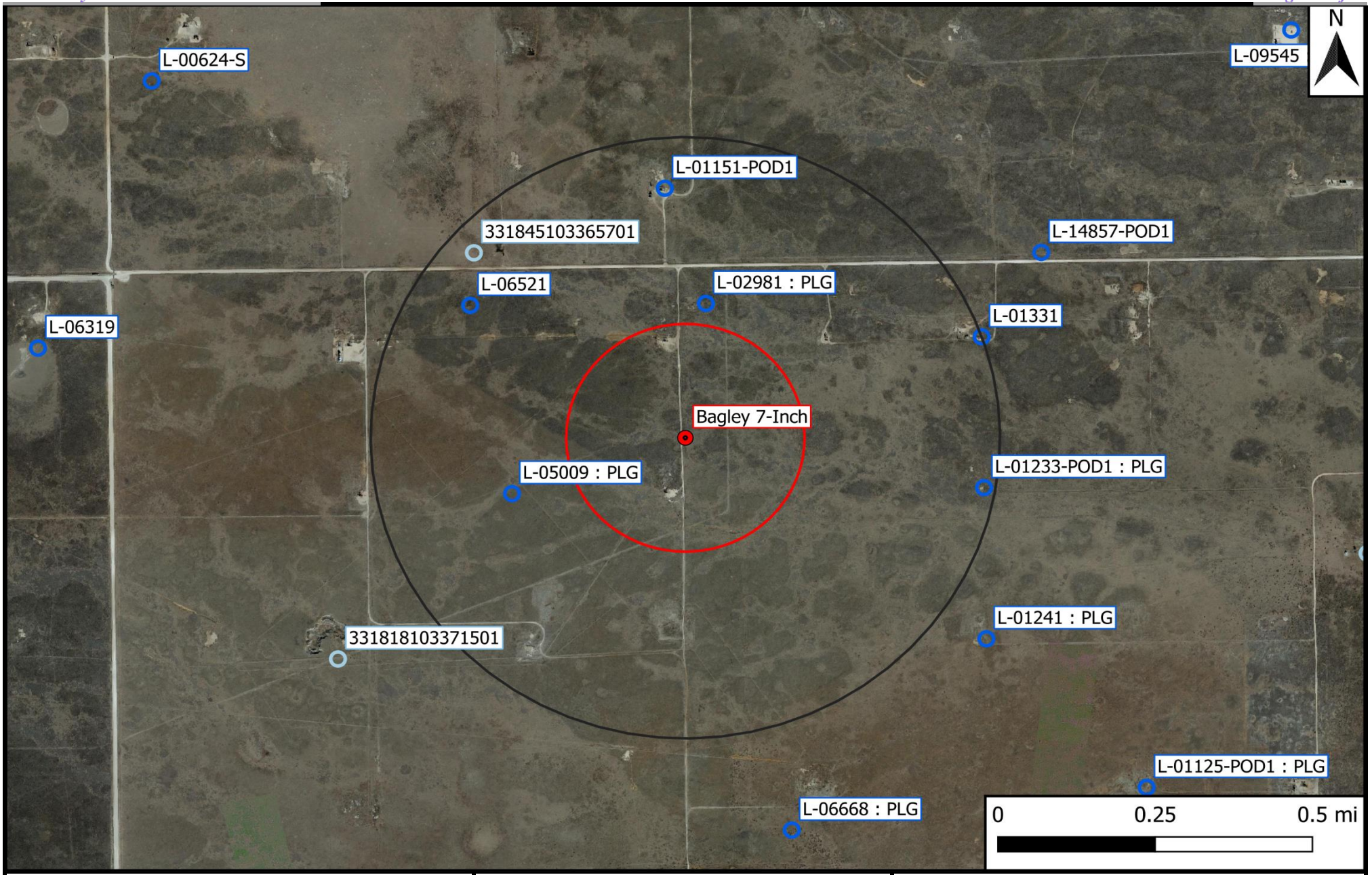
GPS: 33.310876, -103.612268

Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 4/29/21

Figure 2
Aerial Proximity Map



Legend

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

Figure 2

Aerial Proximity Map

Targa Midstream Services, LLC

Bagley 7-Inch

GPS: 33.310876, -103.612268

Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 4/29/21

Figure 3
Site & Sample Location Map

Legend

- Excavation Extent
- Composite Floor Sample
- Composite Wall Sample
- Pipeline

Figure 3

Site & Sample Location Map

Targa Midstream Services, LLC

Bagley 7-Inch

GPS: 33.310876, -103.612268

Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja

Checked: jwl Date: 4/30/21

Table 1
Concentrations of BTEX, TPH & Chloride in Soil

TABLE 1
CONCENTRATIONS OF BTEX, TPH & CHLORIDE IN SOIL
Targa Midstream Services, LLC
Bagley 7-Inch
NMOCD Ref. #: nRM2022554489

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**10,000**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
Sample ID	**Date**	**Depth**	**Soil Status**	**SW 846 8021B**		**SW 846 8015M Ext.**					**4500 Cl**
				Benzene (mg/kg)	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (mg/kg)**	**Chloride (mg/kg)**
Delineation Samples											
V1@3'	9/29/2020	3'	Excavated	0.129	11.8	749	605	**1,350**	<50.0	*1,350*	358
V1@4'	9/29/2020	4'	Excavated	1.37	**135**	4,800	1,360	**6,160**	94.6	**6,250**	416
NH1@SURF	9/29/2020	0'	In-Situ	<0.00199	<0.00199	<50.0	60.8	60.8	<50.0	60.8	13.6
NH1@2'	9/29/2020	2'	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	14.8
EH1@SURF	9/29/2020	0'	Excavated	<0.00201	<0.00201	<49.8	<49.8	<49.8	<49.8	<49.8	56.6
EH1@2'	9/29/2020	2'	Excavated	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	***1,520***
SH1@SURF	9/29/2020	0'	Excavated	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	12.3
SH1@2'	9/29/2020	2'	Excavated	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	***1,450***
WH1@SURF	9/29/2020	0'	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	12.6
WH1@2'	9/29/2020	2'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	11.8
#1 SOUTH 0-1'	11/13/2020	0'-1'	In-Situ	-	-	-	-	-	-	-	<16.0
#2 SOUTH 1-2'	11/13/2020	1'-2'	In-Situ	-	-	-	-	-	-	-	<16.0
#2 EAST 0-1'	11/13/2020	0'-1'	In-Situ	-	-	-	-	-	-	-	<16.0
#2 EAST 1-2'	11/13/2020	1'-2'	In-Situ	-	-	-	-	-	-	-	<16.0
V 1 6'	11/13/2020	6'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	-
Excavation Samples											
NW1	3/25/2021	0'-4'	In-Situ	<0.00200	<0.00200	<50.0	95.2	95.2	<50.0	95.2	27.4
NWB	4/9/2021	0'-10'	Excavated	<0.00202	0.0576	84.6	1,500	**1,580**	<49.9	*1,580*	393
NWC	4/15/2021	0'-13'	In-Situ	-	-	<49.9	<49.9	<49.9	<49.9	<49.9	-
EW1	3/26/2021	0'-4'	In-Situ	<0.00200	<0.00200	51.4	<49.8	51.4	<49.8	51.4	260
EWB	4/9/2021	0'-10'	Excavated	<0.00200	0.105	70.2	1,430	**1,500**	<50.0	*1,500*	348
EWC	4/15/2021	0'-13'	In-Situ	-	-	<50.1	<50.1	<50.1	<50.1	<50.1	-
SW1	3/25/2021	0'-4'	In-Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	40.0
SWB	4/9/2021	0'-10'	Excavated	<0.00200	0.0323	<50.0	1,910	**1,910**	<50.0	*1,910*	257
SWC	4/15/2021	0'-13'	In-Situ	-	-	<49.8	<49.8	<49.8	<49.8	<49.8	-
WW1	3/26/2021	0'-4'	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	250
WWB	4/9/2021	0'-10'	In-Situ	<0.00202	0.0921	128	398	526	<50.0	526	*626*
FL1 @ 4'	3/25/2021	4'	In-Situ	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	229
FL2 @ 6'	3/25/2021	6'	Excavated	<0.200	**81.1**	2,090	794	**2,880**	<48.8	**2,880**	466
FL2 @ 10'	4/9/2021	10'	Excavated	-	-	1,640	1,820	**3,460**	<49.9	**3,460**	-
FL2 @ 13'	4/15/2021	13'	In-Situ	-	-	<50.0	<50.0	<50.0	<50.0	<50.0	-
FL3 @ 4'	3/26/2021	4'	In-Situ	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	528
FL4 @ 4'	3/26/2021	4'	In-Situ	<0.00202	<0.00202	<49.7	<49.7	<49.7	<49.7	<49.7	580
FL5 @ 4'	3/26/2021	4'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	512
FL6 @ 4'	3/26/2021	4'	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	546

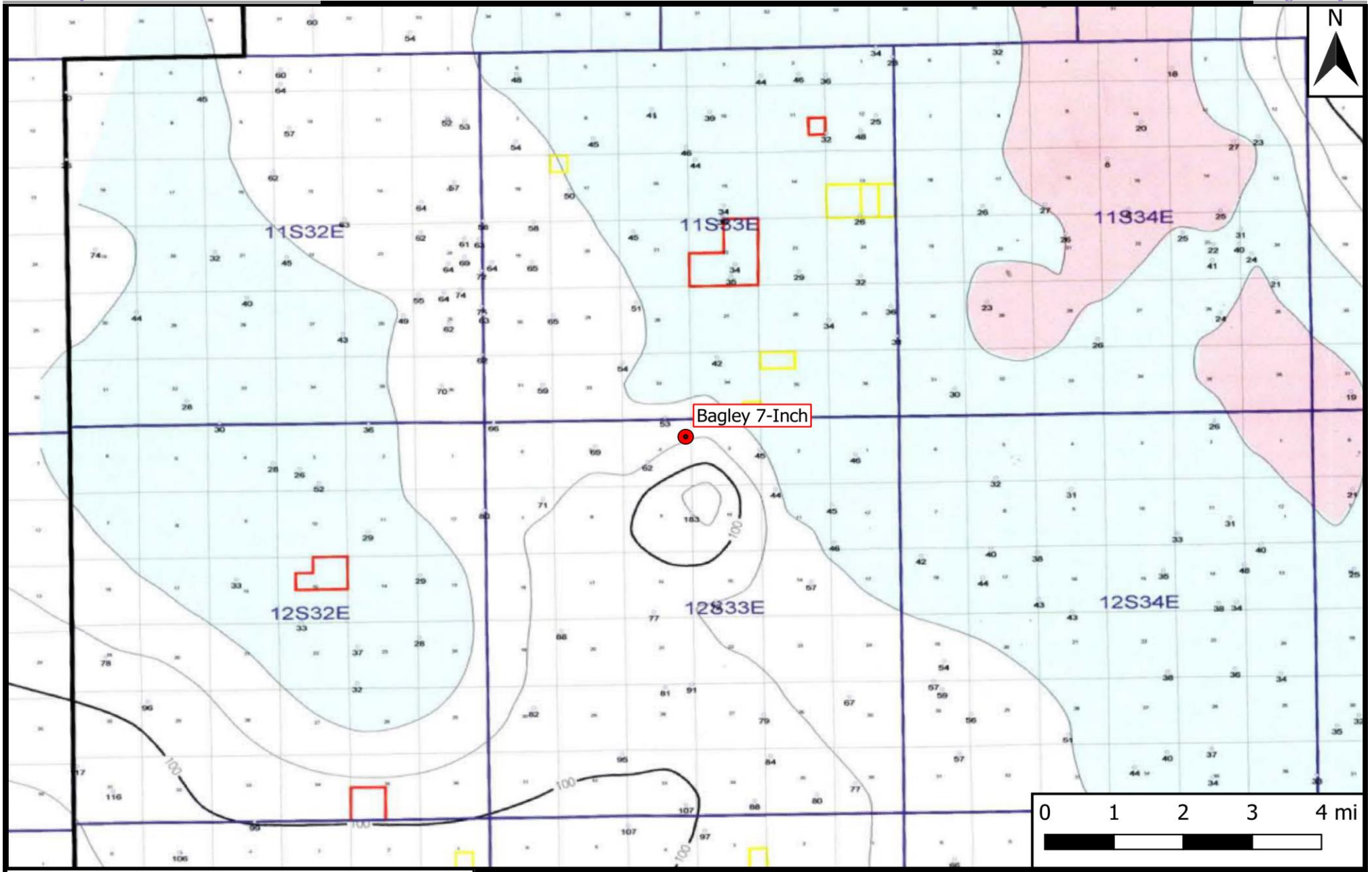
NOTES:

- = Sample not analyzed for that constituent.

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

Italicized text denotes a concentration that exceeds the NMOCD Reclamation Standard

Appendix A
Depth to Groundwater Information



Legend

- Site Location

Figure 4

Inferred Depth to Groundwater Trend Map

Targa Midstream Services, LLC

Bagley 7-Inch

GPS: 33.310876, -103.612268

Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 4/29/21

New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 02981		L	LE	2	2	2	04	12S	33E	629237	3686969*	312	143	70	73
L 05009		L	LE		3	2	04	12S	33E	628741	3686462*	491	110	40	70
L 01151 POD1		L	LE		4	4	33	11S	33E	629132	3687276*	618	130	50	80
L 06521		L	LE	1	1	2	04	12S	33E	628634	3686964*	633	130	60	70
L 01233 POD1		L	LE		4	1	03	12S	33E	629949	3686478*	780	130	45	85
L 01331		L	LE		2	1	03	12S	33E	629943	3686880*	784	125	68	57

Average Depth to Water: **55 feet**

Minimum Depth: **40 feet**

Maximum Depth: **70 feet**

Record Count: 6

UTMNAD83 Radius Search (in meters):

Easting (X): 629190.34 **Northing (Y):** 3686660.14 **Radius:** 804.67

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

9/24/20 9:15 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	Twn	Rng	X	Y
	L 01151 POD1		4	4	33	11S	33E	629132	3687276*

Driller License: **Driller Company:**

Driller Name: CLAUDE TATUM

Drill Start Date:	07/20/1951	**Drill Finish Date:**	07/26/1951	**Plug Date:**	
Log File Date:	09/12/1952	**PCW Rcv Date:**	09/17/1952	**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	7.00	**Depth Well:**	130 feet	**Depth Water:**	50 feet

Water Bearing Stratifications:	Top	Bottom	Description
	50	130	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	100	130

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

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
	L 01233 POD1		4	1	03	12S	33E	629949	3686478*

Driller License: **Driller Company:**

Driller Name: CLAUDE TATUM

Drill Start Date:	10/16/1951	**Drill Finish Date:**	10/17/1951	**Plug Date:**	07/30/1952
Log File Date:	02/18/1952	**PCW Rcv Date:**	03/20/1953	**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	7.00	**Depth Well:**	130 feet	**Depth Water:**	45 feet

Water Bearing Stratifications:	Top	Bottom	Description
	45	130	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	90	130

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

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twsp	Rng	X	Y
	L 01331		2	1	03	12S	33E	629943	3686880*

Driller License: 33 **Driller Company:** TATUM CLAUDE E.

Driller Name: TATUM, CLAUDE E.

Drill Start Date:	01/09/1952	**Drill Finish Date:**	01/10/1952	**Plug Date:**	
Log File Date:	02/18/1952	**PCW Rcv Date:**	03/20/1953	**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**	125 feet	**Depth Water:**	68 feet

Water Bearing Stratifications:	Top	Bottom	Description
	70	125	Sandstone/Gravel/Conglomerate

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

New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	L 02981	2	2	2	04	12S	33E	629237	3686969*

Driller License: 116 **Driller Company:** MATTHEWS DRILLING CO.

Driller Name: JAMES WILLIAM MATTHEWS

Drill Start Date:	09/30/1955	**Drill Finish Date:**	09/30/1955	**Plug Date:**	09/26/1956
Log File Date:	10/01/1956	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**	143 feet	**Depth Water:**	70 feet

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

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
	L 05009	3	2		04	12S	33E	628741	3686462*

Driller License: 274 **Driller Company:** BAKER, E.B. DRILLING COMPANY

Driller Name:

Drill Start Date:	12/04/1962	**Drill Finish Date:**	12/04/1962	**Plug Date:**	04/30/1963
Log File Date:	01/11/1963	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**	110 feet	**Depth Water:**	40 feet

Water Bearing Stratifications:	Top	Bottom	Description
	50	108	Sandstone/Gravel/Conglomerate

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

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
	L 06521	1	1	2	04	12S	33E	628634	3686964*

Driller License: 46 **Driller Company:** ABBOTT BROTHERS COMPANY

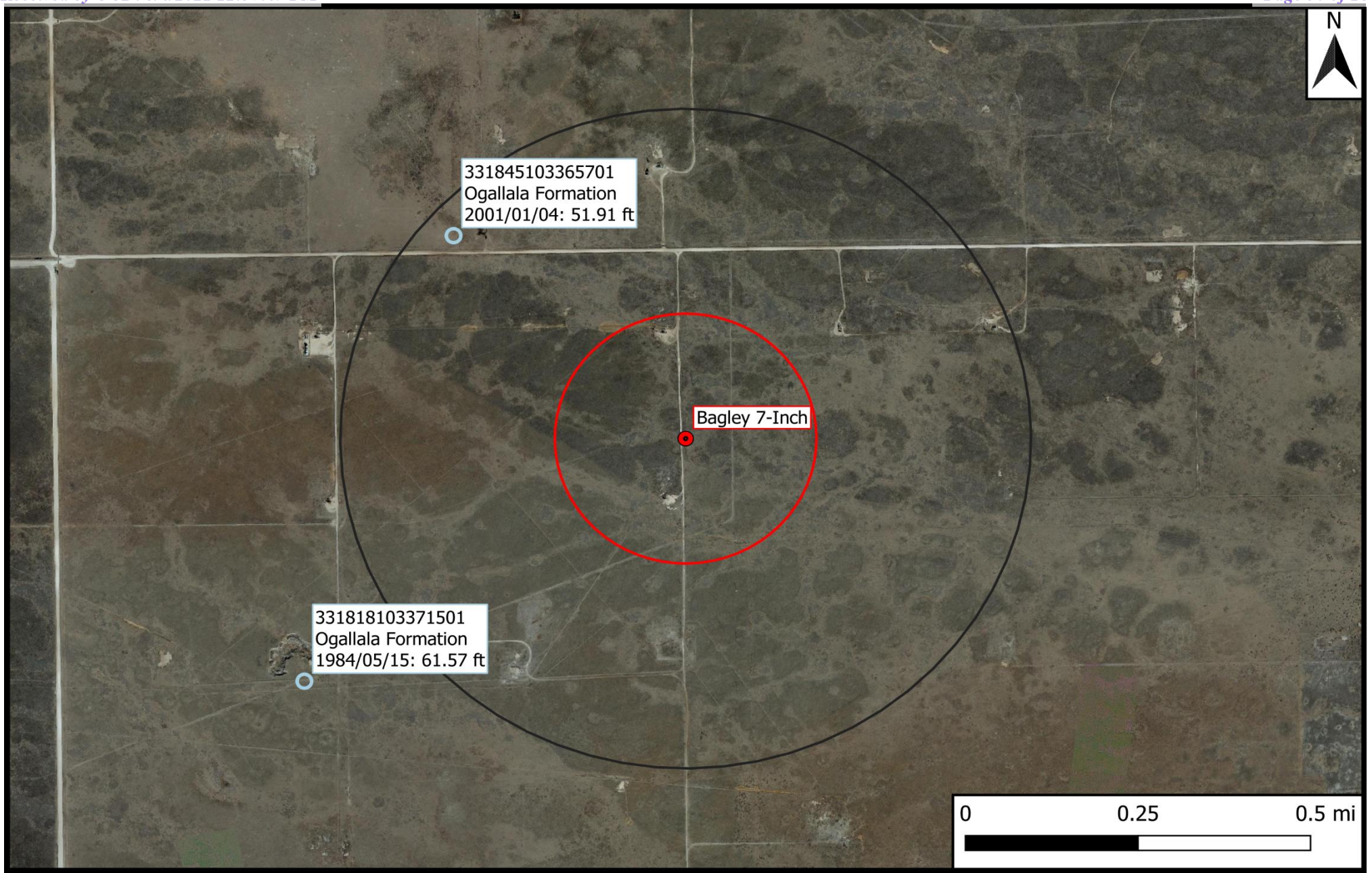
Driller Name: MURRELL ABBOTT

Drill Start Date:	05/07/1969	**Drill Finish Date:**	05/08/1969	**Plug Date:**	01/18/1973
Log File Date:	05/21/1969	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**	130 feet	**Depth Water:**	60 feet

Water Bearing Stratifications:	Top	Bottom	Description
	60	81	Sandstone/Gravel/Conglomerate
	103	130	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	85	127

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



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

Figure 5
USGS Well Proximity Map
Targa Midstream Services, LLC
Bagley 7-Inch
GPS: 33.310876, -103.612268
Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 4/29/21

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Groundwater levels for the Nation

* IMPORTANT: Next Generation Station Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 331818103371501

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 331818103371501 12S.33E.04.32322

Lea County, New Mexico
Latitude 33°18'20", Longitude 103°37'17" NAD27
Land-surface elevation 4,271.00 feet above NGVD29
The depth of the well is 102 feet below land surface.
This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1984-05-15		D	72019	61.57			1	Z			A

Explanation

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

Questions about sites/data?
Feedback on this web site
Automated retrievals
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Data Tips
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U.S. Department of the Interior | U.S. Geological Survey

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

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2021-04-29 23:49:30 EDT
0.4 0.33 nadww01

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Groundwater levels for the Nation

* IMPORTANT: Next Generation Station Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 331845103365701

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 331845103365701 11S.33E.33.433442

Lea County, New Mexico
Latitude 33°18'55", Longitude 103°37'03" NAD27
Land-surface elevation 4,268.50 feet above NGVD29
The depth of the well is 80 feet below land surface.
This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1961-01-19		D	72019	54.37			1	Z			A
1966-02-09		D	72019	54.90			1	Z			A
1971-03-18		D	72019	54.42			1	Z			A
1976-05-26		D	72019	54.95			1	Z			A
1981-02-13		D	72019	56.02			1	Z			A
1984-05-09		D	72019	55.08			1	Z			A

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1986-01-09		D	72019	54.67			1	Z			A
1990-11-29		D	72019	53.54			1	Z			A
1996-01-23		D	72019	52.53			1	S			A
2001-01-04		D	72019	51.91			1	S			A

Explanation

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

Appendix B
Field Data & Soil Profile Logs

eTECH Environmental & Safety Solutions, Inc.

