

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	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	EnLink Midstream Operating, LP	OGRID	320009
Contact Name	Mike Luckett	Contact Telephone	225-892-2487
Contact email	Mike.Luckett@enlink.com	Incident # (assigned by OCD)	NRM2000659184
Contact mailing address	303 W Wall Street Suite 202, Midland TX, 79701		

Location of Release Source

Latitude 32.251927 Longitude -103.962253
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Falcon CDP	Site Type	Crude Station
Date Release Discovered	11/2/19	API# (if applicable)	

Unit Letter	Section	Township	Range	County
D	2	24S	29E	Eddy

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) 1501	Volume Recovered (bbls) 100
☐ 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)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

A pig signal was improperly installed by a third party contractor on the Falcon pipeline. The pig signal failed and created an opening in the line.

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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? Under the mentioned rule, this spill qualifies as major because it was greater than 25 bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, by Trevor Baird, Lead Environmental Engineer to Jim Griswold and Mike Bratcher via email at or around 1:30 PM on 11/2/19.	

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 <u>not</u> been undertaken, explain why: EnLink has removed all free liquid on the leased land. However, EnLink is working with the State Land Office to gain right of way access to finish the cleanup efforts.	
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: <u>Mike Luckett</u>	Title: <u>Lead Environmental Engineer</u>
Signature: <u></u>	Date: <u>04/15/2021</u>
email: <u>Mike. Luckett@enlink.com</u>	Telephone: <u>225-892-2487</u>
<u>OCD Only</u> Received by: _____ Date: _____	

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Site Assessment/Characterization

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

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

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

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

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

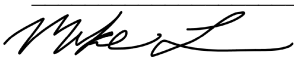
If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods,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

State of New Mexico
Oil Conservation Division

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Printed Name: Mike Luckett Title: Lead Environmental Engineer
Signature:  Date: 4/15/2021
email: Mike.Luckett@enlink.com Telephone: 225-892-2487

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Mike Luckett Title: Lead Environmental Engineer
Signature:  Date: 4/15/2021
email: Mike.Luckett@enlink.com Telephone: 225-892-2487

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Incident ID	
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: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

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: _____

Incident ID	NRM2000659184
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Application ID	

Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

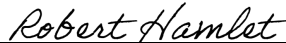
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Printed Name: Mike Luckett Title: Lead Environmental Engineer
Signature:  Date: 4/15/2021
email: Mike.Luckett@enlink.com Telephone: 225-892-2487

OCD Only

Received by: Robert Hamlet Date: 6/18/2021

☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature:  Date: 6/18/2021

SITE INFORMATION

Report Type: Work Plan NRM2000659184

General Site Information:

Site:	Falcon CDP Release					
Company:	EnLink Midstream					
Section, Township and Range	Unit D	Sec. 02	T 24S	R 29E		
Lease Number:						
County:	Eddy County					
GPS:	32.251927			-103.962253		
Surface Owner:	State					
Mineral Owner:						
Directions:	From intersection 742 and Dog Town Rd, Turn right on to Dog Town Rd and follow for 1.27 miles. Turn left onto lease road, follow for 2.07 miles. Turn left onto lease road, follow for 2.39 miles. Turn left onto lease road, follow for 0.36 miles. Location on the left.					

Release Data:

Date Released:	11/2/2019
Type Release:	Crude Oil
Source of Contamination:	Failed Pig Signal
Fluid Released:	1501 bbl
Fluids Recovered:	100 bbl

Official Communication:

Name:	Mike Luckett		Clair Gonzales
Company:	EnLink Midstream		Tetra Tech
Address:	303 W Wall Street		901 W. Wall St.
	Suite 202		Ste 100
City:	Midland, Texas, 79701		Midland, Texas, 79701
Phone number:	(432) 221-9707		(432) 682-4559
Fax:			
Email:	Mike.Luckett@enlink.com		clair.gonzales@tetrattech.com

Site Characterization

Depth to Groundwater:	Greater than 56.5' below surface
Karst Potential:	Medium

Recommended Remedial Action Levels (RRALs)

Benzene	Total BTEX	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	Chlorides
10 mg/kg	50 mg/kg	1,000 mg/kg	2,500 mg/kg	10,000 mg/kg



March 2, 2021

Mr. Mike Bratcher
Environmental Engineer Specialist
Oil Conservation Division, District 1
811 South First Street
Artesia, New Mexico 88210

**Re: Work Plan for the EnLink Midstream, Falcon CDP Release, Unit D, Section 2, Township 24 South, Range 29 East, Eddy County, New Mexico.
NRM2000659184**

Mr. Mike Bratcher:

Tetra Tech, Inc. (Tetra Tech) was contacted by EnLink Midstream (EnLink) to assess a release that occurred at the Falcon CDP Release Site, Unit D, Section 2, Township 24 South, Range 29 East, Eddy County, New Mexico (Site). The spill site coordinates are 32.251927°, -103.962253°. The site location is shown on Figures 1 and 2.

Background

According to the State of New Mexico C-141 Initial Report, the release was discovered on November 2, 2019, and released approximately 1,501 barrels of oil due to a failed pig signal that created an opening in a line. Approximately 100 barrels of oil were recovered. The release occurred on the facility pad and migrated into the adjacent pasture; the release impacted an area measuring approximately 480' X 1,051'. The C-141 Form is included in Appendix B.