Sample Log

Date: 9-29, 11-13, 11-17

Project: Bagley 7-Inch

Project Number: 13146 Latitude: 33.310876 Longitude: -103.612268

Sample ID	PID/Odor	Chloride Conc.	GPS
V1@1	Strong	990	
V1@2	Strong	446	
V1@3	Slight	400	
V1@4	very strong	400	
NH1@surf	None	ND	
NH1@2'	none	ND	
EH1@surf	None	ND	
EH1@2'	none	1350	
SH1@surf	none	ND	
SH1@1'	none	790	
SH1@2'	None	1520	
WH1@surf	none	ND	
WH1@1'	none	340	
WH1@2'	none	ND	
V1@5'	Slight	ND	
V1@6'	none	N/A	
#1 South 0-1'	none	ND	
#2 South 1-2'	None	ND	
#2 East 0-1'	none	ND	
#2 East 1-2'	None	ND	

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

eTECH Environmental & Safety Solutions, Inc.

Sample Log

Date: 3/26/21

Project: Bagley 7-Inch

Project Number: 13146 Latitude: 33.310876 Longitude: -103.612268

Sample ID	PID/Odor	Chloride Conc.	GPS
FL1@4'	-	404	
NW 1	-	248	
EW 1	-	496	
WW 1	-	>128	
SW 1	-	160	
FL2@4'	-	386	
FL3@4'	-	370	
FL4@4'	-	248	
FL5@4'	-	404	
FL6@4'	-	>128	

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 Ar

ETECH Environmental & Safety Solutions, Inc.

Soil Profile

Date: 11-13

Project: Bagley 7-Inch

Project Number: 13146 Latitude: 33.310876 Longitude: -103.612268

Depth (ft. bgs)	Description
0-2'	gravel, slight topsoil
2-4'	rock, caprock
4-6'	rock, caprock - clay mix

Appendix C
Laboratory Analytical Reports

eurofins | Environment Testing Xenco

Certificate of Analysis Summary 673890

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Bagley 7"

Project Id: 13146
Contact: Brandon Smitherman
Project Location: Lea County, NM

Date Received in Lab: Wed 09.30.2020 09:35
Report Date: 10.05.2020 13:02
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	673890-001		673890-002		673890-003		673890-004		673890-005		673890-006	
	Field Id:	V1@3'		V1@4'		NH1@SURF		NH1@2'		EH1@SURF		EH1@2'	
	Depth:	3- ft		4- ft				2- ft				2- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	09.29.2020 14:05		09.29.2020 14:10		09.29.2020 14:20		09.29.2020 14:25		09.29.2020 14:30		09.29.2020 14:35	
BTEX by EPA 8021B SUB: T104704400-20-21	***Extracted:***	10.01.2020 17:00		10.01.2020 17:00		10.02.2020 09:00		10.02.2020 09:00		10.02.2020 09:00		10.02.2020 09:00	
	Analyzed:	10.01.2020 20:28		10.01.2020 20:49		10.02.2020 17:16		10.02.2020 17:37		10.02.2020 17:57		10.02.2020 18:18	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		0.129	0.0402	1.37	0.0397	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00198	0.00198
Toluene		3.90	0.0402	21.4 D	0.198	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00198	0.00198
Ethylbenzene		4.05	0.0402	18.7 D	0.198	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00198	0.00198
m,p-Xylenes		2.92	0.0803	70.5 D	0.397	<0.00398	0.00398	<0.00398	0.00398	<0.00402	0.00402	<0.00397	0.00397
o-Xylene		0.827	0.0402	22.7 D	0.198	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00198	0.00198
Total Xylenes		3.75	0.0402	93.2	0.198	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00198	0.00198
Total BTEX		11.8	0.0402	135	0.0397	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00198	0.00198
Inorganic Anions by EPA 300 SUB: T104704400-20-21	***Extracted:***	10.01.2020 16:15		10.01.2020 16:15		10.01.2020 16:15		10.01.2020 16:15		10.01.2020 16:15		10.01.2020 16:15	
	Analyzed:	10.02.2020 16:44		10.02.2020 16:49		10.02.2020 16:54		10.02.2020 16:59		10.02.2020 17:15		10.02.2020 17:21	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		358	4.98	416	5.00	13.6	5.02	14.8	4.96	56.6	5.05	1520	24.9
TPH by SW8015 Mod SUB: T104704400-20-21	***Extracted:***	10.01.2020 11:15		10.01.2020 11:15		10.01.2020 11:15		10.01.2020 11:15		10.01.2020 11:15		10.01.2020 11:15	
	Analyzed:	10.01.2020 15:33		10.01.2020 15:55		10.01.2020 16:17		10.01.2020 16:39		10.01.2020 17:01		10.01.2020 17:23	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		749	50.0	4800	49.9	<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0
Diesel Range Organics (DRO)		605	50.0	1360	49.9	60.8	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	94.6	49.9	<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0
Total TPH		1350	50.0	6250	49.9	60.8	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

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

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Certificate of Analysis Summary 673890

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Bagley 7"

Project Id: 13146
Contact: Brandon Smitherman
Project Location: Lea County, NM

Date Received in Lab: Wed 09.30.2020 09:35
Report Date: 10.05.2020 13:02
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	673890-007		673890-008		673890-009		673890-010					
	Field Id:	SH1@SURF		SH1@2'		WH1@SURF		WH1@2'					
	Depth:			2- ft				2- ft					
	Matrix:	SOIL		SOIL		SOIL		SOIL					
	Sampled:	09.29.2020 14:40		09.29.2020 14:45		09.29.2020 14:55		09.29.2020 15:00					
BTEX by EPA 8021B	***Extracted:***	10.02.2020 09:00		10.02.2020 09:00		10.02.2020 09:00		10.02.2020 09:00					
SUB: T104704400-20-21	***Analyzed:***	10.02.2020 18:38		10.02.2020 18:59		10.02.2020 19:19		10.02.2020 19:40					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Benzene		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199				
Toluene		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199				
Ethylbenzene		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199				
m,p-Xylenes		<0.00396	0.00396	<0.00400	0.00400	<0.00401	0.00401	<0.00398	0.00398				
o-Xylene		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199				
Total Xylenes		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199				
Total BTEX		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199				
Inorganic Anions by EPA 300	***Extracted:***	10.01.2020 16:15		10.01.2020 16:15		10.01.2020 16:15		10.01.2020 16:15					
SUB: T104704400-20-21	***Analyzed:***	10.02.2020 17:26		10.02.2020 17:31		10.02.2020 17:37		10.02.2020 17:42					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		12.3	4.99	1450	25.2	12.6	5.00	11.8 X	4.96				
TPH by SW8015 Mod	***Extracted:***	10.01.2020 11:15		10.01.2020 11:15		10.01.2020 11:15		10.01.2020 11:15					
SUB: T104704400-20-21	***Analyzed:***	10.01.2020 18:07		10.01.2020 18:29		10.01.2020 18:51		10.01.2020 19:12					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0				
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0				
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0				
Total TPH		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0				

BRL - Below Reporting Limit

Jessica Kramer

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Analytical Report 673890

for

Etech Environmental & Safety Solution, Inc

Project Manager: Brandon Smitherman

Bagley 7"

13146

10.05.2020

Collected By: Client

6701 Aberdeen, Suite 9 Lubbock, TX 79424

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

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

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

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10.05.2020

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

Reference: Eurofins Xenco, LLC Report No(s): **673890**
Bagley 7"
Project Address: Lea County, NM

Brandon Smitherman:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 673890. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 673890 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

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

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Sample Cross Reference 673890

Etech Environmental & Safety Solution, Inc, Midland, TX

Bagley 7"

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
V1@3'	S	09.29.2020 14:05	3 ft	673890-001
V1@4'	S	09.29.2020 14:10	4 ft	673890-002
NH1@SURF	S	09.29.2020 14:20	N/A	673890-003
NH1@2'	S	09.29.2020 14:25	2 ft	673890-004
EH1@SURF	S	09.29.2020 14:30	N/A	673890-005
EH1@2'	S	09.29.2020 14:35	2 ft	673890-006
SH1@SURF	S	09.29.2020 14:40	N/A	673890-007
SH1@2'	S	09.29.2020 14:45	2 ft	673890-008
WH1@SURF	S	09.29.2020 14:55	N/A	673890-009
WH1@2'	S	09.29.2020 15:00	2 ft	673890-010

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CASE NARRATIVE

Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Bagley 7"

Project ID: *13146*
Work Order Number(s): *673890*

Report Date: *10.05.2020*
Date Received: *09.30.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3138612 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected. Samples affected are: 673890-002.

Batch: LBA-3138679 Inorganic Anions by EPA 300

Lab Sample ID 674012-041 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered above QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 673890-001, -002, -003, -004, -005, -006, -007, -008, -009, -010.

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

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Certificate of Analytical Results 673890

Etech Environmental & Safety Solution, Inc, Midland, TX

Bagley 7"

Sample Id: **V1@3'** Matrix: Soil Date Received:09.30.2020 09:35

Lab Sample Id: 673890-001 Date Collected: 09.29.2020 14:05 Sample Depth: 3 ft

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

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 10.01.2020 16:15 Basis: Wet Weight

Seq Number: 3138679 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**358**	4.98	mg/kg	10.02.2020 16:44		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 10.01.2020 11:15 Basis: Wet Weight

Seq Number: 3138683 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**749**	50.0	mg/kg	10.01.2020 15:33		1
Diesel Range Organics (DRO)	C10C28DRO	**605**	50.0	mg/kg	10.01.2020 15:33		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.01.2020 15:33	U	1
Total TPH	PHC635	**1350**	50.0	mg/kg	10.01.2020 15:33		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-130	10.01.2020 15:33	
o-Terphenyl	84-15-1	102	%	70-130	10.01.2020 15:33	

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Certificate of Analytical Results 673890

Etech Environmental & Safety Solution, Inc, Midland, TX

Bagley 7"

Sample Id:	**V1@3'**	Matrix:	Soil	Date Received:	09.30.2020 09:35
Lab Sample Id:	673890-001	Date Collected:	09.29.2020 14:05	Sample Depth:	3 ft

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	10.01.2020 17:00	Basis:	Wet Weight
Seq Number:	3138612			SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.129**	0.0402	mg/kg	10.01.2020 20:28		20
Toluene	108-88-3	**3.90**	0.0402	mg/kg	10.01.2020 20:28		20
Ethylbenzene	100-41-4	**4.05**	0.0402	mg/kg	10.01.2020 20:28		20
m,p-Xylenes	179601-23-1	**2.92**	0.0803	mg/kg	10.01.2020 20:28		20
o-Xylene	95-47-6	**0.827**	0.0402	mg/kg	10.01.2020 20:28		20
Total Xylenes	1330-20-7	**3.75**	0.0402	mg/kg	10.01.2020 20:28		20
Total BTEX		**11.8**	0.0402	mg/kg	10.01.2020 20:28		20

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	10.01.2020 20:28	
4-Bromofluorobenzene	460-00-4	127	%	70-130	10.01.2020 20:28	

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Certificate of Analytical Results 673890

Etech Environmental & Safety Solution, Inc, Midland, TX

Bagley 7"

Sample Id:	**V1@4'**	Matrix:	Soil	Date Received:	09.30.2020 09:35
Lab Sample Id:	673890-002	Date Collected:	09.29.2020 14:10	Sample Depth:	4 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	10.01.2020 16:15	Basis:	Wet Weight
Seq Number:	3138679			SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**416**	5.00	mg/kg	10.02.2020 16:49		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	10.01.2020 11:15	Basis:	Wet Weight
Seq Number:	3138683			SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**4800**	49.9	mg/kg	10.01.2020 15:55		1
Diesel Range Organics (DRO)	C10C28DRO	**1360**	49.9	mg/kg	10.01.2020 15:55		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**94.6**	49.9	mg/kg	10.01.2020 15:55		1
Total TPH	PHC635	**6250**	49.9	mg/kg	10.01.2020 15:55		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-130	10.01.2020 15:55	
o-Terphenyl	84-15-1	116	%	70-130	10.01.2020 15:55	

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Certificate of Analytical Results 673890

Etech Environmental & Safety Solution, Inc, Midland, TX

Bagley 7"

Sample Id:	**V1@4'**	Matrix:	Soil	Date Received:	09.30.2020 09:35
Lab Sample Id:	673890-002	Date Collected:	09.29.2020 14:10	Sample Depth:	4 ft

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	10.01.2020 17:00	Basis:	Wet Weight
Seq Number:	3138612			SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**1.37**	0.0397	mg/kg	10.01.2020 20:49		20
Toluene	108-88-3	**21.4**	0.198	mg/kg	10.02.2020 12:50	D	100
Ethylbenzene	100-41-4	**18.7**	0.198	mg/kg	10.02.2020 12:50	D	100
m,p-Xylenes	179601-23-1	**70.5**	0.397	mg/kg	10.02.2020 12:50	D	100
o-Xylene	95-47-6	**22.7**	0.198	mg/kg	10.02.2020 12:50	D	100
Total Xylenes	1330-20-7	**93.2**	0.198	mg/kg	10.02.2020 12:50		100
Total BTEX		**135**	0.0397	mg/kg	10.02.2020 12:50		100

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	383	%	70-130	10.01.2020 20:49	**
1,4-Difluorobenzene	540-36-3	91	%	70-130	10.01.2020 20:49	

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Certificate of Analytical Results 673890

Etech Environmental & Safety Solution, Inc, Midland, TX

Bagley 7"

Sample Id: **NH1@SURF** Matrix: Soil Date Received:09.30.2020 09:35

Lab Sample Id: 673890-003 Date Collected: 09.29.2020 14:20

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

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 10.01.2020 16:15 Basis: Wet Weight

Seq Number: 3138679 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**13.6**	5.02	mg/kg	10.02.2020 16:54		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 10.01.2020 11:15 Basis: Wet Weight

Seq Number: 3138683 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.01.2020 16:17	U	1
Diesel Range Organics (DRO)	C10C28DRO	**60.8**	50.0	mg/kg	10.01.2020 16:17		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.01.2020 16:17	U	1
Total TPH	PHC635	**60.8**	50.0	mg/kg	10.01.2020 16:17		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-130	10.01.2020 16:17	
o-Terphenyl	84-15-1	84	%	70-130	10.01.2020 16:17	

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Certificate of Analytical Results 673890

Etech Environmental & Safety Solution, Inc, Midland, TX

Bagley 7"

Sample Id:	**NH1@SURF**	Matrix:	Soil	Date Received:	09.30.2020 09:35
Lab Sample Id:	673890-003	Date Collected:	09.29.2020 14:20		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	10.02.2020 09:00	Basis:	Wet Weight
Seq Number:	3138779			SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	10.02.2020 17:16	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	10.02.2020 17:16	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	10.02.2020 17:16	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	10.02.2020 17:16	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	10.02.2020 17:16	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	10.02.2020 17:16	U	1
Total BTEX		<0.00199	0.00199	mg/kg	10.02.2020 17:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	10.02.2020 17:16	
4-Bromofluorobenzene	460-00-4	110	%	70-130	10.02.2020 17:16	

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Certificate of Analytical Results 673890

Etech Environmental & Safety Solution, Inc, Midland, TX

Bagley 7"

Sample Id: **NH1@2'** Matrix: Soil Date Received:09.30.2020 09:35

Lab Sample Id: 673890-004 Date Collected: 09.29.2020 14:25 Sample Depth: 2 ft

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

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 10.01.2020 16:15 Basis: Wet Weight

Seq Number: 3138679 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**14.8**	4.96	mg/kg	10.02.2020 16:59		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 10.01.2020 11:15 Basis: Wet Weight

Seq Number: 3138683 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	10.01.2020 16:39	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	10.01.2020 16:39	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	10.01.2020 16:39	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	10.01.2020 16:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-130	10.01.2020 16:39	
o-Terphenyl	84-15-1	88	%	70-130	10.01.2020 16:39	

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Certificate of Analytical Results 673890

Etech Environmental & Safety Solution, Inc, Midland, TX

Bagley 7"

Sample Id:	**NH1@2'**	Matrix:	Soil	Date Received:	09.30.2020 09:35
Lab Sample Id:	673890-004	Date Collected:	09.29.2020 14:25	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	10.02.2020 09:00	Basis:	Wet Weight
Seq Number:	3138779			SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	10.02.2020 17:37	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	10.02.2020 17:37	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	10.02.2020 17:37	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	10.02.2020 17:37	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	10.02.2020 17:37	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	10.02.2020 17:37	U	1
Total BTEX		<0.00199	0.00199	mg/kg	10.02.2020 17:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	10.02.2020 17:37	
4-Bromofluorobenzene	460-00-4	105	%	70-130	10.02.2020 17:37	

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Certificate of Analytical Results 673890

Etech Environmental & Safety Solution, Inc, Midland, TX

Bagley 7"

Sample Id: **EH1@SURF** Matrix: Soil Date Received:09.30.2020 09:35

Lab Sample Id: 673890-005 Date Collected: 09.29.2020 14:30

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

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 10.01.2020 16:15 Basis: Wet Weight

Seq Number: 3138679 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**56.6**	5.05	mg/kg	10.02.2020 17:15		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 10.01.2020 11:15 Basis: Wet Weight

Seq Number: 3138683 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	10.01.2020 17:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	10.01.2020 17:01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	10.01.2020 17:01	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	10.01.2020 17:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-130	10.01.2020 17:01	
o-Terphenyl	84-15-1	84	%	70-130	10.01.2020 17:01	

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Certificate of Analytical Results 673890

Etech Environmental & Safety Solution, Inc, Midland, TX

Bagley 7"

Sample Id:	**EH1@SURF**	Matrix:	Soil	Date Received:	09.30.2020 09:35
Lab Sample Id:	673890-005	Date Collected:	09.29.2020 14:30		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	10.02.2020 09:00	Basis:	Wet Weight
Seq Number:	3138779			SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	10.02.2020 17:57	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	10.02.2020 17:57	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	10.02.2020 17:57	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	10.02.2020 17:57	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	10.02.2020 17:57	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	10.02.2020 17:57	U	1
Total BTEX		<0.00201	0.00201	mg/kg	10.02.2020 17:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	106	%	70-130	10.02.2020 17:57	
1,4-Difluorobenzene	540-36-3	101	%	70-130	10.02.2020 17:57	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Bagley 7"

Sample Id:	**EH1@2'**	Matrix:	Soil	Date Received:	09.30.2020 09:35
Lab Sample Id:	673890-006	Date Collected:	09.29.2020 14:35	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	10.01.2020 16:15	Basis:	Wet Weight
Seq Number:	3138679			SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1520**	24.9	mg/kg	10.02.2020 17:21		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	10.01.2020 11:15	Basis:	Wet Weight
Seq Number:	3138683			SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.01.2020 17:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	10.01.2020 17:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.01.2020 17:23	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.01.2020 17:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-130	10.01.2020 17:23	
o-Terphenyl	84-15-1	89	%	70-130	10.01.2020 17:23	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Bagley 7"

Sample Id:	**EH1@2'**	Matrix:	Soil	Date Received:	09.30.2020 09:35
Lab Sample Id:	673890-006	Date Collected:	09.29.2020 14:35	Sample Depth:	2 ft

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	10.02.2020 09:00	Basis:	Wet Weight
Seq Number:	3138779			SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	10.02.2020 18:18	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	10.02.2020 18:18	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	10.02.2020 18:18	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	10.02.2020 18:18	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	10.02.2020 18:18	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	10.02.2020 18:18	U	1
Total BTEX		<0.00198	0.00198	mg/kg	10.02.2020 18:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	110	%	70-130	10.02.2020 18:18	
1,4-Difluorobenzene	540-36-3	102	%	70-130	10.02.2020 18:18	

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Certificate of Analytical Results 673890

Etech Environmental & Safety Solution, Inc, Midland, TX

Bagley 7"

Sample Id: **SH1@SURF** Matrix: Soil Date Received:09.30.2020 09:35

Lab Sample Id: 673890-007 Date Collected: 09.29.2020 14:40

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

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 10.01.2020 16:15 Basis: Wet Weight

Seq Number: 3138679 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**12.3**	4.99	mg/kg	10.02.2020 17:26		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 10.01.2020 11:15 Basis: Wet Weight

Seq Number: 3138683 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.01.2020 18:07	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	10.01.2020 18:07	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.01.2020 18:07	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.01.2020 18:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-130	10.01.2020 18:07	
o-Terphenyl	84-15-1	77	%	70-130	10.01.2020 18:07	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Bagley 7"

Sample Id:	**SH1@SURF**	Matrix:	Soil	Date Received:	09.30.2020 09:35
Lab Sample Id:	673890-007	Date Collected:	09.29.2020 14:40		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	10.02.2020 09:00	Basis:	Wet Weight
Seq Number:	3138779			SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	10.02.2020 18:38	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	10.02.2020 18:38	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	10.02.2020 18:38	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	10.02.2020 18:38	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	10.02.2020 18:38	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	10.02.2020 18:38	U	1
Total BTEX		<0.00198	0.00198	mg/kg	10.02.2020 18:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	10.02.2020 18:38	
4-Bromofluorobenzene	460-00-4	106	%	70-130	10.02.2020 18:38	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Bagley 7"

Sample Id:	**SH1@2'**	Matrix:	Soil	Date Received:	09.30.2020 09:35
Lab Sample Id:	673890-008	Date Collected:	09.29.2020 14:45	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	10.01.2020 16:15	Basis:	Wet Weight
Seq Number:	3138679			SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1450**	25.2	mg/kg	10.02.2020 17:31		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	10.01.2020 11:15	Basis:	Wet Weight
Seq Number:	3138683			SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	10.01.2020 18:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	10.01.2020 18:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	10.01.2020 18:29	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	10.01.2020 18:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-130	10.01.2020 18:29	
o-Terphenyl	84-15-1	91	%	70-130	10.01.2020 18:29	

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Certificate of Analytical Results 673890

Etech Environmental & Safety Solution, Inc, Midland, TX

Bagley 7"

Sample Id:	**SH1@2'**	Matrix:	Soil	Date Received:	09.30.2020 09:35
Lab Sample Id:	673890-008	Date Collected:	09.29.2020 14:45	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	10.02.2020 09:00	Basis:	Wet Weight
Seq Number:	3138779			SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	10.02.2020 18:59	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	10.02.2020 18:59	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.02.2020 18:59	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	10.02.2020 18:59	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	10.02.2020 18:59	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	10.02.2020 18:59	U	1
Total BTEX		<0.00200	0.00200	mg/kg	10.02.2020 18:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	105	%	70-130	10.02.2020 18:59	
1,4-Difluorobenzene	540-36-3	100	%	70-130	10.02.2020 18:59	

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Certificate of Analytical Results 673890

Etech Environmental & Safety Solution, Inc, Midland, TX

Bagley 7"

Sample Id: **WH1@SURF** Matrix: Soil Date Received:09.30.2020 09:35

Lab Sample Id: 673890-009 Date Collected: 09.29.2020 14:55

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

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 10.01.2020 16:15 Basis: Wet Weight

Seq Number: 3138679 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**12.6**	5.00	mg/kg	10.02.2020 17:37		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 10.01.2020 11:15 Basis: Wet Weight

Seq Number: 3138683 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	10.01.2020 18:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	10.01.2020 18:51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	10.01.2020 18:51	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	10.01.2020 18:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-130	10.01.2020 18:51	
o-Terphenyl	84-15-1	81	%	70-130	10.01.2020 18:51	

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Certificate of Analytical Results 673890

Etech Environmental & Safety Solution, Inc, Midland, TX

Bagley 7"

Sample Id:	**WH1@SURF**	Matrix:	Soil	Date Received:	09.30.2020 09:35
Lab Sample Id:	673890-009	Date Collected:	09.29.2020 14:55		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	10.02.2020 09:00	Basis:	Wet Weight
Seq Number:	3138779			SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	10.02.2020 19:19	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	10.02.2020 19:19	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.02.2020 19:19	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	10.02.2020 19:19	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	10.02.2020 19:19	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	10.02.2020 19:19	U	1
Total BTEX		<0.00200	0.00200	mg/kg	10.02.2020 19:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	109	%	70-130	10.02.2020 19:19	
1,4-Difluorobenzene	540-36-3	96	%	70-130	10.02.2020 19:19	

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Certificate of Analytical Results 673890

Etech Environmental & Safety Solution, Inc, Midland, TX

Bagley 7"

Sample Id:	**WH1@2'**	Matrix:	Soil	Date Received:	09.30.2020 09:35
Lab Sample Id:	673890-010	Date Collected:	09.29.2020 15:00	Sample Depth:	2 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	10.01.2020 16:15	Basis:	Wet Weight
Seq Number:	3138679			SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**11.8**	4.96	mg/kg	10.02.2020 17:42	X	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	10.01.2020 11:15	Basis:	Wet Weight
Seq Number:	3138683			SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.01.2020 19:12	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	10.01.2020 19:12	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.01.2020 19:12	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.01.2020 19:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-130	10.01.2020 19:12	
o-Terphenyl	84-15-1	89	%	70-130	10.01.2020 19:12	

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Certificate of Analytical Results 673890

Etech Environmental & Safety Solution, Inc, Midland, TX

Bagley 7"

Sample Id:	**WH1@2'**	Matrix:	Soil	Date Received:	09.30.2020 09:35
Lab Sample Id:	673890-010	Date Collected:	09.29.2020 15:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	10.02.2020 09:00	Basis:	Wet Weight
Seq Number:	3138779			SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	10.02.2020 19:40	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	10.02.2020 19:40	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	10.02.2020 19:40	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	10.02.2020 19:40	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	10.02.2020 19:40	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	10.02.2020 19:40	U	1
Total BTEX		<0.00199	0.00199	mg/kg	10.02.2020 19:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	107	%	70-130	10.02.2020 19:40	
1,4-Difluorobenzene	540-36-3	100	%	70-130	10.02.2020 19:40	

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Flagging Criteria

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

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

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

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

F RPD exceeded lab control limits.

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

U Analyte was not detected.

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

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

K Sample analyzed outside of recommended hold time.

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

** Surrogate recovered outside laboratory control limit.

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

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

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

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

+ NELAC certification not offered for this compound.

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

QC Summary 673890

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Etech Environmental & Safety Solution, Inc

Bagley 7"

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3138679 — Matrix: Solid — Date Prep: 10.01.2020
MB Sample Id: 7712462-1-BLK — LCS Sample Id: 7712462-1-BKS — LCSD Sample Id: 7712462-1-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	265	106	264	106	90-110	0	20	mg/kg	10.02.2020 16:17	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3138679 — Matrix: Soil — Date Prep: 10.01.2020
Parent Sample Id: 673890-010 — MS Sample Id: 673890-010 S — MSD Sample Id: 673890-010 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	11.8	248	287	111	287	111	90-110	0	20	mg/kg	10.02.2020 17:47	X

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3138679 — Matrix: Soil — Date Prep: 10.01.2020
Parent Sample Id: 674012-041 — MS Sample Id: 674012-041 S — MSD Sample Id: 674012-041 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	13.6	252	287	108	282	107	90-110	2	20	mg/kg	10.02.2020 16:33	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3138683 — Matrix: Solid — Date Prep: 10.01.2020
MB Sample Id: 7712480-1-BLK — LCS Sample Id: 7712480-1-BKS — LCSD Sample Id: 7712480-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	951	95	1000	100	70-130	5	20	mg/kg	10.01.2020 12:39	
Diesel Range Organics (DRO)	<50.0	1000	1040	104	1030	103	70-130	1	20	mg/kg	10.01.2020 12:39	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	94		107		106		70-130	%	10.01.2020 12:39
o-Terphenyl	91		96		95		70-130	%	10.01.2020 12:39

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3138683 — Matrix: Solid — Date Prep: 10.01.2020
MB Sample Id: 7712480-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	10.01.2020 12:17	

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

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

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

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QC Summary 673890

Etech Environmental & Safety Solution, Inc

Bagley 7"

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3138683 Matrix: Soil Date Prep: 10.01.2020
Parent Sample Id: 673912-001 MS Sample Id: 673912-001 S MSD Sample Id: 673912-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	882	88	869	87	70-130	1	20	mg/kg	10.01.2020 13:44	
Diesel Range Organics (DRO)	<49.9	997	967	97	994	100	70-130	3	20	mg/kg	10.01.2020 13:44	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	95		96		70-130	%	10.01.2020 13:44
o-Terphenyl	82		85		70-130	%	10.01.2020 13:44

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3138612 Matrix: Solid Date Prep: 10.01.2020
MB Sample Id: 7712445-1-BLK LCS Sample Id: 7712445-1-BKS LCSD Sample Id: 7712445-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.103	103	0.103	103	70-130	0	35	mg/kg	10.01.2020 10:13	
Toluene	<0.00200	0.100	0.111	111	0.106	106	70-130	5	35	mg/kg	10.01.2020 10:13	
Ethylbenzene	<0.00200	0.100	0.106	106	0.101	101	70-130	5	35	mg/kg	10.01.2020 10:13	
m,p-Xylenes	<0.00400	0.200	0.218	109	0.207	104	70-130	5	35	mg/kg	10.01.2020 10:13	
o-Xylene	<0.00200	0.100	0.105	105	0.100	100	70-130	5	35	mg/kg	10.01.2020 10:13	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	96		97		98		70-130	%	10.01.2020 10:13
4-Bromofluorobenzene	108		101		96		70-130	%	10.01.2020 10:13

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3138779 Matrix: Solid Date Prep: 10.02.2020
MB Sample Id: 7712585-1-BLK LCS Sample Id: 7712585-1-BKS LCSD Sample Id: 7712585-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.113	113	0.104	104	70-130	8	35	mg/kg	10.02.2020 08:58	
Toluene	<0.00200	0.100	0.107	107	0.107	107	70-130	0	35	mg/kg	10.02.2020 08:58	
Ethylbenzene	<0.00200	0.100	0.114	114	0.105	105	70-130	8	35	mg/kg	10.02.2020 08:58	
m,p-Xylenes	<0.00400	0.200	0.235	118	0.215	108	70-130	9	35	mg/kg	10.02.2020 08:58	
o-Xylene	<0.00200	0.100	0.114	114	0.104	104	70-130	9	35	mg/kg	10.02.2020 08:58	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		100		99		70-130	%	10.02.2020 08:58
4-Bromofluorobenzene	105		103		102		70-130	%	10.02.2020 08:58

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

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

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

QC Summary 673890

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Bagley 7"

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3138612 Matrix: Soil Date Prep: 10.01.2020
Parent Sample Id: 674024-001 MS Sample Id: 674024-001 S MSD Sample Id: 674024-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.0658	66	0.103	102	70-130	44	35	mg/kg	10.01.2020 10:54	XF
Toluene	<0.00199	0.0996	0.0706	71	0.104	103	70-130	38	35	mg/kg	10.01.2020 10:54	F
Ethylbenzene	<0.00199	0.0996	0.0628	63	0.101	100	70-130	47	35	mg/kg	10.01.2020 10:54	XF
m,p-Xylenes	<0.00398	0.199	0.130	65	0.207	103	70-130	46	35	mg/kg	10.01.2020 10:54	XF
o-Xylene	<0.00199	0.0996	0.0631	63	0.0992	98	70-130	44	35	mg/kg	10.01.2020 10:54	XF

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		99		70-130	%	10.01.2020 10:54
4-Bromofluorobenzene	110		98		70-130	%	10.01.2020 10:54

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3138779 Matrix: Soil Date Prep: 10.02.2020
Parent Sample Id: 674139-001 MS Sample Id: 674139-001 S MSD Sample Id: 674139-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0979	98	0.0984	99	70-130	1	35	mg/kg	10.02.2020 11:27	
Toluene	<0.00200	0.100	0.0915	92	0.0921	93	70-130	1	35	mg/kg	10.02.2020 11:27	
Ethylbenzene	<0.00200	0.100	0.0969	97	0.0982	99	70-130	1	35	mg/kg	10.02.2020 11:27	
m,p-Xylenes	<0.00401	0.200	0.199	100	0.202	102	70-130	1	35	mg/kg	10.02.2020 11:27	
o-Xylene	<0.00200	0.100	0.0965	97	0.0981	99	70-130	2	35	mg/kg	10.02.2020 11:27	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	96		97		70-130	%	10.02.2020 11:27
4-Bromofluorobenzene	98		102		70-130	%	10.02.2020 11:27

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

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

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

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: 673890

www.xenco.com Page 1 of 1

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Targa Resources
Address:	2509 79th St. Suite B	Address:	
City, State ZIP:	Lubbock, TX 79423	City, State ZIP:	
Phone:	432-894-2100	Email:	b.smitherman@etechenv.com

Work Order Comments

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

Project Name:	Bagley 7"	Turn Around	☑ Routine ☐ Rush
Project Number:	13146	Due Date:	
Project Location:	Lea County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Brandon Smitherman		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	Yes (No)	
Samples Received Intact:	(Yes) No	Thermometer ID:	IR-4	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	+0.5 0.0	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	15.0	
Total Containers:		Corrected Temperature:	15.5	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Chloride E300	BTEX 8021	TPH Modified Ext	Sample Comments
V1 @ 3'	Soil	9/29/2020	14:05	3'	Grab	1	x	x	x	673890-001 Cool
V1 @ 4'	Soil	9/29/2020	14:10	4'	Grab	1	x	x	x	-002 Cool
NH1 @ Surf	Soil	9/29/2020	14:20	Surf	Grab	1	x	x	x	-003 Cool
NH1 @ 2'	Soil	9/29/2020	14:25	2'	Grab	1	x	x	x	-004 Cool
EH1 @ Surf	Soil	9/29/2020	14:30	Surf	Grab	1	x	x	x	-005 Cool
EH1 @ 2'	Soil	9/29/2020	14:35	2'	Grab	1	x	x	x	-006 Cool
SH1 @ Surf	Soil	9/29/2020	14:40	Surf	Grab	1	x	x	x	-007 Cool
SH1 @ 2'	Soil	9/29/2020	14:45	2'	Grab	1	x	x	x	-008 Cool
WH1 @ Surf	Soil	9/29/2020	14:55	Surf	Grab	1	x	x	x	-009 Cool
WH1 @ 2'	Soil	9/29/2020	15:00	2'	Grab	1	x	x	x	-010 Cool

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2SO_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

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 SiO_2 Na Sr Tl Sn U V Zn

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins 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 Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			2		9/30/20 0935
3			4	9/30/2020 9:35	
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Inter-Office Shipment

IOS Number : 71168

Date/Time: 09.30.2020
Lab# From: **Lubbock**
Lab# To: **Midland**

Created by: Michael J Turner
Delivery Priority:
Air Bill No.:

Please send report to: Jessica Kramer
Address: 6701 Aberdeen, Suite 9 Lubbock, TX 79424
E-Mail: jessica.kramer@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
673890-001	S	V1@3'	09.29.2020 14:05	SW8021B	BTEX by EPA 8021B	10.06.2020	10.13.2020	JKR	BR4FBZ BZ BZME EBZ	
673890-001	S	V1@3'	09.29.2020 14:05	SW8015MOD_NM	TPH by SW8015 Mod	10.06.2020	10.13.2020	JKR	PHCC10C28 PHCC28C3	
673890-001	S	V1@3'	09.29.2020 14:05	E300	Inorganic Anions by EPA 300	10.06.2020	10.27.2020	JKR	CL	
673890-002	S	V1@4'	09.29.2020 14:10	SW8021B	BTEX by EPA 8021B	10.06.2020	10.13.2020	JKR	BR4FBZ BZ BZME EBZ	
673890-002	S	V1@4'	09.29.2020 14:10	E300	Inorganic Anions by EPA 300	10.06.2020	10.27.2020	JKR	CL	
673890-002	S	V1@4'	09.29.2020 14:10	SW8015MOD_NM	TPH by SW8015 Mod	10.06.2020	10.13.2020	JKR	PHCC10C28 PHCC28C3	
673890-003	S	NH1@SURF	09.29.2020 14:20	SW8021B	BTEX by EPA 8021B	10.06.2020	10.13.2020	JKR	BR4FBZ BZ BZME EBZ	
673890-003	S	NH1@SURF	09.29.2020 14:20	E300	Inorganic Anions by EPA 300	10.06.2020	10.27.2020	JKR	CL	
673890-003	S	NH1@SURF	09.29.2020 14:20	SW8015MOD_NM	TPH by SW8015 Mod	10.06.2020	10.13.2020	JKR	PHCC10C28 PHCC28C3	
673890-004	S	NH1@2'	09.29.2020 14:25	SW8021B	BTEX by EPA 8021B	10.06.2020	10.13.2020	JKR	BR4FBZ BZ BZME EBZ	
673890-004	S	NH1@2'	09.29.2020 14:25	SW8015MOD_NM	TPH by SW8015 Mod	10.06.2020	10.13.2020	JKR	PHCC10C28 PHCC28C3	
673890-004	S	NH1@2'	09.29.2020 14:25	E300	Inorganic Anions by EPA 300	10.06.2020	10.27.2020	JKR	CL	
673890-005	S	EH1@SURF	09.29.2020 14:30	SW8021B	BTEX by EPA 8021B	10.06.2020	10.13.2020	JKR	BR4FBZ BZ BZME EBZ	
673890-005	S	EH1@SURF	09.29.2020 14:30	SW8015MOD_NM	TPH by SW8015 Mod	10.06.2020	10.13.2020	JKR	PHCC10C28 PHCC28C3	
673890-005	S	EH1@SURF	09.29.2020 14:30	E300	Inorganic Anions by EPA 300	10.06.2020	10.27.2020	JKR	CL	
673890-006	S	EH1@2'	09.29.2020 14:35	SW8021B	BTEX by EPA 8021B	10.06.2020	10.13.2020	JKR	BR4FBZ BZ BZME EBZ	
673890-006	S	EH1@2'	09.29.2020 14:35	E300	Inorganic Anions by EPA 300	10.06.2020	10.27.2020	JKR	CL	
673890-006	S	EH1@2'	09.29.2020 14:35	SW8015MOD_NM	TPH by SW8015 Mod	10.06.2020	10.13.2020	JKR	PHCC10C28 PHCC28C3	
673890-007	S	SH1@SURF	09.29.2020 14:40	SW8021B	BTEX by EPA 8021B	10.06.2020	10.13.2020	JKR	BR4FBZ BZ BZME EBZ	
673890-007	S	SH1@SURF	09.29.2020 14:40	E300	Inorganic Anions by EPA 300	10.06.2020	10.27.2020	JKR	CL	
673890-007	S	SH1@SURF	09.29.2020 14:40	SW8015MOD_NM	TPH by SW8015 Mod	10.06.2020	10.13.2020	JKR	PHCC10C28 PHCC28C3	
673890-008	S	SH1@2'	09.29.2020 14:45	E300	Inorganic Anions by EPA 300	10.06.2020	10.27.2020	JKR	CL	
673890-008	S	SH1@2'	09.29.2020 14:45	SW8021B	BTEX by EPA 8021B	10.06.2020	10.13.2020	JKR	BR4FBZ BZ BZME EBZ	
673890-008	S	SH1@2'	09.29.2020 14:45	SW8015MOD_NM	TPH by SW8015 Mod	10.06.2020	10.13.2020	JKR	PHCC10C28 PHCC28C3	
673890-009	S	WH1@SURF	09.29.2020 14:55	SW8015MOD_NM	TPH by SW8015 Mod	10.06.2020	10.13.2020	JKR	PHCC10C28 PHCC28C3	

Inter-Office Shipment

IOS Number : 71168

Date/Time: 09.30.2020
Lab# From: **Lubbock**
Lab# To: **Midland**

Created by: Michael J Turner
Delivery Priority:
Air Bill No.:

Please send report to: Jessica Kramer
Address: 6701 Aberdeen, Suite 9 Lubbock, TX 79424
E-Mail: jessica.kramer@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
673890-009	S	WH1@SURF	09.29.2020 14:55	E300	Inorganic Anions by EPA 300	10.06.2020	10.27.2020	JKR	CL	
673890-009	S	WH1@SURF	09.29.2020 14:55	SW8021B	BTEX by EPA 8021B	10.06.2020	10.13.2020	JKR	BR4FBZ BZ BZME EBZ	
673890-010	S	WH1@2'	09.29.2020 15:00	SW8021B	BTEX by EPA 8021B	10.06.2020	10.13.2020	JKR	BR4FBZ BZ BZME EBZ	
673890-010	S	WH1@2'	09.29.2020 15:00	E300	Inorganic Anions by EPA 300	10.06.2020	10.27.2020	JKR	CL	
673890-010	S	WH1@2'	09.29.2020 15:00	SW8015MOD_NM	TPH by SW8015 Mod	10.06.2020	10.13.2020	JKR	PHCC10C28 PHCC28C3	

Inter Office Shipment or Sample Comments:

Relinquished By: Michael J Turner
Date Relinquished: 09.30.2020

Received By: Allison Johnson
Date Received: 10.01.2020
Cooler Temperature: 5.3

Environment Testing Xenco

Eurofins Xenco, LLC

Inter Office Report- Sample Receipt Checklist

Sent To: Midland

IOS #: 71168

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

Sent By: Michael J Turner **Date Sent:** 09.30.2020 10.04 AM

Received By: Allison Johnson **Date Received:** 10.01.2020 10.57 AM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	5.3	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 *Custody Seals Signed and dated for Containers/coolers	**Yes**	
#6 *IOS present?	**Yes**	
#7 Any missing/extra samples?	**No**	r8
#8 IOS agrees with sample label(s)/matrix?	**Yes**	
#9 Sample matrix/ properties agree with IOS?	**Yes**	
#10 Samples in proper container/ bottle?	**Yes**	
#11 Samples properly preserved?	**Yes**	
#12 Sample container(s) intact?	**Yes**	
#13 Sufficient sample amount for indicated test(s)?	**Yes**	
#14 All samples received within hold time?	**Yes**	

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

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date:** _____

Checklist reviewed by: _____ Date: 10.01.2020
Allison Johnson

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 09.30.2020 09.35.00 AM

Work Order #: 673890

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

Temperature Measuring device used : IR-4

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	15.1	
#2 *Shipping container in good condition?	**N/A**	
#3 *Samples received on ice?	**No**	
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**	
#5 Custody Seals intact on sample bottles?	**N/A**	
#6*Custody Seals Signed and dated?	**N/A**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**Yes**	Xenco Midland
#18 Water VOC samples have zero headspace?	**N/A**	

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

Analyst: PH Device/Lot#:

Checklist completed by: Michael J Turner Date: 09.30.2020

Checklist reviewed by: Jessica Kramer Date: 09.30.2020

CARDINAL Laboratories

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

November 17, 2020

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: BAGLEY #2

Enclosed are the results of analyses for samples received by the laboratory on 11/13/20 14:55.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	11/13/2020	Sampling Date:	11/13/2020
Reported:	11/17/2020	Sampling Type:	Soil
Project Name:	BAGLEY #2	Sampling Condition:	Cool & Intact
Project Number:	13146	Sample Received By:	Tamara Oldaker
Project Location:	TARGA - LEA CO NM		

Sample ID: #1 SOUTH 0-1' (H003028-01)

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	11/17/2020	ND	416	104	400	3.77	

Sample ID: #2 SOUTH 1-2' (H003028-02)

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	11/17/2020	ND	416	104	400	3.77	

Sample ID: #2 EAST 0-1' (H003028-03)

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	11/17/2020	ND	416	104	400	3.77	

Sample ID: #2 EAST 1-2' (H003028-04)

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	11/17/2020	ND	416	104	400	3.77	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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Received:	11/13/2020	Sampling Date:	11/13/2020
Reported:	11/17/2020	Sampling Type:	Soil
Project Name:	BAGLEY #2	Sampling Condition:	Cool & Intact
Project Number:	13146	Sample Received By:	Tamara Oldaker
Project Location:	TARGA - LEA CO NM		

Sample ID: V 1 6' (H003028-05)

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	11/14/2020	ND	2.02	101	2.00	0.864	
Toluene*	<0.050	0.050	11/14/2020	ND	1.95	97.3	2.00	1.57	
Ethylbenzene*	<0.050	0.050	11/14/2020	ND	2.04	102	2.00	1.93	
Total Xylenes*	<0.150	0.150	11/14/2020	ND	5.83	97.2	6.00	1.98	
Total BTEX	<0.300	0.300	11/14/2020	ND					

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

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2020	ND	193	96.5	200	10.4	
DRO >C10-C28*	<10.0	10.0	11/16/2020	ND	220	110	200	22.2	
EXT DRO >C28-C36	<10.0	10.0	11/16/2020	ND					

Surrogate: 1-Chlorooctane *78.8 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *80.3 %* *42.2-156*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	BILL TO	
Project Manager:	Joel Lowry	P.O. #:	
Address:	P.O. Box 301	Company:	Targa
City:	Lovington	State: NM Zip: 88260	Attn: Raul Gibson
Phone #:	(575) 396-2378	Fax #: (575) 396-1429	Address:
Project #:	13146	Project Owner: Targa	City:
Project Name:	Bagley #2		State: Zip:
Project Location:	Rural Lea County, NM		Phone #:
Sampler Name:	Spencer Blackwood		Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: Chloride	TPH (8015M)	BTEX (8021B)
H003028																	
1	#1 South 0-1'	G	1			X					X		11/13/20		X		
2	#2 South 1-2'	G	2			X					X		11/13/20		X		
3	#2 East 0-1'	G	3			X					X		11/13/20		X		
4	#2 East 1-2'	G	4			X					X		11/13/20		X		
5	V1 6'	G	5			X					X		11/13/20			X	X

Relinquished By:	Date: 11-13-20	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1455		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		Please email results to prn@etechenv.com.

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: -0.6° #113

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) TO

FORM-006
Revision 1.0

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

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-860-1
Laboratory Sample Delivery Group: Lea County NM
Client Project/Site: Bagley 7-inch

For:
Etech Environmental & Safety Solutions
PO BOX 62228
Midland, Texas 79711

Attn: PM List

Authorized for release by:
4/12/2021 2:57:13 PM
John Builes, Project Manager
john.builes@eurofinset.com

Designee for

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Definitions/Glossary

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch

Job ID: 880-860-1
SDG: Lea County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
H	Sample was prepped or analyzed beyond the specified holding time
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch

Job ID: 880-860-1
SDG: Lea County NM

Job ID: 880-860-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-860-1

Receipt
The samples were received on 3/30/2021 1:09 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.0°C

GC VOA
Method 8021B: Reanalysis of the following sample was performed outside of the analytical holding time due to failure of quality control parameters in the initial analysis. FL2 @ 6' (880-860-4)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch

Job ID: 880-860-1
SDG: Lea County NM

Client Sample ID: NW1

Date Collected: 03/25/21 00:00
Date Received: 03/30/21 13:09

Lab Sample ID: 880-860-1
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/05/21 16:11	04/06/21 07:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/05/21 16:11	04/06/21 07:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/05/21 16:11	04/06/21 07:58	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/05/21 16:11	04/06/21 07:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/05/21 16:11	04/06/21 07:58	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/05/21 16:11	04/06/21 07:58	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/05/21 16:11	04/06/21 07:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*04/05/21 16:11*	*04/06/21 07:58*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*04/05/21 16:11*	*04/06/21 07:58*	*1*

Method: 8015B MOD NM - Total Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/03/21 13:41	04/05/21 01:30	1
Diesel Range Organics (Over C10-C28)	**95.2**		50.0		mg/Kg		04/03/21 13:41	04/05/21 01:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/03/21 13:41	04/05/21 01:30	1
Total TPH	**95.2**		50.0		mg/Kg		04/03/21 13:41	04/05/21 01:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*04/03/21 13:41*	*04/05/21 01:30*	*1*
o-Terphenyl	*105*		*70 - 130*	*04/03/21 13:41*	*04/05/21 01:30*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**27.4**		4.96		mg/Kg			04/07/21 10:12	1

Client Sample ID: SW1

Date Collected: 03/25/21 00:00
Date Received: 03/30/21 13:09

Lab Sample ID: 880-860-2
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/05/21 16:11	04/06/21 08:19	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/05/21 16:11	04/06/21 08:19	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/05/21 16:11	04/06/21 08:19	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/05/21 16:11	04/06/21 08:19	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/05/21 16:11	04/06/21 08:19	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/05/21 16:11	04/06/21 08:19	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		04/05/21 16:11	04/06/21 08:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*04/05/21 16:11*	*04/06/21 08:19*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*04/05/21 16:11*	*04/06/21 08:19*	*1*

Method: 8015B MOD NM - Total Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/03/21 13:41	04/05/21 01:52	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch

Job ID: 880-860-1
SDG: Lea County NM

Client Sample ID: SW1

Date Collected: 03/25/21 00:00
Date Received: 03/30/21 13:09

Lab Sample ID: 880-860-2

Matrix: Solid

Method: 8015B MOD NM - Total Petroleum Hydrocarbons (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/03/21 13:41	04/05/21 01:52	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/03/21 13:41	04/05/21 01:52	1
Total TPH	<50.0	U	50.0		mg/Kg		04/03/21 13:41	04/05/21 01:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*04/03/21 13:41*	*04/05/21 01:52*	*1*
o-Terphenyl	*110*		*70 - 130*	*04/03/21 13:41*	*04/05/21 01:52*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**40.0**		4.95		mg/Kg			04/07/21 10:17	1

Client Sample ID: FL1 @ 4'

Date Collected: 03/25/21 00:00
Date Received: 03/30/21 13:09
Sample Depth: - 4'

Lab Sample ID: 880-860-3

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/05/21 16:11	04/06/21 08:40	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/05/21 16:11	04/06/21 08:40	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/05/21 16:11	04/06/21 08:40	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/05/21 16:11	04/06/21 08:40	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/05/21 16:11	04/06/21 08:40	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/05/21 16:11	04/06/21 08:40	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		04/05/21 16:11	04/06/21 08:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*04/05/21 16:11*	*04/06/21 08:40*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*04/05/21 16:11*	*04/06/21 08:40*	*1*

Method: 8015B MOD NM - Total Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/03/21 13:41	04/05/21 02:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/03/21 13:41	04/05/21 02:13	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/03/21 13:41	04/05/21 02:13	1
Total TPH	<49.9	U	49.9		mg/Kg		04/03/21 13:41	04/05/21 02:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*04/03/21 13:41*	*04/05/21 02:13*	*1*
o-Terphenyl	*108*		*70 - 130*	*04/03/21 13:41*	*04/05/21 02:13*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**229**		5.05		mg/Kg			04/08/21 21:01	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch

Job ID: 880-860-1
SDG: Lea County NM

Client Sample ID: FL2 @ 6'

Date Collected: 03/25/21 00:00
Date Received: 03/30/21 13:09
Sample Depth: - 6'

Lab Sample ID: 880-860-4

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.200	U H	0.200		mg/Kg		04/05/21 16:11	04/09/21 10:22	100
Toluene	**4.71**	**H**	0.200		mg/Kg		04/05/21 16:11	04/09/21 10:22	100
Ethylbenzene	**11.6**	**H**	0.200		mg/Kg		04/05/21 16:11	04/09/21 10:22	100
m-Xylene & p-Xylene	**45.9**	**H**	0.399		mg/Kg		04/05/21 16:11	04/09/21 10:22	100
o-Xylene	**18.9**	**H**	0.200		mg/Kg		04/05/21 16:11	04/09/21 10:22	100
Xylenes, Total	**64.8**	**H**	0.399		mg/Kg		04/05/21 16:11	04/09/21 10:22	100
Total BTEX	**81.1**	**H**	0.200		mg/Kg		04/05/21 16:11	04/09/21 10:22	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*8868*	*S1+*	*70 - 130*	*04/05/21 16:11*	*04/06/21 09:01*	*1*
1,4-Difluorobenzene (Surr)	*2955*	*S1+*	*70 - 130*	*04/05/21 16:11*	*04/06/21 09:01*	*1*

Method: 8015B MOD NM - Total Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**2090**		49.9		mg/Kg		04/03/21 13:41	04/05/21 02:34	1
Diesel Range Organics (Over C10-C28)	**794**		49.9		mg/Kg		04/03/21 13:41	04/05/21 02:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/03/21 13:41	04/05/21 02:34	1
Total TPH	**2880**		49.9		mg/Kg		04/03/21 13:41	04/05/21 02:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*04/03/21 13:41*	*04/05/21 02:34*	*1*
o-Terphenyl	*111*		*70 - 130*	*04/03/21 13:41*	*04/05/21 02:34*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**466**		5.02		mg/Kg			04/08/21 21:18	1

Client Sample ID: EW1

Date Collected: 03/26/21 00:00
Date Received: 03/30/21 13:09

Lab Sample ID: 880-860-5

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *-	0.00200		mg/Kg		04/06/21 11:15	04/06/21 16:26	1
Toluene	<0.00200	U *-	0.00200		mg/Kg		04/06/21 11:15	04/06/21 16:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/06/21 11:15	04/06/21 16:26	1
m-Xylene & p-Xylene	<0.00400	U *-	0.00400		mg/Kg		04/06/21 11:15	04/06/21 16:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/06/21 11:15	04/06/21 16:26	1
Xylenes, Total	<0.00400	U *-	0.00400		mg/Kg		04/06/21 11:15	04/06/21 16:26	1
Total BTEX	<0.00200	U *1 *-	0.00200		mg/Kg		04/06/21 11:15	04/06/21 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*04/06/21 11:15*	*04/06/21 16:26*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*04/06/21 11:15*	*04/06/21 16:26*	*1*

Method: 8015B MOD NM - Total Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**51.4**		49.8		mg/Kg		04/03/21 13:41	04/05/21 02:55	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch

Job ID: 880-860-1
SDG: Lea County NM

Client Sample ID: EW1

Date Collected: 03/26/21 00:00
Date Received: 03/30/21 13:09

Lab Sample ID: 880-860-5

Matrix: Solid

Method: 8015B MOD NM - Total Petroleum Hydrocarbons (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/03/21 13:41	04/05/21 02:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/03/21 13:41	04/05/21 02:55	1
Total TPH	**51.4**		49.8		mg/Kg		04/03/21 13:41	04/05/21 02:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*04/03/21 13:41*	*04/05/21 02:55*	*1*
o-Terphenyl	*118*		*70 - 130*	*04/03/21 13:41*	*04/05/21 02:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**260**		5.03		mg/Kg			04/08/21 21:23	1

Client Sample ID: WW1

Date Collected: 03/26/21 00:00
Date Received: 03/30/21 13:09
Sample Depth: - 4'

Lab Sample ID: 880-860-6

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *-	0.00198		mg/Kg		04/06/21 11:15	04/06/21 16:46	1
Toluene	<0.00198	U *-	0.00198		mg/Kg		04/06/21 11:15	04/06/21 16:46	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/06/21 11:15	04/06/21 16:46	1
m-Xylene & p-Xylene	<0.00396	U *-	0.00396		mg/Kg		04/06/21 11:15	04/06/21 16:46	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/06/21 11:15	04/06/21 16:46	1
Xylenes, Total	<0.00396	U *-	0.00396		mg/Kg		04/06/21 11:15	04/06/21 16:46	1
Total BTEX	<0.00198	U *1 *-	0.00198		mg/Kg		04/06/21 11:15	04/06/21 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*04/06/21 11:15*	*04/06/21 16:46*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*04/06/21 11:15*	*04/06/21 16:46*	*1*

Method: 8015B MOD NM - Total Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/03/21 13:41	04/05/21 03:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/03/21 13:41	04/05/21 03:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/03/21 13:41	04/05/21 03:16	1
Total TPH	<50.0	U	50.0		mg/Kg		04/03/21 13:41	04/05/21 03:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*04/03/21 13:41*	*04/05/21 03:16*	*1*
o-Terphenyl	*112*		*70 - 130*	*04/03/21 13:41*	*04/05/21 03:16*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**250**		5.01		mg/Kg			04/08/21 21:29	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch

Job ID: 880-860-1
SDG: Lea County NM

Client Sample ID: FL3 @ 4'

Date Collected: 03/26/21 00:00
Date Received: 03/30/21 13:09
Sample Depth: - 4'

Lab Sample ID: 880-860-7
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *-	0.00198		mg/Kg		04/06/21 11:15	04/06/21 17:07	1
Toluene	<0.00198	U *-	0.00198		mg/Kg		04/06/21 11:15	04/06/21 17:07	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/06/21 11:15	04/06/21 17:07	1
m-Xylene & p-Xylene	<0.00396	U *-	0.00396		mg/Kg		04/06/21 11:15	04/06/21 17:07	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/06/21 11:15	04/06/21 17:07	1
Xylenes, Total	<0.00396	U *-	0.00396		mg/Kg		04/06/21 11:15	04/06/21 17:07	1
Total BTEX	<0.00198	U *1 *-	0.00198		mg/Kg		04/06/21 11:15	04/06/21 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*04/06/21 11:15*	*04/06/21 17:07*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*04/06/21 11:15*	*04/06/21 17:07*	*1*

Method: 8015B MOD NM - Total Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/03/21 13:41	04/05/21 03:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/03/21 13:41	04/05/21 03:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/03/21 13:41	04/05/21 03:37	1
Total TPH	<49.9	U	49.9		mg/Kg		04/03/21 13:41	04/05/21 03:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*04/03/21 13:41*	*04/05/21 03:37*	*1*
o-Terphenyl	*110*		*70 - 130*	*04/03/21 13:41*	*04/05/21 03:37*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**528**		4.99		mg/Kg			04/08/21 21:34	1

Client Sample ID: FL4 @ 4'

Date Collected: 03/26/21 00:00
Date Received: 03/30/21 13:09
Sample Depth: - 4'

Lab Sample ID: 880-860-8
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *-	0.00202		mg/Kg		04/06/21 11:15	04/06/21 17:27	1
Toluene	<0.00202	U *-	0.00202		mg/Kg		04/06/21 11:15	04/06/21 17:27	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/06/21 11:15	04/06/21 17:27	1
m-Xylene & p-Xylene	<0.00404	U *-	0.00404		mg/Kg		04/06/21 11:15	04/06/21 17:27	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/06/21 11:15	04/06/21 17:27	1
Xylenes, Total	<0.00404	U *-	0.00404		mg/Kg		04/06/21 11:15	04/06/21 17:27	1
Total BTEX	<0.00202	U *1 *-	0.00202		mg/Kg		04/06/21 11:15	04/06/21 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*04/06/21 11:15*	*04/06/21 17:27*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*04/06/21 11:15*	*04/06/21 17:27*	*1*

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch

Job ID: 880-860-1
SDG: Lea County NM

Client Sample ID: FL4 @ 4'

Date Collected: 03/26/21 00:00
Date Received: 03/30/21 13:09
Sample Depth: - 4'

Lab Sample ID: 880-860-8
Matrix: Solid

Method: 8015B MOD NM - Total Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		04/03/21 13:41	04/05/21 04:19	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/03/21 13:41	04/05/21 04:19	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/03/21 13:41	04/05/21 04:19	1
Total TPH	<49.7	U	49.7		mg/Kg		04/03/21 13:41	04/05/21 04:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*04/03/21 13:41*	*04/05/21 04:19*	*1*
o-Terphenyl	*117*		*70 - 130*	*04/03/21 13:41*	*04/05/21 04:19*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**580**		4.99		mg/Kg			04/08/21 21:51	1

Client Sample ID: FL5 @ 4'

Date Collected: 03/26/21 00:00
Date Received: 03/30/21 13:09
Sample Depth: - 4'

Lab Sample ID: 880-860-9
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F2 F1	0.00200		mg/Kg		04/07/21 09:26	04/07/21 12:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/07/21 09:26	04/07/21 12:02	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		04/07/21 09:26	04/07/21 12:02	1
m-Xylene & p-Xylene	<0.00401	U F1	0.00401		mg/Kg		04/07/21 09:26	04/07/21 12:02	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		04/07/21 09:26	04/07/21 12:02	1
Xylenes, Total	<0.00401	U F1	0.00401		mg/Kg		04/07/21 09:26	04/07/21 12:02	1
Total BTEX	<0.00200	U F2 F1	0.00200		mg/Kg		04/07/21 09:26	04/07/21 12:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*04/07/21 09:26*	*04/07/21 12:02*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/07/21 09:26*	*04/07/21 12:02*	*1*

Method: 8015B MOD NM - Total Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/03/21 13:41	04/05/21 04:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/03/21 13:41	04/05/21 04:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/03/21 13:41	04/05/21 04:40	1
Total TPH	<49.9	U	49.9		mg/Kg		04/03/21 13:41	04/05/21 04:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*04/03/21 13:41*	*04/05/21 04:40*	*1*
o-Terphenyl	*114*		*70 - 130*	*04/03/21 13:41*	*04/05/21 04:40*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**512**		4.96		mg/Kg			04/08/21 21:57	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch

Job ID: 880-860-1
SDG: Lea County NM

Client Sample ID: FL6 @ 4'

Date Collected: 03/26/21 00:00
Date Received: 03/30/21 13:09
Sample Depth: - 4'

Lab Sample ID: 880-860-10

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/07/21 09:26	04/07/21 12:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/07/21 09:26	04/07/21 12:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/07/21 09:26	04/07/21 12:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/07/21 09:26	04/07/21 12:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/07/21 09:26	04/07/21 12:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/07/21 09:26	04/07/21 12:24	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/07/21 09:26	04/07/21 12:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*04/07/21 09:26*	*04/07/21 12:24*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*04/07/21 09:26*	*04/07/21 12:24*	*1*

Method: 8015B MOD NM - Total Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/03/21 13:41	04/05/21 05:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/03/21 13:41	04/05/21 05:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/03/21 13:41	04/05/21 05:01	1
Total TPH	<49.8	U	49.8		mg/Kg		04/03/21 13:41	04/05/21 05:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*04/03/21 13:41*	*04/05/21 05:01*	*1*
o-Terphenyl	*118*		*70 - 130*	*04/03/21 13:41*	*04/05/21 05:01*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**546**		4.97		mg/Kg			04/08/21 22:02	1

Surrogate Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch

Job ID: 880-860-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
820-299-A-23-C MS	Matrix Spike	98	97
820-299-A-23-D MSD	Matrix Spike Duplicate	99	98
880-860-1	NW1	108	102
880-860-2	SW1	100	109
880-860-3	FL1 @ 4'	103	113
880-860-4	FL2 @ 6'	8868 S1+	2955 S1+
880-860-5	EW1	118	101
880-860-6	WW1	117	101
880-860-7	FL3 @ 4'	112	98
880-860-8	FL4 @ 4'	114	101
880-860-9	FL5 @ 4'	115	92
880-860-9 MS	FL5 @ 4'	91	93
880-860-9 MSD	FL5 @ 4'	95	107
880-860-10	FL6 @ 4'	94	107
890-472-A-41-D MS	Matrix Spike	137 S1+	85
890-472-A-41-E MSD	Matrix Spike Duplicate	109	100
LCS 880-1341/1-A	Lab Control Sample	87	87
LCS 880-1421/1-A	Lab Control Sample	88	104
LCS 880-1480/1-A	Lab Control Sample	104	100
LCSD 880-1341/2-A	Lab Control Sample Dup	100	86
LCSD 880-1421/2-A	Lab Control Sample Dup	92	106
LCSD 880-1480/2-A	Lab Control Sample Dup	104	99
MB 880-1304/9	Method Blank	117	89
MB 880-1341/5-A	Method Blank	118	95
MB 880-1421/5-A	Method Blank	112	94
MB 880-1480/5-A	Method Blank	108	94
MB 880-1527/8	Method Blank	105	96

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B MOD NM - Total Petroleum Hydrocarbons

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-860-1	NW1	100	105
880-860-2	SW1	104	110
880-860-3	FL1 @ 4'	106	108
880-860-4	FL2 @ 6'	121	111
880-860-5	EW1	113	118
880-860-6	WW1	106	112
880-860-7	FL3 @ 4'	103	110
880-860-8	FL4 @ 4'	109	117
880-860-9	FL5 @ 4'	109	114
880-860-10	FL6 @ 4'	111	118
890-448-A-1-D MS	Matrix Spike	113	106
890-448-A-1-E MSD	Matrix Spike Duplicate	111	105

Surrogate Summary

Client: Etech Environmental & Safety Solutions Job ID: 880-860-1
Project/Site: Bagley 7-inch SDG: Lea County NM

Method: 8015B MOD NM - Total Petroleum Hydrocarbons (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
LCS 880-1283/2-A	Lab Control Sample	121	116								
LCSD 880-1283/3-A	Lab Control Sample Dup	117	113								
MB 880-1283/1-A	Method Blank	100	104								

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch

Job ID: 880-860-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-1304/9
Matrix: Solid
Analysis Batch: 1304

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg			04/05/21 14:07	1
Toluene	<0.00200	U	0.00200		mg/Kg			04/05/21 14:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			04/05/21 14:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg			04/05/21 14:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg			04/05/21 14:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			04/05/21 14:07	1
Total BTEX	<0.00200	U	0.00200		mg/Kg			04/05/21 14:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*		*04/05/21 14:07*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*		*04/05/21 14:07*	*1*

Lab Sample ID: MB 880-1341/5-A
Matrix: Solid
Analysis Batch: 1304

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1341

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/05/21 16:11	04/06/21 01:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/05/21 16:11	04/06/21 01:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/05/21 16:11	04/06/21 01:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/05/21 16:11	04/06/21 01:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/05/21 16:11	04/06/21 01:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/05/21 16:11	04/06/21 01:05	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/05/21 16:11	04/06/21 01:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*04/05/21 16:11*	*04/06/21 01:05*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*04/05/21 16:11*	*04/06/21 01:05*	*1*

Lab Sample ID: LCS 880-1341/1-A
Matrix: Solid
Analysis Batch: 1304

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1341

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.07564		mg/Kg		76	70 - 130
Toluene	0.100	0.08525		mg/Kg		85	70 - 130
Ethylbenzene	0.100	0.08450		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	0.200	0.1724		mg/Kg		86	70 - 130
o-Xylene	0.100	0.08688		mg/Kg		87	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch

Job ID: 880-860-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-1341/2-A
Matrix: Solid
Analysis Batch: 1304

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1341

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.08118		mg/Kg		81	70 - 130	7	35
Toluene			0.100	0.09331		mg/Kg		93	70 - 130	9	35
Ethylbenzene			0.100	0.09864		mg/Kg		99	70 - 130	15	35
m-Xylene & p-Xylene			0.200	0.1920		mg/Kg		96	70 - 130	11	35
o-Xylene			0.100	0.09921		mg/Kg		99	70 - 130	13	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*

Lab Sample ID: 820-299-A-23-C MS
Matrix: Solid
Analysis Batch: 1304

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1341

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00202	U	0.0998	0.07774		mg/Kg		77	70 - 130
Toluene	<0.00202	U	0.0998	0.09077		mg/Kg		91	70 - 130
Ethylbenzene	<0.00202	U	0.0998	0.08381		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	<0.00404	U	0.200	0.1714		mg/Kg		86	70 - 130
o-Xylene	<0.00202	U	0.0998	0.08518		mg/Kg		85	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 820-299-A-23-D MSD
Matrix: Solid
Analysis Batch: 1304

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1341

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0990	0.07310		mg/Kg		73	70 - 130	6	35
Toluene	<0.00202	U	0.0990	0.09074		mg/Kg		92	70 - 130	0	35
Ethylbenzene	<0.00202	U	0.0990	0.08356		mg/Kg		84	70 - 130	0	35
m-Xylene & p-Xylene	<0.00404	U	0.198	0.1700		mg/Kg		86	70 - 130	1	35
o-Xylene	<0.00202	U	0.0990	0.08722		mg/Kg		88	70 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: MB 880-1421/5-A
Matrix: Solid
Analysis Batch: 1428

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1421

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/07/21 09:26	04/07/21 11:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/07/21 09:26	04/07/21 11:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/07/21 09:26	04/07/21 11:43	1

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch

Job ID: 880-860-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-1421/5-A
Matrix: Solid
Analysis Batch: 1428

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1421

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/07/21 09:26	04/07/21 11:43	1
o-Xylene	0.002127		0.00200		mg/Kg		04/07/21 09:26	04/07/21 11:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/07/21 09:26	04/07/21 11:43	1
Total BTEX	0.002127		0.00200		mg/Kg		04/07/21 09:26	04/07/21 11:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*04/07/21 09:26*	*04/07/21 11:43*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*04/07/21 09:26*	*04/07/21 11:43*	*1*

Lab Sample ID: LCS 880-1421/1-A
Matrix: Solid
Analysis Batch: 1428

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1421

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.07756		mg/Kg		78	70 - 130
Toluene	0.100	0.08327		mg/Kg		83	70 - 130
Ethylbenzene	0.100	0.08557		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	0.200	0.1696		mg/Kg		85	70 - 130
o-Xylene	0.100	0.08357		mg/Kg		84	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 880-1421/2-A
Matrix: Solid
Analysis Batch: 1428

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1421

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.07595		mg/Kg		76	70 - 130	2	35
Toluene	0.100	0.08182		mg/Kg		82	70 - 130	2	35
Ethylbenzene	0.100	0.08503		mg/Kg		85	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1683		mg/Kg		84	70 - 130	1	35
o-Xylene	0.100	0.08319		mg/Kg		83	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: 880-860-9 MS
Matrix: Solid
Analysis Batch: 1428

Client Sample ID: FL5 @ 4'
Prep Type: Total/NA
Prep Batch: 1421

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U F2 F1	0.0998	0.05527	F1	mg/Kg		54	70 - 130
Toluene	<0.00200	U	0.0998	0.07073		mg/Kg		71	70 - 130
Ethylbenzene	<0.00200	U F1	0.0998	0.06916	F1	mg/Kg		69	70 - 130
m-Xylene & p-Xylene	<0.00401	U F1	0.200	0.1350	F1	mg/Kg		68	70 - 130

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch

Job ID: 880-860-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-860-9 MS
Matrix: Solid
Analysis Batch: 1428

Client Sample ID: FL5 @ 4'
Prep Type: Total/NA
Prep Batch: 1421

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	<0.00200	U F1	0.0998	0.06550	F1	mg/Kg		66	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: 880-860-9 MSD
Matrix: Solid
Analysis Batch: 1428

Client Sample ID: FL5 @ 4'
Prep Type: Total/NA
Prep Batch: 1421

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F2 F1	0.0996	0.09566	F2	mg/Kg		95	70 - 130	54	35
Toluene	<0.00200	U	0.0996	0.09603		mg/Kg		96	70 - 130	30	35
Ethylbenzene	<0.00200	U F1	0.0996	0.08950		mg/Kg		90	70 - 130	26	35
m-Xylene & p-Xylene	<0.00401	U F1	0.199	0.1802		mg/Kg		90	70 - 130	29	35
o-Xylene	<0.00200	U F1	0.0996	0.08702		mg/Kg		87	70 - 130	28	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: MB 880-1480/5-A
Matrix: Solid
Analysis Batch: 1527

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1480

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/08/21 15:00	04/09/21 02:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/21 15:00	04/09/21 02:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/21 15:00	04/09/21 02:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/08/21 15:00	04/09/21 02:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/21 15:00	04/09/21 02:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/08/21 15:00	04/09/21 02:37	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/08/21 15:00	04/09/21 02:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*04/08/21 15:00*	*04/09/21 02:37*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*04/08/21 15:00*	*04/09/21 02:37*	*1*

Lab Sample ID: LCS 880-1480/1-A
Matrix: Solid
Analysis Batch: 1527

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1480

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1105		mg/Kg		111	70 - 130
Toluene	0.100	0.1160		mg/Kg		116	70 - 130
Ethylbenzene	0.100	0.1180		mg/Kg		118	70 - 130
m-Xylene & p-Xylene	0.200	0.2406		mg/Kg		120	70 - 130
o-Xylene	0.100	0.1190		mg/Kg		119	70 - 130

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch

Job ID: 880-860-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-1480/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 1527 — **Prep Batch: 1480**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.1074		mg/Kg		107	70 - 130	3	35
Toluene			0.100	0.1107		mg/Kg		111	70 - 130	5	35
Ethylbenzene			0.100	0.1154		mg/Kg		115	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.2366		mg/Kg		118	70 - 130	2	35
o-Xylene			0.100	0.1163		mg/Kg		116	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 890-472-A-41-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 1527 — **Prep Batch: 1480**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U F1 F2	0.100	0.01602	F1	mg/Kg		16	70 - 130
Toluene	<0.00199	U F1 F2	0.100	0.01783	F1	mg/Kg		18	70 - 130
Ethylbenzene	<0.00199	U F1 F2	0.100	0.02569	F1	mg/Kg		25	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.200	0.05008	F1	mg/Kg		25	70 - 130
o-Xylene	<0.00199	U F1 F2	0.100	0.03312	F1	mg/Kg		33	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

Lab Sample ID: 890-472-A-41-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 1527 — **Prep Batch: 1480**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F1 F2	0.0998	0.05781	F1 F2	mg/Kg		58	70 - 130	113	35
Toluene	<0.00199	U F1 F2	0.0998	0.05506	F1 F2	mg/Kg		55	70 - 130	102	35
Ethylbenzene	<0.00199	U F1 F2	0.0998	0.06012	F1 F2	mg/Kg		60	70 - 130	80	35
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.200	0.1204	F1 F2	mg/Kg		60	70 - 130	82	35
o-Xylene	<0.00199	U F1 F2	0.0998	0.06491	F1 F2	mg/Kg		65	70 - 130	65	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch

Job ID: 880-860-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-1527/8
Matrix: Solid
Analysis Batch: 1527

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg			04/08/21 16:03	1
Toluene	<0.00200	U	0.00200		mg/Kg			04/08/21 16:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			04/08/21 16:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg			04/08/21 16:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg			04/08/21 16:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			04/08/21 16:03	1
Total BTEX	<0.00200	U	0.00200		mg/Kg			04/08/21 16:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*04/08/21 16:03*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*		*04/08/21 16:03*	*1*

Method: 8015B MOD NM - Total Petroleum Hydrocarbons

Lab Sample ID: MB 880-1283/1-A
Matrix: Solid
Analysis Batch: 1291

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1283

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/03/21 13:41	04/04/21 22:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/03/21 13:41	04/04/21 22:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/03/21 13:41	04/04/21 22:41	1
Total TPH	<50.0	U	50.0		mg/Kg		04/03/21 13:41	04/04/21 22:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*04/03/21 13:41*	*04/04/21 22:41*	*1*
o-Terphenyl	*104*		*70 - 130*	*04/03/21 13:41*	*04/04/21 22:41*	*1*

Lab Sample ID: LCS 880-1283/2-A
Matrix: Solid
Analysis Batch: 1291

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1283

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1072		mg/Kg		107	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1024		mg/Kg		102	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*121*		*70 - 130*
o-Terphenyl	*116*		*70 - 130*

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch

Job ID: 880-860-1
SDG: Lea County NM

Method: 8015B MOD NM - Total Petroleum Hydrocarbons (Continued)

Lab Sample ID: LCSD 880-1283/3-A
Matrix: Solid
Analysis Batch: 1291

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1283

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1076		mg/Kg		108	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	976.6		mg/Kg		98	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*117*		*70 - 130*
o-Terphenyl	*113*		*70 - 130*

Lab Sample ID: 890-448-A-1-D MS
Matrix: Solid
Analysis Batch: 1291

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1283

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	1159		mg/Kg		111	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	1056		mg/Kg		103	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*113*		*70 - 130*
o-Terphenyl	*106*		*70 - 130*

Lab Sample ID: 890-448-A-1-E MSD
Matrix: Solid
Analysis Batch: 1291

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1283

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1125		mg/Kg		108	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1041		mg/Kg		102	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*111*		*70 - 130*
o-Terphenyl	*105*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-1411/1-A
Matrix: Solid
Analysis Batch: 1413

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/07/21 09:08	1

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch

Job ID: 880-860-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-1411/2-A
Matrix: Solid
Analysis Batch: 1413

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	253.8		mg/Kg		102	90 - 110		

Lab Sample ID: LCSD 880-1411/3-A
Matrix: Solid
Analysis Batch: 1413

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	254.7		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-732-A-11-B MS
Matrix: Solid
Analysis Batch: 1413

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	1310		252	1521	E 4	mg/Kg		84	90 - 110		

Lab Sample ID: 880-732-A-11-C MSD
Matrix: Solid
Analysis Batch: 1413

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1310		252	1524	E 4	mg/Kg		85	90 - 110	0	20

Lab Sample ID: MB 880-1514/1-A
Matrix: Solid
Analysis Batch: 1552

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/08/21 20:45	1

Lab Sample ID: LCS 880-1514/2-A
Matrix: Solid
Analysis Batch: 1552

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	255.5		mg/Kg		102	90 - 110		

Lab Sample ID: LCSD 880-1514/3-A
Matrix: Solid
Analysis Batch: 1552

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	255.9		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-860-3 MS
Matrix: Solid
Analysis Batch: 1552

Client Sample ID: FL1 @ 4'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	229		253	485.3		mg/Kg		101	90 - 110		

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch

Job ID: 880-860-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-860-3 MSD
Matrix: Solid
Analysis Batch: 1552

Client Sample ID: FL1 @ 4'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	229		253	469.9		mg/Kg		95	90 - 110	3	20

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch

Job ID: 880-860-1
SDG: Lea County NM

GC VOA

Analysis Batch: 1304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-860-1	NW1	Total/NA	Solid	8021B	1341
880-860-2	SW1	Total/NA	Solid	8021B	1341
880-860-3	FL1 @ 4'	Total/NA	Solid	8021B	1341
880-860-4	FL2 @ 6'	Total/NA	Solid	8021B	1341
MB 880-1304/9	Method Blank	Total/NA	Solid	8021B	
MB 880-1341/5-A	Method Blank	Total/NA	Solid	8021B	1341
LCS 880-1341/1-A	Lab Control Sample	Total/NA	Solid	8021B	1341
LCSD 880-1341/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1341
820-299-A-23-C MS	Matrix Spike	Total/NA	Solid	8021B	1341
820-299-A-23-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	1341

Prep Batch: 1341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-860-1	NW1	Total/NA	Solid	5035	
880-860-2	SW1	Total/NA	Solid	5035	
880-860-3	FL1 @ 4'	Total/NA	Solid	5035	
880-860-4	FL2 @ 6'	Total/NA	Solid	5035	
MB 880-1341/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1341/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1341/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
820-299-A-23-C MS	Matrix Spike	Total/NA	Solid	5035	
820-299-A-23-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 1366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-860-5	EW1	Total/NA	Solid	5035	
880-860-6	WW1	Total/NA	Solid	5035	
880-860-7	FL3 @ 4'	Total/NA	Solid	5035	
880-860-8	FL4 @ 4'	Total/NA	Solid	5035	

Analysis Batch: 1370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-860-5	EW1	Total/NA	Solid	8021B	1366
880-860-6	WW1	Total/NA	Solid	8021B	1366
880-860-7	FL3 @ 4'	Total/NA	Solid	8021B	1366
880-860-8	FL4 @ 4'	Total/NA	Solid	8021B	1366

Prep Batch: 1421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-860-9	FL5 @ 4'	Total/NA	Solid	5035	
880-860-10	FL6 @ 4'	Total/NA	Solid	5035	
MB 880-1421/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1421/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1421/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-860-9 MS	FL5 @ 4'	Total/NA	Solid	5035	
880-860-9 MSD	FL5 @ 4'	Total/NA	Solid	5035	

Analysis Batch: 1428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-860-9	FL5 @ 4'	Total/NA	Solid	8021B	1421
880-860-10	FL6 @ 4'	Total/NA	Solid	8021B	1421

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch

Job ID: 880-860-1
SDG: Lea County NM

GC VOA (Continued)

Analysis Batch: 1428 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-1421/5-A	Method Blank	Total/NA	Solid	8021B	1421
LCS 880-1421/1-A	Lab Control Sample	Total/NA	Solid	8021B	1421
LCSD 880-1421/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1421
880-860-9 MS	FL5 @ 4'	Total/NA	Solid	8021B	1421
880-860-9 MSD	FL5 @ 4'	Total/NA	Solid	8021B	1421

Prep Batch: 1480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-1480/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1480/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1480/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-472-A-41-D MS	Matrix Spike	Total/NA	Solid	5035	
890-472-A-41-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 1527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-860-4	FL2 @ 6'	Total/NA	Solid	8021B	1341
MB 880-1480/5-A	Method Blank	Total/NA	Solid	8021B	1480
MB 880-1527/8	Method Blank	Total/NA	Solid	8021B	
LCS 880-1480/1-A	Lab Control Sample	Total/NA	Solid	8021B	1480
LCSD 880-1480/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1480
890-472-A-41-D MS	Matrix Spike	Total/NA	Solid	8021B	1480
890-472-A-41-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	1480

GC Semi VOA

Prep Batch: 1283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-860-1	NW1	Total/NA	Solid	8015NM Prep	
880-860-2	SW1	Total/NA	Solid	8015NM Prep	
880-860-3	FL1 @ 4'	Total/NA	Solid	8015NM Prep	
880-860-4	FL2 @ 6'	Total/NA	Solid	8015NM Prep	
880-860-5	EW1	Total/NA	Solid	8015NM Prep	
880-860-6	WW1	Total/NA	Solid	8015NM Prep	
880-860-7	FL3 @ 4'	Total/NA	Solid	8015NM Prep	
880-860-8	FL4 @ 4'	Total/NA	Solid	8015NM Prep	
880-860-9	FL5 @ 4'	Total/NA	Solid	8015NM Prep	
880-860-10	FL6 @ 4'	Total/NA	Solid	8015NM Prep	
MB 880-1283/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1283/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1283/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-448-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-448-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 1291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-860-1	NW1	Total/NA	Solid	8015B MOD NM	1283
880-860-2	SW1	Total/NA	Solid	8015B MOD NM	1283
880-860-3	FL1 @ 4'	Total/NA	Solid	8015B MOD NM	1283
880-860-4	FL2 @ 6'	Total/NA	Solid	8015B MOD NM	1283
880-860-5	EW1	Total/NA	Solid	8015B MOD NM	1283

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch

Job ID: 880-860-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 1291 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-860-6	WW1	Total/NA	Solid	8015B MOD NM	1283
880-860-7	FL3 @ 4'	Total/NA	Solid	8015B MOD NM	1283
880-860-8	FL4 @ 4'	Total/NA	Solid	8015B MOD NM	1283
880-860-9	FL5 @ 4'	Total/NA	Solid	8015B MOD NM	1283
880-860-10	FL6 @ 4'	Total/NA	Solid	8015B MOD NM	1283
MB 880-1283/1-A	Method Blank	Total/NA	Solid	8015B MOD NM	1283
LCS 880-1283/2-A	Lab Control Sample	Total/NA	Solid	8015B MOD NM	1283
LCSD 880-1283/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B MOD NM	1283
890-448-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B MOD NM	1283
890-448-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B MOD NM	1283

HPLC/IC

Leach Batch: 1411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-860-1	NW1	Soluble	Solid	DI Leach	
880-860-2	SW1	Soluble	Solid	DI Leach	
MB 880-1411/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1411/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1411/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-732-A-11-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-732-A-11-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 1413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-860-1	NW1	Soluble	Solid	300.0	1411
880-860-2	SW1	Soluble	Solid	300.0	1411
MB 880-1411/1-A	Method Blank	Soluble	Solid	300.0	1411
LCS 880-1411/2-A	Lab Control Sample	Soluble	Solid	300.0	1411
LCSD 880-1411/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1411
880-732-A-11-B MS	Matrix Spike	Soluble	Solid	300.0	1411
880-732-A-11-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	1411

Leach Batch: 1514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-860-3	FL1 @ 4'	Soluble	Solid	DI Leach	
880-860-4	FL2 @ 6'	Soluble	Solid	DI Leach	
880-860-5	EW1	Soluble	Solid	DI Leach	
880-860-6	WW1	Soluble	Solid	DI Leach	
880-860-7	FL3 @ 4'	Soluble	Solid	DI Leach	
880-860-8	FL4 @ 4'	Soluble	Solid	DI Leach	
880-860-9	FL5 @ 4'	Soluble	Solid	DI Leach	
880-860-10	FL6 @ 4'	Soluble	Solid	DI Leach	
MB 880-1514/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1514/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1514/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-860-3 MS	FL1 @ 4'	Soluble	Solid	DI Leach	
880-860-3 MSD	FL1 @ 4'	Soluble	Solid	DI Leach	

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch

Job ID: 880-860-1
SDG: Lea County NM

HPLC/IC

Analysis Batch: 1552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-860-3	FL1 @ 4'	Soluble	Solid	300.0	1514
880-860-4	FL2 @ 6'	Soluble	Solid	300.0	1514
880-860-5	EW1	Soluble	Solid	300.0	1514
880-860-6	WW1	Soluble	Solid	300.0	1514
880-860-7	FL3 @ 4'	Soluble	Solid	300.0	1514
880-860-8	FL4 @ 4'	Soluble	Solid	300.0	1514
880-860-9	FL5 @ 4'	Soluble	Solid	300.0	1514
880-860-10	FL6 @ 4'	Soluble	Solid	300.0	1514
MB 880-1514/1-A	Method Blank	Soluble	Solid	300.0	1514
LCS 880-1514/2-A	Lab Control Sample	Soluble	Solid	300.0	1514
LCSD 880-1514/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1514
880-860-3 MS	FL1 @ 4'	Soluble	Solid	300.0	1514
880-860-3 MSD	FL1 @ 4'	Soluble	Solid	300.0	1514

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch

Job ID: 880-860-1
SDG: Lea County NM

Client Sample ID: NW1
Date Collected: 03/25/21 00:00
Date Received: 03/30/21 13:09

Lab Sample ID: 880-860-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1341	04/05/21 16:11	MR	XM
Total/NA	Analysis	8021B		1	1304	04/06/21 07:58	MR	XM
Total/NA	Prep	8015NM Prep			1283	04/03/21 13:41	DM	XM
Total/NA	Analysis	8015B MOD NM		1	1291	04/05/21 01:30	AJ	XM
Soluble	Leach	DI Leach			1411	04/06/21 18:49	CH	XM
Soluble	Analysis	300.0		1	1413	04/07/21 10:12	CH	XM

Client Sample ID: SW1
Date Collected: 03/25/21 00:00
Date Received: 03/30/21 13:09

Lab Sample ID: 880-860-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1341	04/05/21 16:11	MR	XM
Total/NA	Analysis	8021B		1	1304	04/06/21 08:19	MR	XM
Total/NA	Prep	8015NM Prep			1283	04/03/21 13:41	DM	XM
Total/NA	Analysis	8015B MOD NM		1	1291	04/05/21 01:52	AJ	XM
Soluble	Leach	DI Leach			1411	04/06/21 18:49	CH	XM
Soluble	Analysis	300.0		1	1413	04/07/21 10:17	CH	XM

Client Sample ID: FL1 @ 4'
Date Collected: 03/25/21 00:00
Date Received: 03/30/21 13:09

Lab Sample ID: 880-860-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1341	04/05/21 16:11	MR	XM
Total/NA	Analysis	8021B		1	1304	04/06/21 08:40	MR	XM
Total/NA	Prep	8015NM Prep			1283	04/03/21 13:41	DM	XM
Total/NA	Analysis	8015B MOD NM		1	1291	04/05/21 02:13	AJ	XM
Soluble	Leach	DI Leach			1514	04/08/21 11:26	SC	XM
Soluble	Analysis	300.0		1	1552	04/08/21 21:01	WP	XM

Client Sample ID: FL2 @ 6'
Date Collected: 03/25/21 00:00
Date Received: 03/30/21 13:09

Lab Sample ID: 880-860-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1341	04/05/21 16:11	MR	XM
Total/NA	Analysis	8021B		1	1304	04/06/21 09:01	MR	XM
Total/NA	Prep	5035			1341	04/05/21 16:11	MR	XM
Total/NA	Analysis	8021B		100	1527	04/09/21 10:22	AJ	XM
Total/NA	Prep	8015NM Prep			1283	04/03/21 13:41	DM	XM
Total/NA	Analysis	8015B MOD NM		1	1291	04/05/21 02:34	AJ	XM
Soluble	Leach	DI Leach			1514	04/08/21 11:26	SC	XM
Soluble	Analysis	300.0		1	1552	04/08/21 21:18	WP	XM

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch

Job ID: 880-860-1
SDG: Lea County NM

Client Sample ID: EW1
Date Collected: 03/26/21 00:00
Date Received: 03/30/21 13:09

Lab Sample ID: 880-860-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1366	04/06/21 11:15	MR	XM
Total/NA	Analysis	8021B		1	1370	04/06/21 16:26	AJ	XM
Total/NA	Prep	8015NM Prep			1283	04/03/21 13:41	DM	XM
Total/NA	Analysis	8015B MOD NM		1	1291	04/05/21 02:55	AJ	XM
Soluble	Leach	DI Leach			1514	04/08/21 11:26	SC	XM
Soluble	Analysis	300.0		1	1552	04/08/21 21:23	WP	XM

Client Sample ID: WW1
Date Collected: 03/26/21 00:00
Date Received: 03/30/21 13:09

Lab Sample ID: 880-860-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1366	04/06/21 11:15	MR	XM
Total/NA	Analysis	8021B		1	1370	04/06/21 16:46	AJ	XM
Total/NA	Prep	8015NM Prep			1283	04/03/21 13:41	DM	XM
Total/NA	Analysis	8015B MOD NM		1	1291	04/05/21 03:16	AJ	XM
Soluble	Leach	DI Leach			1514	04/08/21 11:26	SC	XM
Soluble	Analysis	300.0		1	1552	04/08/21 21:29	WP	XM

Client Sample ID: FL3 @ 4'
Date Collected: 03/26/21 00:00
Date Received: 03/30/21 13:09

Lab Sample ID: 880-860-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1366	04/06/21 11:15	MR	XM
Total/NA	Analysis	8021B		1	1370	04/06/21 17:07	AJ	XM
Total/NA	Prep	8015NM Prep			1283	04/03/21 13:41	DM	XM
Total/NA	Analysis	8015B MOD NM		1	1291	04/05/21 03:37	AJ	XM
Soluble	Leach	DI Leach			1514	04/08/21 11:26	SC	XM
Soluble	Analysis	300.0		1	1552	04/08/21 21:34	WP	XM

Client Sample ID: FL4 @ 4'
Date Collected: 03/26/21 00:00
Date Received: 03/30/21 13:09

Lab Sample ID: 880-860-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1366	04/06/21 11:15	MR	XM
Total/NA	Analysis	8021B		1	1370	04/06/21 17:27	AJ	XM
Total/NA	Prep	8015NM Prep			1283	04/03/21 13:41	DM	XM
Total/NA	Analysis	8015B MOD NM		1	1291	04/05/21 04:19	AJ	XM
Soluble	Leach	DI Leach			1514	04/08/21 11:26	SC	XM
Soluble	Analysis	300.0		1	1552	04/08/21 21:51	WP	XM

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch

Job ID: 880-860-1
SDG: Lea County NM

Client Sample ID: FL5 @ 4'

Date Collected: 03/26/21 00:00
Date Received: 03/30/21 13:09

Lab Sample ID: 880-860-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1421	04/07/21 09:26	MR	XM
Total/NA	Analysis	8021B		1	1428	04/07/21 12:02	KL	XM
Total/NA	Prep	8015NM Prep			1283	04/03/21 13:41	DM	XM
Total/NA	Analysis	8015B MOD NM		1	1291	04/05/21 04:40	AJ	XM
Soluble	Leach	DI Leach			1514	04/08/21 11:26	SC	XM
Soluble	Analysis	300.0		1	1552	04/08/21 21:57	WP	XM

Client Sample ID: FL6 @ 4'

Date Collected: 03/26/21 00:00
Date Received: 03/30/21 13:09

Lab Sample ID: 880-860-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1421	04/07/21 09:26	MR	XM
Total/NA	Analysis	8021B		1	1428	04/07/21 12:24	KL	XM
Total/NA	Prep	8015NM Prep			1283	04/03/21 13:41	DM	XM
Total/NA	Analysis	8015B MOD NM		1	1291	04/05/21 05:01	AJ	XM
Soluble	Leach	DI Leach			1514	04/08/21 11:26	SC	XM
Soluble	Analysis	300.0		1	1552	04/08/21 22:02	WP	XM

Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Etech Environmental & Safety Solutions
Job ID: 880-860-1
Project/Site: Bagley 7-inch
SDG: Lea County NM

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B MOD NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch

Job ID: 880-860-1
SDG: Lea County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XM
8015B MOD NM	Total Petroleum Hydrocarbons	SW846	XM
300.0	Anions, Ion Chromatography	MCAWW	XM
5035	Closed System Purge and Trap	SW846	XM
8015NM Prep	Microextraction	SW846	XM
DI Leach	Deionized Water Leaching Procedure	ASTM	XM

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch

Job ID: 880-860-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-860-1	NW1	Solid	03/25/21 00:00	03/30/21 13:09	
880-860-2	SW1	Solid	03/25/21 00:00	03/30/21 13:09	
880-860-3	FL1 @ 4'	Solid	03/25/21 00:00	03/30/21 13:09	
880-860-4	FL2 @ 6'	Solid	03/25/21 00:00	03/30/21 13:09	
880-860-5	EW1	Solid	03/26/21 00:00	03/30/21 13:09	
880-860-6	WW1	Solid	03/26/21 00:00	03/30/21 13:09	
880-860-7	FL3 @ 4'	Solid	03/26/21 00:00	03/30/21 13:09	
880-860-8	FL4 @ 4'	Solid	03/26/21 00:00	03/30/21 13:09	
880-860-9	FL5 @ 4'	Solid	03/26/21 00:00	03/30/21 13:09	
880-860-10	FL6 @ 4'	Solid	03/26/21 00:00	03/30/21 13:09	

XENCO LABORATORIES

Houston
Midlan
Hobbs
Tampa F

880-860 Chain of Custody

X (210) 509-3334
X (806) 794-1296
(480) 355-0900
FL (561) 689-6701

Work Order No: 9L0

www xenco com Page 1 of 1

Project Manager	Joel Lowry	Bill to (if different)	Targa C/O Joseph Austin
Company Name:	Etech Environmental and Safety	Company Name:	Targa
Address:	3100 Plains Hwy	Address:	
City, State ZIP	Lovington, NM, 88260	City, State ZIP	
Phone:	575-396-2378 Email:	Email Results to	PM@etechenv com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting Level ☐ Level ☐ PST/US ☐ TRP ☐ Level ☐
Deliverables EDD ☐ ADaPT ☐ Other

Project Name:	Bagley 7-Inch	Turn Around	
Project Number	13146	Routine	☑
Project Location	Lea County, NM	Rush	☐
Sampler's Name:		Due Date	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Temperature (°C):	1.5+0.0	Thermometer ID		
Received Intact:	(Yes) No			
Cooler Custody Seals:	Yes No (N/A)	Correction Factor	0.5	
Sample Custody Seals:	Yes No N/A	Total Containers.		

ANALYSIS REQUEST

Preservative Codes

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

TAT starts the day recevied by the lab if received by 4.30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)	Sample Comments
NW1	Soil	3/25/21		—	1	X	X	X	
SW1	Soil	3/25/21		—	1	X	X	X	
FL1@4'	Soil	3/25/21		4'	1	X	X	X	
FL2@6'	Soil	3/25/21		6'	1	X	X	X	
EW1	Soil	3/26/21		—	1	X	X	X	
WW1	Soil	3/26/21		—	1	X	X	X	
FL3@4'	Soil	3/26/21		4'	1	X	X	X	
FL4@4'	Soil	3/26/21		4'	1	X	X	X	
FL5@4'	Soil	3/26/21		4'	1	X	X	X	
FL6@4'	Soil	3/26/21		4'	1	X	X	X	

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

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

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

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			4:38/3-26	2		3/30/21
3				4		1309
5				6		

Revised Date 101419 Rev 2019 1

4/12/2021

Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 880-860-1
SDG Number: Lea County NM

Login Number: 860
List Number: 1
Creator: Teel, Brianna

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-1240-1
Laboratory Sample Delivery Group: Lea County NM
Client Project/Site: Bagley 7 inch 13416

For:
Etech Environmental & Safety Solutions
PO BOX 62228
Midland, Texas 79711

Attn: PM List

JKramer

Authorized for release by:
4/14/2021 6:06:19 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7 inch 13416

Laboratory Job ID: 880-1240-1
SDG: Lea County NM

Table of Contents

Definitions/Glossary

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7 inch 13416

Job ID: 880-1240-1
SDG: Lea County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7 inch 13416

Job ID: 880-1240-1
SDG: Lea County NM

Job ID: 880-1240-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-1240-1

Receipt
The samples were received on 4/13/2021 1:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 10.1°C

GC VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7 inch 13416

Job ID: 880-1240-1
SDG: Lea County NM

Client Sample ID: NWB

Date Collected: 04/09/21 00:00
Date Received: 04/13/21 13:00

Lab Sample ID: 880-1240-1
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/13/21 13:44	04/14/21 06:30	1
Ethylbenzene	**0.00403**		0.00202		mg/Kg		04/13/21 13:44	04/14/21 06:30	1
Toluene	**0.00373**		0.00202		mg/Kg		04/13/21 13:44	04/14/21 06:30	1
Total BTEX	**0.0576**		0.00202		mg/Kg		04/13/21 13:44	04/14/21 06:30	1
Xylenes, Total	**0.0498**		0.00403		mg/Kg		04/13/21 13:44	04/14/21 06:30	1
m-Xylene & p-Xylene	**0.0142**		0.00403		mg/Kg		04/13/21 13:44	04/14/21 06:30	1
o-Xylene	**0.0356**		0.00202		mg/Kg		04/13/21 13:44	04/14/21 06:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*04/13/21 13:44*	*04/14/21 06:30*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*04/13/21 13:44*	*04/14/21 06:30*	*1*

Method: 8015B MOD NM - Total Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**84.6**		49.9		mg/Kg		04/13/21 15:30	04/13/21 20:25	1
Total TPH	**1580**		49.9		mg/Kg		04/13/21 15:30	04/13/21 20:25	1
Diesel Range Organics (Over C10-C28)	**1500**		49.9		mg/Kg		04/13/21 15:30	04/13/21 20:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/13/21 15:30	04/13/21 20:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*04/13/21 15:30*	*04/13/21 20:25*	*1*
o-Terphenyl	*106*		*70 - 130*	*04/13/21 15:30*	*04/13/21 20:25*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**393**		5.05		mg/Kg			04/14/21 03:20	1

Client Sample ID: EWB

Date Collected: 04/09/21 00:00
Date Received: 04/13/21 13:00

Lab Sample ID: 880-1240-2
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/13/21 13:44	04/14/21 06:50	1
Ethylbenzene	**0.00398**		0.00200		mg/Kg		04/13/21 13:44	04/14/21 06:50	1
Toluene	**0.00736**		0.00200		mg/Kg		04/13/21 13:44	04/14/21 06:50	1
Total BTEX	**0.105**		0.00200		mg/Kg		04/13/21 13:44	04/14/21 06:50	1
Xylenes, Total	**0.0934**		0.00401		mg/Kg		04/13/21 13:44	04/14/21 06:50	1
m-Xylene & p-Xylene	**0.0486**		0.00401		mg/Kg		04/13/21 13:44	04/14/21 06:50	1
o-Xylene	**0.0448**		0.00200		mg/Kg		04/13/21 13:44	04/14/21 06:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*04/13/21 13:44*	*04/14/21 06:50*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*04/13/21 13:44*	*04/14/21 06:50*	*1*

Method: 8015B MOD NM - Total Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**70.2**		50.0		mg/Kg		04/13/21 15:30	04/13/21 20:46	1
Total TPH	**1500**		50.0		mg/Kg		04/13/21 15:30	04/13/21 20:46	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7 inch 13416

Job ID: 880-1240-1
SDG: Lea County NM

Client Sample ID: EWB

Lab Sample ID: 880-1240-2
Matrix: Solid
Date Collected: 04/09/21 00:00
Date Received: 04/13/21 13:00

Method: 8015B MOD NM - Total Petroleum Hydrocarbons (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	**1430**		50.0		mg/Kg		04/13/21 15:30	04/13/21 20:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/13/21 15:30	04/13/21 20:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*04/13/21 15:30*	*04/13/21 20:46*	*1*
o-Terphenyl	*97*		*70 - 130*	*04/13/21 15:30*	*04/13/21 20:46*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**348**		5.05		mg/Kg			04/14/21 03:26	1

Client Sample ID: SWB

Lab Sample ID: 880-1240-3
Matrix: Solid
Date Collected: 04/09/21 00:00
Date Received: 04/13/21 13:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/13/21 13:44	04/14/21 07:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/13/21 13:44	04/14/21 07:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/13/21 13:44	04/14/21 07:11	1
Total BTEX	**0.0323**		0.00200		mg/Kg		04/13/21 13:44	04/14/21 07:11	1
Xylenes, Total	**0.0323**		0.00399		mg/Kg		04/13/21 13:44	04/14/21 07:11	1
m-Xylene & p-Xylene	**0.0109**		0.00399		mg/Kg		04/13/21 13:44	04/14/21 07:11	1
o-Xylene	**0.0214**		0.00200		mg/Kg		04/13/21 13:44	04/14/21 07:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/13/21 13:44*	*04/14/21 07:11*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*04/13/21 13:44*	*04/14/21 07:11*	*1*

Method: 8015B MOD NM - Total Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/13/21 15:30	04/14/21 08:51	1
Total TPH	**1910**		50.0		mg/Kg		04/13/21 15:30	04/14/21 08:51	1
Diesel Range Organics (Over C10-C28)	**1910**		50.0		mg/Kg		04/13/21 15:30	04/14/21 08:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/13/21 15:30	04/14/21 08:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*04/13/21 15:30*	*04/14/21 08:51*	*1*
o-Terphenyl	*92*		*70 - 130*	*04/13/21 15:30*	*04/14/21 08:51*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**257**		5.03		mg/Kg			04/13/21 23:06	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7 inch 13416

Job ID: 880-1240-1
SDG: Lea County NM

Client Sample ID: WWB

Date Collected: 04/09/21 00:00
Date Received: 04/13/21 13:00

Lab Sample ID: 880-1240-4

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/13/21 13:44	04/14/21 07:32	1
Ethylbenzene	**0.00915**		0.00202		mg/Kg		04/13/21 13:44	04/14/21 07:32	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/13/21 13:44	04/14/21 07:32	1
Total BTEX	**0.0921**		0.00202		mg/Kg		04/13/21 13:44	04/14/21 07:32	1
Xylenes, Total	**0.0829**		0.00404		mg/Kg		04/13/21 13:44	04/14/21 07:32	1
m-Xylene & p-Xylene	**0.0514**		0.00404		mg/Kg		04/13/21 13:44	04/14/21 07:32	1
o-Xylene	**0.0315**		0.00202		mg/Kg		04/13/21 13:44	04/14/21 07:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*04/13/21 13:44*	*04/14/21 07:32*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*04/13/21 13:44*	*04/14/21 07:32*	*1*

Method: 8015B MOD NM - Total Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**128**		50.0		mg/Kg		04/13/21 15:30	04/13/21 21:28	1
Total TPH	**526**		50.0		mg/Kg		04/13/21 15:30	04/13/21 21:28	1
Diesel Range Organics (Over C10-C28)	**398**		50.0		mg/Kg		04/13/21 15:30	04/13/21 21:28	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/13/21 15:30	04/13/21 21:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*04/13/21 15:30*	*04/13/21 21:28*	*1*
o-Terphenyl	*111*		*70 - 130*	*04/13/21 15:30*	*04/13/21 21:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**626**		5.05		mg/Kg			04/13/21 23:12	1

Surrogate Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7 inch 13416

Job ID: 880-1240-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-1240-1	NWB	89	105										
880-1240-2	EWB	90	110										
880-1240-3	SWB	101	115										
880-1240-4	WWB	100	109										
LCS 880-1740/1-A	Lab Control Sample	91	108										
LCSD 880-1740/2-A	Lab Control Sample Dup	90	108										
MB 880-1647/5-A	Method Blank	110	102										
MB 880-1740/5-A	Method Blank	115	100										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B MOD NM - Total Petroleum Hydrocarbons

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-1240-1	NWB	111	106										
880-1240-2	EWB	113	97										
880-1240-3	SWB	106	92										
880-1240-4	WWB	107	111										
LCS 880-1712/2-A	Lab Control Sample	113	112										
LCSD 880-1712/3-A	Lab Control Sample Dup	108	110										
MB 880-1712/1-A	Method Blank	104	115										

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7 inch 13416

Job ID: 880-1240-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-1647/5-A
Matrix: Solid
Analysis Batch: 1703

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1647

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/12/21 10:51	04/13/21 12:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/12/21 10:51	04/13/21 12:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/12/21 10:51	04/13/21 12:30	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/12/21 10:51	04/13/21 12:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/12/21 10:51	04/13/21 12:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/12/21 10:51	04/13/21 12:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/12/21 10:51	04/13/21 12:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*04/12/21 10:51*	*04/13/21 12:30*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*04/12/21 10:51*	*04/13/21 12:30*	*1*

Lab Sample ID: MB 880-1740/5-A
Matrix: Solid
Analysis Batch: 1703

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1740

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/13/21 13:44	04/13/21 23:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/13/21 13:44	04/13/21 23:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/13/21 13:44	04/13/21 23:31	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/13/21 13:44	04/13/21 23:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/13/21 13:44	04/13/21 23:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/13/21 13:44	04/13/21 23:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/13/21 13:44	04/13/21 23:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*04/13/21 13:44*	*04/13/21 23:31*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*04/13/21 13:44*	*04/13/21 23:31*	*1*

Lab Sample ID: LCS 880-1740/1-A
Matrix: Solid
Analysis Batch: 1703

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1740

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08959		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.08896		mg/Kg		89	70 - 130
Toluene	0.100	0.09617		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	0.200	0.1841		mg/Kg		92	70 - 130
o-Xylene	0.100	0.09472		mg/Kg		95	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7 inch 13416

Job ID: 880-1240-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-1740/2-A
Matrix: Solid
Analysis Batch: 1703

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1740

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.08750		mg/Kg		87	70 - 130	2	35
Ethylbenzene			0.100	0.09152		mg/Kg		92	70 - 130	3	35
Toluene			0.100	0.09704		mg/Kg		97	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.1866		mg/Kg		93	70 - 130	1	35
o-Xylene			0.100	0.09441		mg/Kg		94	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Method: 8015B MOD NM - Total Petroleum Hydrocarbons

Lab Sample ID: MB 880-1712/1-A
Matrix: Solid
Analysis Batch: 1730

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1712

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/13/21 11:19	04/13/21 14:25	1
Total TPH	<50.0	U	50.0		mg/Kg		04/13/21 11:19	04/13/21 14:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/13/21 11:19	04/13/21 14:25	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/13/21 11:19	04/13/21 14:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*04/13/21 11:19*	*04/13/21 14:25*	*1*
o-Terphenyl	*115*		*70 - 130*	*04/13/21 11:19*	*04/13/21 14:25*	*1*

Lab Sample ID: LCS 880-1712/2-A
Matrix: Solid
Analysis Batch: 1730

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1712

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1230		mg/Kg		123	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1185		mg/Kg		118	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*113*		*70 - 130*
o-Terphenyl	*112*		*70 - 130*

Lab Sample ID: LCSD 880-1712/3-A
Matrix: Solid
Analysis Batch: 1730

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1712

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1271		mg/Kg		127	70 - 130	3	20

Eurofins Xenco, Midland

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7 inch 13416

Job ID: 880-1240-1
SDG: Lea County NM

Method: 8015B MOD NM - Total Petroleum Hydrocarbons (Continued)

Lab Sample ID: LCSD 880-1712/3-A
Matrix: Solid
Analysis Batch: 1730

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1712

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (Over C10-C28)			1000	1187		mg/Kg		119	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*108*		*70 - 130*
o-Terphenyl	*110*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-1738/1-A
Matrix: Solid
Analysis Batch: 1749

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/14/21 00:47	1

Lab Sample ID: LCS 880-1738/2-A
Matrix: Solid
Analysis Batch: 1749

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	236.4		mg/Kg		95	90 - 110		

Lab Sample ID: LCSD 880-1738/3-A
Matrix: Solid
Analysis Batch: 1749

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	231.4		mg/Kg		93	90 - 110	2	20

Lab Sample ID: MB 880-1722/1-A
Matrix: Solid
Analysis Batch: 1753

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/13/21 21:15	1

Lab Sample ID: LCS 880-1722/2-A
Matrix: Solid
Analysis Batch: 1753

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	249.8		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-1722/3-A
Matrix: Solid
Analysis Batch: 1753

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	248.8		mg/Kg		100	90 - 110	0	20

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7 inch 13416

Job ID: 880-1240-1
SDG: Lea County NM

GC VOA

Prep Batch: 1647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-1647/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 1703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1240-1	NWB	Total/NA	Solid	8021B	1740
880-1240-2	EWB	Total/NA	Solid	8021B	1740
880-1240-3	SWB	Total/NA	Solid	8021B	1740
880-1240-4	WWB	Total/NA	Solid	8021B	1740
MB 880-1647/5-A	Method Blank	Total/NA	Solid	8021B	1647
MB 880-1740/5-A	Method Blank	Total/NA	Solid	8021B	1740
LCS 880-1740/1-A	Lab Control Sample	Total/NA	Solid	8021B	1740
LCSD 880-1740/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1740

Prep Batch: 1740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1240-1	NWB	Total/NA	Solid	5035	
880-1240-2	EWB	Total/NA	Solid	5035	
880-1240-3	SWB	Total/NA	Solid	5035	
880-1240-4	WWB	Total/NA	Solid	5035	
MB 880-1740/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1740/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1740/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 1712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1240-1	NWB	Total/NA	Solid	8015NM Prep	
880-1240-2	EWB	Total/NA	Solid	8015NM Prep	
880-1240-3	SWB	Total/NA	Solid	8015NM Prep	
880-1240-4	WWB	Total/NA	Solid	8015NM Prep	
MB 880-1712/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1712/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1712/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 1730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1240-1	NWB	Total/NA	Solid	8015B MOD NM	1712
880-1240-2	EWB	Total/NA	Solid	8015B MOD NM	1712
880-1240-3	SWB	Total/NA	Solid	8015B MOD NM	1712
880-1240-4	WWB	Total/NA	Solid	8015B MOD NM	1712
MB 880-1712/1-A	Method Blank	Total/NA	Solid	8015B MOD NM	1712
LCS 880-1712/2-A	Lab Control Sample	Total/NA	Solid	8015B MOD NM	1712
LCSD 880-1712/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B MOD NM	1712

HPLC/IC

Leach Batch: 1722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1240-3	SWB	Soluble	Solid	DI Leach	
880-1240-4	WWB	Soluble	Solid	DI Leach	
MB 880-1722/1-A	Method Blank	Soluble	Solid	DI Leach	

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7 inch 13416

Job ID: 880-1240-1
SDG: Lea County NM

HPLC/IC (Continued)

Leach Batch: 1722 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-1722/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1722/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 1738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1240-1	NWB	Soluble	Solid	DI Leach	
880-1240-2	EWB	Soluble	Solid	DI Leach	
MB 880-1738/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1738/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1738/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 1749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1240-1	NWB	Soluble	Solid	300.0	1738
880-1240-2	EWB	Soluble	Solid	300.0	1738
MB 880-1738/1-A	Method Blank	Soluble	Solid	300.0	1738
LCS 880-1738/2-A	Lab Control Sample	Soluble	Solid	300.0	1738
LCSD 880-1738/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1738

Analysis Batch: 1753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1240-3	SWB	Soluble	Solid	300.0	1722
880-1240-4	WWB	Soluble	Solid	300.0	1722
MB 880-1722/1-A	Method Blank	Soluble	Solid	300.0	1722
LCS 880-1722/2-A	Lab Control Sample	Soluble	Solid	300.0	1722
LCSD 880-1722/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1722

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7 inch 13416

Job ID: 880-1240-1
SDG: Lea County NM

Client Sample ID: NWB
Lab Sample ID: 880-1240-1
Date Collected: 04/09/21 00:00
Matrix: Solid
Date Received: 04/13/21 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1740	04/13/21 13:44	KL	XM
Total/NA	Analysis	8021B		1	1703	04/14/21 06:30	KL	XM
Total/NA	Prep	8015NM Prep			1712	04/13/21 15:30	DM	XM
Total/NA	Analysis	8015B MOD NM		1	1730	04/13/21 20:25	AJ	XM
Soluble	Leach	DI Leach			1738	04/13/21 13:43	SC	XM
Soluble	Analysis	300.0		1	1749	04/14/21 03:20	CH	XM

Client Sample ID: EWB
Lab Sample ID: 880-1240-2
Date Collected: 04/09/21 00:00
Matrix: Solid
Date Received: 04/13/21 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1740	04/13/21 13:44	KL	XM
Total/NA	Analysis	8021B		1	1703	04/14/21 06:50	KL	XM
Total/NA	Prep	8015NM Prep			1712	04/13/21 15:30	DM	XM
Total/NA	Analysis	8015B MOD NM		1	1730	04/13/21 20:46	AJ	XM
Soluble	Leach	DI Leach			1738	04/13/21 13:43	SC	XM
Soluble	Analysis	300.0		1	1749	04/14/21 03:26	CH	XM

Client Sample ID: SWB
Lab Sample ID: 880-1240-3
Date Collected: 04/09/21 00:00
Matrix: Solid
Date Received: 04/13/21 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1740	04/13/21 13:44	KL	XM
Total/NA	Analysis	8021B		1	1703	04/14/21 07:11	KL	XM
Total/NA	Prep	8015NM Prep			1712	04/13/21 15:30	DM	XM
Total/NA	Analysis	8015B MOD NM		1	1730	04/14/21 08:51	AJ	XM
Soluble	Leach	DI Leach			1722	04/13/21 16:50	SC	XM
Soluble	Analysis	300.0		1	1753	04/13/21 23:06	CH	XM

Client Sample ID: WWB
Lab Sample ID: 880-1240-4
Date Collected: 04/09/21 00:00
Matrix: Solid
Date Received: 04/13/21 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1740	04/13/21 13:44	KL	XM
Total/NA	Analysis	8021B		1	1703	04/14/21 07:32	KL	XM
Total/NA	Prep	8015NM Prep			1712	04/13/21 15:30	DM	XM
Total/NA	Analysis	8015B MOD NM		1	1730	04/13/21 21:28	AJ	XM
Soluble	Leach	DI Leach			1722	04/13/21 16:50	SC	XM
Soluble	Analysis	300.0		1	1753	04/13/21 23:12	CH	XM

Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Midland

Accreditation/Certification Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7 inch 13416

Job ID: 880-1240-1
SDG: Lea County NM

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B MOD NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7 inch 13416

Job ID: 880-1240-1
SDG: Lea County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XM
8015B MOD NM	Total Petroleum Hydrocarbons	SW846	XM
300.0	Anions, Ion Chromatography	MCAWW	XM
5035	Closed System Purge and Trap	SW846	XM
8015NM Prep	Microextraction	SW846	XM
DI Leach	Deionized Water Leaching Procedure	ASTM	XM

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7 inch 13416

Job ID: 880-1240-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-1240-1	NWB	Solid	04/09/21 00:00	04/13/21 13:00	
880-1240-2	EWB	Solid	04/09/21 00:00	04/13/21 13:00	
880-1240-3	SWB	Solid	04/09/21 00:00	04/13/21 13:00	
880-1240-4	WWB	Solid	04/09/21 00:00	04/13/21 13:00	

eurofins | Environment Testing Xenco

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880-1240 Chain of Custody

(575) 988-3199

Work Order No: 1240

www.xenco.com Page 1 of 1

Project Manager:	Joel Lowry	Bill to (if different)	
Company Name:	ETech Environmental	Company Name	Targa
Address	3100 Plains Hwy	Address	
City, State ZIP:	Lovington, NM 88260	City State ZIP:	
Phone:	575-396-2378	Email	PM@etechenv.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Bugley 7-inch	Turn Around	
Project Number:	13416	☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date	
Sampler's Name:		TAT starts the day received by the lab, if received by 4.30pm	
PO #			

SAMPLE RECEIPT				
Temp Blank	Yes (No)	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID	IR8	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	+0.5	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	9.6	
Total Containers:		Corrected Temperature:	10.1	

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2SO_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: NaSO$_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: Chlorides	BTEX	TPH	Sample Comments
NWB	S	4/9/21		-	C	1		X	X	X	
EWB	S	4/9/21		-	C	1		X	X	X	
SWB	S	4/9/21		-	C	1		X	X	X	
WWB	S	4/9/21		-	C	1		X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631 / 245 1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins 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 Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time		Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			4-9-21 1707	2	E Carrillo		4/13/21 13:00
3				4			
5				6			

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 880-1240-1
SDG Number: Lea County NM

Login Number: 1240
List Number: 1
Creator: Phillips, Kerianna

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	False	No date or time on COC or sample containers
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-1241-1
Laboratory Sample Delivery Group: Rural Lea County
Client Project/Site: Bagley 7 inch 13416

For:
Etech Environmental & Safety Solutions
PO BOX 62228
Midland, Texas 79711

Attn: PM List

JKramer

Authorized for release by:
4/14/2021 12:50:14 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7 inch 13416

Laboratory Job ID: 880-1241-1
SDG: Rural Lea County

Table of Contents

Definitions/Glossary

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7 inch 13416

Job ID: 880-1241-1
SDG: Rural Lea County

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7 inch 13416

Job ID: 880-1241-1
SDG: Rural Lea County

Job ID: 880-1241-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-1241-1

Receipt
The sample was received on 4/13/2021 1:00 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 10.1°C

GC Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7 inch 13416

Job ID: 880-1241-1
SDG: Rural Lea County

Client Sample ID: FL2 @ 10'
Date Collected: 04/09/21 00:00
Date Received: 04/13/21 13:00

Lab Sample ID: 880-1241-1
Matrix: Solid

Method: 8015B MOD NM - Total Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1640		49.9		mg/Kg		04/13/21 15:30	04/13/21 21:49	1
Total TPH	3460		49.9		mg/Kg		04/13/21 15:30	04/13/21 21:49	1
Diesel Range Organics (Over C10-C28)	1820		49.9		mg/Kg		04/13/21 15:30	04/13/21 21:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/13/21 15:30	04/13/21 21:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*04/13/21 15:30*	*04/13/21 21:49*	*1*
o-Terphenyl	*100*		*70 - 130*	*04/13/21 15:30*	*04/13/21 21:49*	*1*

Surrogate Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7 inch 13416

Job ID: 880-1241-1
SDG: Rural Lea County

Method: 8015B MOD NM - Total Petroleum Hydrocarbons

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-1241-1	FL2 @ 10'	121	100										
LCS 880-1712/2-A	Lab Control Sample	113	112										
LCSD 880-1712/3-A	Lab Control Sample Dup	108	110										
MB 880-1712/1-A	Method Blank	104	115										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7 inch 13416

Job ID: 880-1241-1
SDG: Rural Lea County

Method: 8015B MOD NM - Total Petroleum Hydrocarbons

Lab Sample ID: MB 880-1712/1-A
Matrix: Solid
Analysis Batch: 1730

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1712

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/13/21 11:19	04/13/21 14:25	1
Total TPH	<50.0	U	50.0		mg/Kg		04/13/21 11:19	04/13/21 14:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/13/21 11:19	04/13/21 14:25	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/13/21 11:19	04/13/21 14:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*04/13/21 11:19*	*04/13/21 14:25*	*1*
o-Terphenyl	*115*		*70 - 130*	*04/13/21 11:19*	*04/13/21 14:25*	*1*

Lab Sample ID: LCS 880-1712/2-A
Matrix: Solid
Analysis Batch: 1730

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1712

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1230		mg/Kg		123	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1185		mg/Kg		118	70 - 130		

Surrogate			*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane			*113*		*70 - 130*
o-Terphenyl			*112*		*70 - 130*

Lab Sample ID: LCSD 880-1712/3-A
Matrix: Solid
Analysis Batch: 1730

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1712

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1271		mg/Kg		127	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	1187		mg/Kg		119	70 - 130	0	20

Surrogate			*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane			*108*		*70 - 130*
o-Terphenyl			*110*		*70 - 130*

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7 inch 13416

Job ID: 880-1241-1
SDG: Rural Lea County

GC Semi VOA

Prep Batch: 1712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1241-1	FL2 @ 10'	Total/NA	Solid	8015NM Prep	
MB 880-1712/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1712/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1712/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 1730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1241-1	FL2 @ 10'	Total/NA	Solid	8015B MOD NM	1712
MB 880-1712/1-A	Method Blank	Total/NA	Solid	8015B MOD NM	1712
LCS 880-1712/2-A	Lab Control Sample	Total/NA	Solid	8015B MOD NM	1712
LCSD 880-1712/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B MOD NM	1712

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Job ID: 880-1241-1
Project/Site: Bagley 7 inch 13416
SDG: Rural Lea County

Client Sample ID: FL2 @ 10'
Lab Sample ID: 880-1241-1

Date Collected: 04/09/21 00:00
Matrix: Solid

Date Received: 04/13/21 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			1712	04/13/21 15:30	DM	XM
Total/NA	Analysis	8015B MOD NM		1	1730	04/13/21 21:49	AJ	XM

Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7 inch 13416

Job ID: 880-1241-1
SDG: Rural Lea County

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B MOD NM	8015NM Prep	Solid	Total TPH

Method Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7 inch 13416

Job ID: 880-1241-1
SDG: Rural Lea County

Method	Method Description	Protocol	Laboratory
8015B MOD NM	Total Petroleum Hydrocarbons	SW846	XM
8015NM Prep	Microextraction	SW846	XM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7 inch 13416

Job ID: 880-1241-1
SDG: Rural Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-1241-1	FL2 @ 10'	Solid	04/09/21 00:00	04/13/21 13:00	

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880-1241 Chain of Custody

Work Order No: 1241

(575) 392-7550, Carlsbad, NM (575) 988-3199

www.xenco.com Page 1 of 1

Project Manager:	Joel Lowry	Bill to. (if different)	
Company Name:	Etech environmental	Company Name	Pargu
Address	3100 Plains Hwy	Address	
City State ZIP	Lovington, NM 88260	City State ZIP	
Phone	575 396 2378	Email	PM@etechenv.com

Work Order Comments

Program. UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Bagley 7-inch	Turn Around	
Project Number:	13446	☐ Routing ☑ Rush	
Project Location	Lea Rural Co County	Due Date	
Sampler's Name:	Miguel Ramirez	TAT starts the day received by the lab, if received by 4.30pm	
PO #			

SAMPLE RECEIPT			
Temp Blank.	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID	IR8
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	+0.5
Sample Custody Seals	Yes No (N/A)	Temperature Reading	9.6
Total Containers.		Corrected Temperature:	10.1

ANALYSIS REQUEST

Parameters: TPH X

Preservative Codes

None: NO DI Water: H_2O

Cool Cool MeOH Me

HCL: HC HNO_3 HN

H_2SO_4 H_2 NaOH Na

H_3PO_4 HP

$NaHSO_4$ NABIS

$Na_2S_2O_3$ $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Sample Comments
FL2@10'	S	4/9/21		10'	C	1		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631 / 245 1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins 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 Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		4-9-21 1207	2 E. Carrillo		4/13/21 1300
3			4		
5			6		

Revised Date: 08/25/2020 Rev 2020.2

Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 880-1241-1
SDG Number: Rural Lea County

Login Number: 1241
List Number: 1
Creator: Phillips, Kerianna

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	False	No date or time on COC or sample containers
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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ANALYTICAL REPORT

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-537-1
Laboratory Sample Delivery Group: Rural Lea County NM
Client Project/Site: Bagley 7-inch - 13416

For:
Etech Environmental & Safety Solutions
PO BOX 62228
Midland, Texas 79711

Attn: PM List

JKramer

Authorized for release by:
4/19/2021 2:28:34 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch - 13416

Laboratory Job ID: 890-537-1
SDG: Rural Lea County NM

Table of Contents

Definitions/Glossary

Client: Etech Environmental & Safety Solutions
Job ID: 890-537-1
Project/Site: Bagley 7-inch - 13416
SDG: Rural Lea County NM

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch - 13416

Job ID: 890-537-1
SDG: Rural Lea County NM

Job ID: 890-537-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-537-1

Comments
No additional comments.

Receipt
The samples were received on 4/15/2021 4:15 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 10.6º C.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch - 13416

Job ID: 890-537-1
SDG: Rural Lea County NM

Client Sample ID: EWC

Lab Sample ID: 890-537-1
Matrix: Solid
Date Collected: 04/15/21 00:00
Date Received: 04/15/21 16:15

Method: 8015B MOD NM - Total Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		04/16/21 16:28	04/18/21 01:56	1
Total TPH	<50.1	U	50.1		mg/Kg		04/16/21 16:28	04/18/21 01:56	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/16/21 16:28	04/18/21 01:56	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/16/21 16:28	04/18/21 01:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*04/16/21 16:28*	*04/18/21 01:56*	*1*
o-Terphenyl	*121*		*70 - 130*	*04/16/21 16:28*	*04/18/21 01:56*	*1*

Client Sample ID: NWC

Lab Sample ID: 890-537-2
Matrix: Solid
Date Collected: 04/15/21 00:00
Date Received: 04/15/21 16:15

Method: 8015B MOD NM - Total Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/16/21 16:28	04/18/21 02:17	1
Total TPH	<49.9	U	49.9		mg/Kg		04/16/21 16:28	04/18/21 02:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/16/21 16:28	04/18/21 02:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/16/21 16:28	04/18/21 02:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*04/16/21 16:28*	*04/18/21 02:17*	*1*
o-Terphenyl	*110*		*70 - 130*	*04/16/21 16:28*	*04/18/21 02:17*	*1*

Client Sample ID: SWC

Lab Sample ID: 890-537-3
Matrix: Solid
Date Collected: 04/15/21 00:00
Date Received: 04/15/21 16:15

Method: 8015B MOD NM - Total Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/16/21 16:28	04/18/21 02:38	1
Total TPH	<49.8	U	49.8		mg/Kg		04/16/21 16:28	04/18/21 02:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/16/21 16:28	04/18/21 02:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/16/21 16:28	04/18/21 02:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*04/16/21 16:28*	*04/18/21 02:38*	*1*
o-Terphenyl	*113*		*70 - 130*	*04/16/21 16:28*	*04/18/21 02:38*	*1*

Surrogate Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch - 13416

Job ID: 890-537-1
SDG: Rural Lea County NM

Method: 8015B MOD NM - Total Petroleum Hydrocarbons

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)										
890-537-1	EWC	110	121										
890-537-2	NWC	103	110										
890-537-3	SWC	101	113										
LCS 880-1906/2-A	Lab Control Sample	126	124										
LCSD 880-1906/3-A	Lab Control Sample Dup	121	120										
MB 880-1906/1-A	Method Blank	121	139 S1+										

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch - 13416

Job ID: 890-537-1
SDG: Rural Lea County NM

Method: 8015B MOD NM - Total Petroleum Hydrocarbons

Lab Sample ID: MB 880-1906/1-A
Matrix: Solid
Analysis Batch: 1921

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1906

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/16/21 16:28	04/17/21 17:47	1
Total TPH	<50.0	U	50.0		mg/Kg		04/16/21 16:28	04/17/21 17:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/16/21 16:28	04/17/21 17:47	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/16/21 16:28	04/17/21 17:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*04/16/21 16:28*	*04/17/21 17:47*	*1*
o-Terphenyl	*139*	*S1+*	*70 - 130*	*04/16/21 16:28*	*04/17/21 17:47*	*1*

Lab Sample ID: LCS 880-1906/2-A
Matrix: Solid
Analysis Batch: 1921

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1906

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1245		mg/Kg		125	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1088		mg/Kg		109	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*126*		*70 - 130*
o-Terphenyl	*124*		*70 - 130*

Lab Sample ID: LCSD 880-1906/3-A
Matrix: Solid
Analysis Batch: 1921

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1906

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1156		mg/Kg		116	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	1048		mg/Kg		105	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*121*		*70 - 130*
o-Terphenyl	*120*		*70 - 130*

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch - 13416

Job ID: 890-537-1
SDG: Rural Lea County NM

GC Semi VOA

Prep Batch: 1906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-537-1	EWC	Total/NA	Solid	8015NM Prep	
890-537-2	NWC	Total/NA	Solid	8015NM Prep	
890-537-3	SWC	Total/NA	Solid	8015NM Prep	
MB 880-1906/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1906/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1906/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 1921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-537-1	EWC	Total/NA	Solid	8015B MOD NM	1906
890-537-2	NWC	Total/NA	Solid	8015B MOD NM	1906
890-537-3	SWC	Total/NA	Solid	8015B MOD NM	1906
MB 880-1906/1-A	Method Blank	Total/NA	Solid	8015B MOD NM	1906
LCS 880-1906/2-A	Lab Control Sample	Total/NA	Solid	8015B MOD NM	1906
LCSD 880-1906/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B MOD NM	1906

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch - 13416

Job ID: 890-537-1
SDG: Rural Lea County NM

Client Sample ID: EWC
Lab Sample ID: 890-537-1
Date Collected: 04/15/21 00:00
Matrix: Solid
Date Received: 04/15/21 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			1906	04/16/21 16:28	DM	XM
Total/NA	Analysis	8015B MOD NM		1	1921	04/18/21 01:56	AJ	XM

Client Sample ID: NWC
Lab Sample ID: 890-537-2
Date Collected: 04/15/21 00:00
Matrix: Solid
Date Received: 04/15/21 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			1906	04/16/21 16:28	DM	XM
Total/NA	Analysis	8015B MOD NM		1	1921	04/18/21 02:17	AJ	XM

Client Sample ID: SWC
Lab Sample ID: 890-537-3
Date Collected: 04/15/21 00:00
Matrix: Solid
Date Received: 04/15/21 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			1906	04/16/21 16:28	DM	XM
Total/NA	Analysis	8015B MOD NM		1	1921	04/18/21 02:38	AJ	XM

Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Etech Environmental & Safety Solutions
Job ID: 890-537-1
Project/Site: Bagley 7-inch - 13416
SDG: Rural Lea County NM

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B MOD NM	8015NM Prep	Solid	Total TPH

Method Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch - 13416

Job ID: 890-537-1
SDG: Rural Lea County NM

Method	Method Description	Protocol	Laboratory
8015B MOD NM	Total Petroleum Hydrocarbons	SW846	XM
8015NM Prep	Microextraction	SW846	XM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch - 13416

Job ID: 890-537-1
SDG: Rural Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
890-537-1	EWC	Solid	04/15/21 00:00	04/15/21 16:15	
890-537-2	NWC	Solid	04/15/21 00:00	04/15/21 16:15	
890-537-3	SWC	Solid	04/15/21 00:00	04/15/21 16:15	

Chain of Custody

XENCO LABORATORIES

Work Order No: _____

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

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	ETech Environmental	Company Name:	Targa
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	PM@etechenv.com

Work Order Comments

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

Project Name:	Bagley 7-inch	Turn Around	
Project Number:	13416	Routine ☐	
Project Location	Roral Lea county, NM	Rush: 24 hr	
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT			
Temperature (°C):	10.5/10.6	Temp Blank:	(Yes) No
Received Intact:	(Yes) No	Wet Ice:	(Yes) No
Cooler Custody Seals:	Yes No (N/A)	Thermometer ID	IR-007
Sample Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2
		Total Containers:	

ANALYSIS REQUEST

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Pres. Code	TPH
	EWC	Soil	4.15.21		-			X
	NWC	Soil	4.15.21		-			↓
	SWC	Soil	4.15.21		-			

890-537 Chain of Custody

Preservative Codes

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

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

Sample Comments

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Clay Cliff 4.15.21 1615		2		
			4		
			6		

Revised Date 022619 Rev 2019.1

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad NM 88220
Phone 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-171 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica kramer@eurofinset com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana, NELAP - Texas		Job #: 890-537-1
Address: 1211 W Florida Ave	Due Date Requested: 4/19/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Bagley 7-inch	Project #: 88000010			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

A HCL, B NaOH, C Zn Acetate, D - Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T - TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Z other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_Prep (MOD) GRO-DRO-MRO	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
EWC (890-537-1)	4/15/21	Mountain		Solid			X	1	
NWC (890-537-2)	4/15/21	Mountain		Solid			X	1	
SWC (890-537-3)	4/15/21	Mountain		Solid			X	1	

Note. Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements.

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Cloe Cuffo 4-16-21				4-16-21 2:40pm	
2						
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 890-537-1
SDG Number: Rural Lea County NM

Login Number: 537
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 890-537-1
SDG Number: Rural Lea County NM

Login Number: 537
List Number: 2
Creator: Copeland, Tatiana

List Source: Eurofins Midland
List Creation: 04/16/21 02:21 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

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ANALYTICAL REPORT

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-536-1
Laboratory Sample Delivery Group: Rural Lea County NM
Client Project/Site: Bagley 7-inch - 13416

For:
Etech Environmental & Safety Solutions
PO BOX 62228
Midland, Texas 79711

Attn: PM List

JKramer

Authorized for release by:
4/19/2021 7:00:17 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch - 13416

Laboratory Job ID: 890-536-1
SDG: Rural Lea County NM

Table of Contents

Definitions/Glossary

Client: Etech Environmental & Safety Solutions
Job ID: 890-536-1
Project/Site: Bagley 7-inch - 13416
SDG: Rural Lea County NM

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch - 13416

Job ID: 890-536-1
SDG: Rural Lea County NM

Job ID: 890-536-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-536-1

Receipt
The sample was received on 4/15/2021 4:22 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 10.6°C

GC Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch - 13416

Job ID: 890-536-1
SDG: Rural Lea County NM

Client Sample ID: FL 2 @ 13'
Date Collected: 04/15/21 00:00
Date Received: 04/15/21 16:22
Sample Depth: - 13

Lab Sample ID: 890-536-1
Matrix: Solid

Method: 8015B MOD NM - Total Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/16/21 16:52	04/19/21 15:50	1
Total TPH	<50.0	U	50.0		mg/Kg		04/16/21 16:52	04/19/21 15:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/16/21 16:52	04/19/21 15:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/16/21 16:52	04/19/21 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*04/16/21 16:52*	*04/19/21 15:50*	*1*
o-Terphenyl	*117*		*70 - 130*	*04/16/21 16:52*	*04/19/21 15:50*	*1*

Surrogate Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch - 13416

Job ID: 890-536-1
SDG: Rural Lea County NM

Method: 8015B MOD NM - Total Petroleum Hydrocarbons

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
890-536-1	FL 2 @ 13'	113	117								
LCS 880-1907/2-A	Lab Control Sample	108	125								
LCSD 880-1907/3-A	Lab Control Sample Dup	119	105								
MB 880-1907/1-A	Method Blank	117	139 S1+								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch - 13416

Job ID: 890-536-1
SDG: Rural Lea County NM

Method: 8015B MOD NM - Total Petroleum Hydrocarbons

Lab Sample ID: MB 880-1907/1-A
Matrix: Solid
Analysis Batch: 1967

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1907

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/16/21 16:52	04/19/21 12:53	1
Total TPH	<50.0	U	50.0		mg/Kg		04/16/21 16:52	04/19/21 12:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/16/21 16:52	04/19/21 12:53	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/16/21 16:52	04/19/21 12:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*04/16/21 16:52*	*04/19/21 12:53*	*1*
o-Terphenyl	*139*	*S1+*	*70 - 130*	*04/16/21 16:52*	*04/19/21 12:53*	*1*

Lab Sample ID: LCS 880-1907/2-A
Matrix: Solid
Analysis Batch: 1967

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1907

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	960.7		mg/Kg		96	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1046		mg/Kg		105	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*108*		*70 - 130*
o-Terphenyl	*125*		*70 - 130*

Lab Sample ID: LCSD 880-1907/3-A
Matrix: Solid
Analysis Batch: 1967

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1907

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1157		mg/Kg		116	70 - 130	19	20
Diesel Range Organics (Over C10-C28)			1000	948.8		mg/Kg		95	70 - 130	10	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*119*		*70 - 130*
o-Terphenyl	*105*		*70 - 130*

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch - 13416

Job ID: 890-536-1
SDG: Rural Lea County NM

GC Semi VOA

Prep Batch: 1907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-536-1	FL 2 @ 13'	Total/NA	Solid	8015NM Prep	
MB 880-1907/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1907/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1907/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 1967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-536-1	FL 2 @ 13'	Total/NA	Solid	8015B MOD NM	1907
MB 880-1907/1-A	Method Blank	Total/NA	Solid	8015B MOD NM	1907
LCS 880-1907/2-A	Lab Control Sample	Total/NA	Solid	8015B MOD NM	1907
LCSD 880-1907/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B MOD NM	1907

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch - 13416

Job ID: 890-536-1
SDG: Rural Lea County NM

Client Sample ID: FL 2 @ 13'
Date Collected: 04/15/21 00:00
Date Received: 04/15/21 16:22

Lab Sample ID: 890-536-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			1907	04/16/21 16:52	DM	XM
Total/NA	Analysis	8015B MOD NM		1	1967	04/19/21 15:50	AJ	XM

Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Etech Environmental & Safety Solutions
Job ID: 890-536-1
Project/Site: Bagley 7-inch - 13416
SDG: Rural Lea County NM

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B MOD NM	8015NM Prep	Solid	Total TPH

Method Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch - 13416

Job ID: 890-536-1
SDG: Rural Lea County NM

Method	Method Description	Protocol	Laboratory
8015B MOD NM	Total Petroleum Hydrocarbons	SW846	XM
8015NM Prep	Microextraction	SW846	XM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Bagley 7-inch - 13416

Job ID: 890-536-1
SDG: Rural Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-536-1	FL 2 @ 13'	Solid	04/15/21 00:00	04/15/21 16:22	- 13

Chain of Custody

XENCO LABORATORIES

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

Work Order No: _____

www.xenco.com Page 1 of 1

4/19/2021

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental	Company Name:	Targa
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	PM@etechenv.com

Work Order Comments

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

Project Name:	Bagley 7-inch	Turn Around	
Project Number:	13416	Routine ☐	
Project Location	Rural Lea County, NM	Rush: 24 hr	
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	10.8/10.6	Thermometer ID	
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes (No) N/A	Total Containers:	

ANALYSIS REQUEST

Preservative Codes

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

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

890-536 Chain of Custody

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Pres. Code	TPH		Sample Comments
	FL2 @ 13'	Soil	4.15.21		13'	1		X		

Page 13 of 17

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		4.15.21 16:13	2		
3			4		
5			6		

Revised Date 022619 Rev 2019 1

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad NM 88220
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer Jessica	Carrier Tracking No(s)	COC No: 890-171 1
Client Contact: Shipping/Receiving	Phone	E-Mail: jessica kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana NELAP - Texas		Job #: 890-536-1
Address: 1211 W Florida Ave	Due Date Requested: 4/19/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Bagley 7-inch	Project #: 88000010			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8016MOD_NM/8015NM_S_Prep (MOD) GRO-DRO-MRO	Total Number of containers	Special Instructions/Note.
			Preservation Code:						
FL 2 @ 13' (890-536-1)	4/15/21	Mountain		Solid			X	1	

Note Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements.

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Cloe Cuffs 4-16-21				4-16-21 2:00pm	
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver 11/01/2020

Bottle Order Information

Bottle Order
Bottle Order #
Request From Client 4/16/2021
Date Order Posted
Order Status In Process
Prepared By
Deliver By Date: ***4/16/2021 11:59:00PM***
Lab Project Number

Order Completion Information

Creator Cloe Clifton
Filled by
Sent Date
Sent Via
Tracking #

Sets	Bottles/Set	Qty	Bottle Type Description	Preservative	Method	Matrix	Sample Type	Comments	Lot #

Notes to Field Staff:

Scan QR code for field sampler instructions

Health and Safety Notes:

Preservative Comment

Relinquished By	Company	Date	Time	Received By	Company	Seal #: Seal #: Seal #:
Relinquished By	Company	Date	Time	Received By	Company	Seal #: Seal #: Seal #:

Please notify your PM immediately if an error is found in shipment. When returning samples, please return all provided QC samples.

Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 890-536-1
SDG Number: Rural Lea County NM

Login Number: 536
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 890-536-1
SDG Number: Rural Lea County NM

Login Number: 536
List Number: 2
Creator: Copeland, Tatiana

List Source: Eurofins Midland
List Creation: 04/16/21 02:21 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Appendix D
Photographic Log

Photographic Log

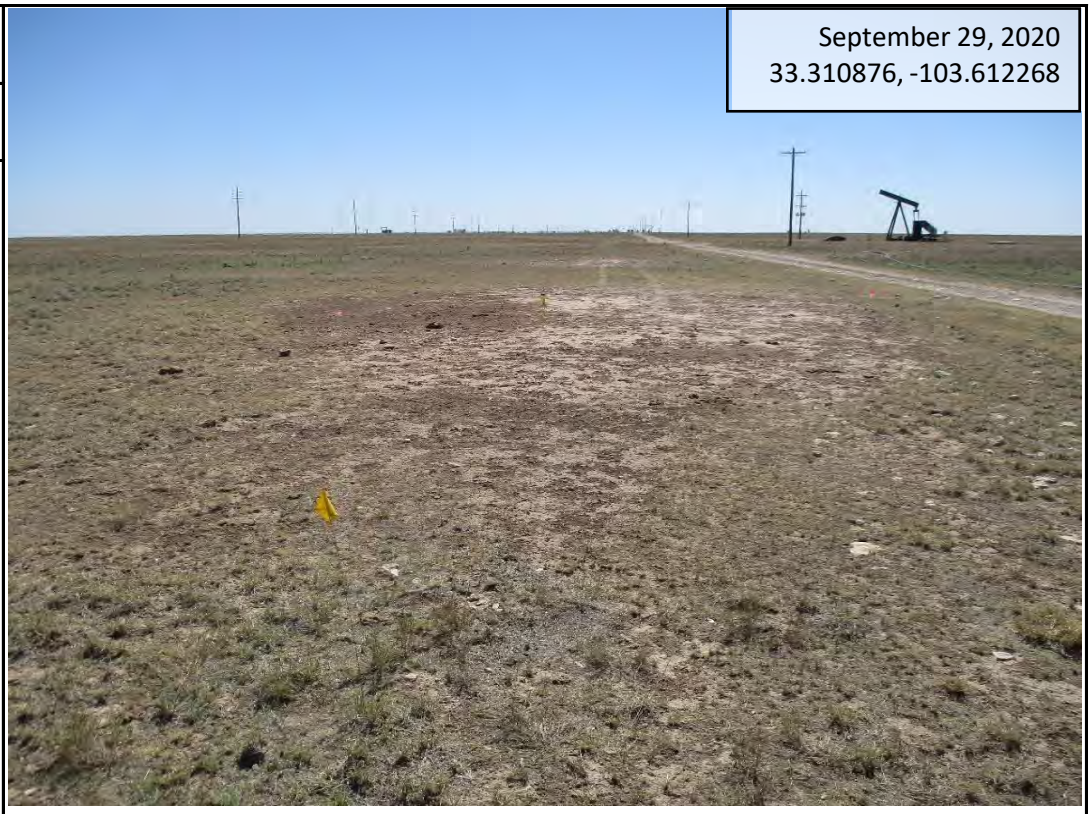
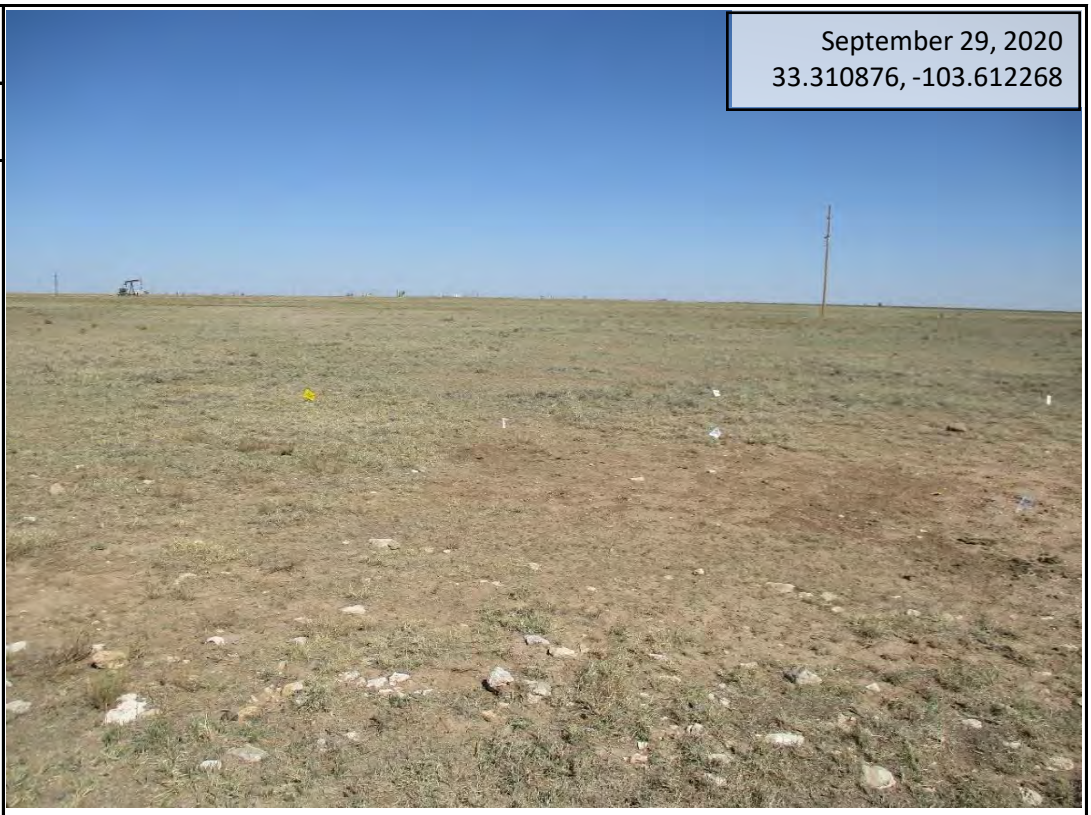
Photo Number: 1	
Photo Direction: South	
Photo Description: View of Impacted Area	

Photo Number: 2	
Photo Direction: Southwest	
Photo Description: View of Impacted Area	

Photographic Log

Photo Number: 3	
Photo Direction: Northwest	
Photo Description: View of Impacted Area	

Photo Number: 4	
Photo Direction: East	
Photo Description: View of Impacted Area	

Photographic Log

Photo Number: 5	
Photo Direction: North	
Photo Description: View of Excavated Area	

Photo Number: 6	
Photo Direction: South	
Photo Description: View of Excavated Area	

Photographic Log

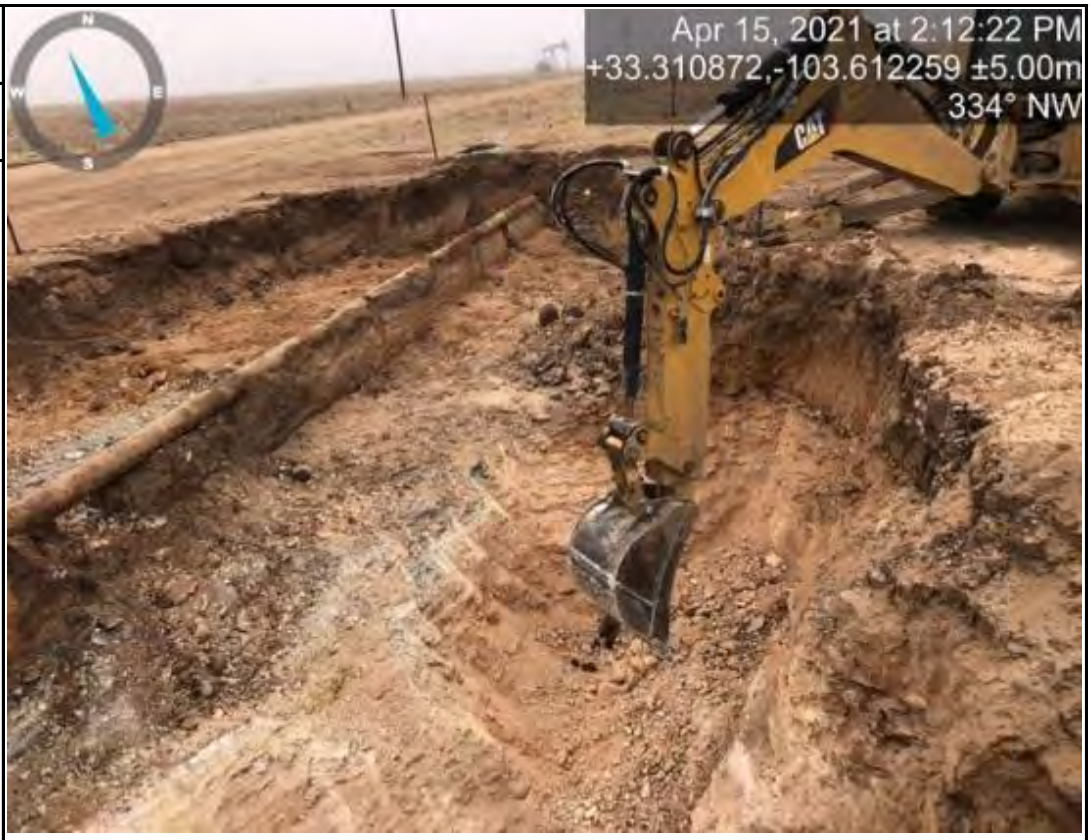
Photo Number: 7	
Photo Direction: Northwest	
Photo Description: View of Excavated Area	

Photo Number: 8	
Photo Direction: Northeast	
Photo Description: View of Remediated Area After Backfilling & Regrading	

Photographic Log

Photo Number: 9 **Photo Direction:** East **Photo Description:** View of Remediated Area After Backfilling & Regrading	

Photo Number: 10 **Photo Direction:** South-Southwest **Photo Description:** View of Remediated Area After Backfilling & Regrading	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 26835

CONDITIONS

Operator: TARGA MIDSTREAM SERVICES LLC 1000 Louisiana Houston, TX 77002	OGRID: 24650
	Action Number: 26835
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
ceads	None	6/16/2021