Site Characterization

A site characterization was performed for the site and no lakebeds, sinkholes, playa lakes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, springs, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the specified distances. Additionally, the site is located in a medium karst potential area.

The nearest well is listed on the USGS groundwater database, in Township 23 South, Range 29 East, Section 24, with a reported depth to groundwater of 50.26' below surface. The site characterization information can be found in Appendix C.

Tetra Tech

901 West Wall St, Suite 100, Midland, TX 79701

Tel 432.682.4559 Fax 432.682.3946 www.tetrattech.com



Depth to Water Determination

On June 1, 2020, Atkins Engineering, was onsite to drill a groundwater determination borehole to 56.5' below ground surface and within a ½ mile radius of the location. The borehole was left open for 120 hours and was checked for the presence of groundwater. No groundwater was detected at 56.5' below surface. The borehole coordinates are 32.2534620, -103.959474. The driller log is shown in Appendix C.

Regulatory

A risk-based evaluation was performed for the Site in accordance with the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills and Releases, updated August 14, 2018. The guidelines require a risk-based evaluation of the site to determine recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. The proposed RRAL for benzene was determined to be 10 parts per million (ppm) or milligrams per kilogram (mg/kg) and 50 ppm for total BTEX (sum of benzene, toluene, ethylbenzene, and xylene). Beyond the top 4.0' of soil, based upon the site characterization, and NMOCD approval, the proposed RRAL for TPH is 1,000 mg/kg (GRO + DRO) and 2,500 mg/kg (GRO + DRO + MRO). Additionally, based on the site characterization, the proposed RRAL for chlorides is 10,000 mg/kg.

The RRALs for this site were approved by the NMOCD, on the basis of the installed groundwater determination bore. The approval is shown in emails found in Appendix C. Additionally, referring to previous data collected at the site by GHD, it is apparent chlorides are not a concern with this release, in turn chlorides were not evaluated during the delineation activities conducted by Tetra Tech.

Previous Soil Assessment and Analytical Results

Initial Assessment by GHD

GHD personnel were onsite to evaluate and sample the release area, to conduct several sampling events from November 4, 2019 through February 27, 2020. A total of 76 soil samples were collected during this time frame, from the EnLink Property/Lease Area and the flow path in the pasture area on State Lands. From the release footprint of the EnLink Property/Lease Area, GHD installed 2 test pits (Test Pit 1 and Test Pit 2), collected 10 surface samples (SS-1-4" through SS-10-4"), installed 3 auger holes (HA-1-3', HA-2-5', and HA-3-3'), and collected 12 soil samples (ES-1 @ 1' through ES-10 @ 1', ES-7A @ 3', and ES-11 @ 3.5'). From the release footprint of the State Land Area, GHD collected 32 soil samples (SL-1 through SL-18, SL-1A through SL-8A, and SL-10A through SL-15A). Additionally, a total of 15 horizontal delineation samples (HD-1 through HD-15) were collected throughout the outer areas of the entire spill footprint to ensure delineation. Selected samples were submitted to the laboratory for TPH analysis by EPA method 8015 modified and BTEX by EPA Method 8021B. The results of the sampling are summarized in Table 1, Figures showing the locations of these samples are shown in Appendix A. Additionally, the laboratory reports for these sampling events are shown in Appendix A.



Referring to Table 1, samples collected from the EnLink Property/Lease area (SS-3-4", SS-4-4", SS-5-4", SS-9-4", HA-1-3', and ES-7 @ 1') reported total TPH concentrations above RRLs, concentrations ranging from 129 mg/kg to 3,100 mg/kg. Samples collected from the State Land area (SL-1@1', SL-2@2', SL-3@2', SL-4@2.5, SL-4A@4.5, SL-5@2', SL-6@2', SL-7@1.5', SL-8@1.5', SL-10@1.5', SL-11@1.5', SL-12@1.5, SL-13@1.5, SL-14@1.5, SL-15@1.5) reported total TPH concentrations above RRLs, concentrations ranging from 829 mg/kg to 21,500 mg/kg. Additionally, samples collected from the State Land area (SL-2@2', SL-4@2.5', SL-5@2', SL-6@2', SL-7@1.5', SL-8@1.5', SL-10@1.5', SL-11@1.5', SL-14@1.5') reported BTEX concentrations above RRLs, concentrations ranging from 57.2 mg/kg to 97.5 mg/kg. Additionally, Horizontal Samples (HD-2 and HD-8) reported total TPH concentrations above RRLs, concentrations at 109 mg/kg and 114 mg/kg, respectively.

Soil Assessment and Analytical Results

Based on the previous laboratory data, Tetra Tech personnel returned to the site on December 15, 2020 through December 24, 2020, to install 32 trenches (Trench 1 through Trench 32), at depths ranging from surface to 10' below surface to assess and vertically define the hydrocarbon impact of the release. Additionally, 22 horizontal samples (H-1 through H-22) were collected to ensure horizontal delineation of the release. Select samples, as determined by the previous sampling data, were submitted to the laboratory for TPH analysis by EPA method 8015 modified and BTEX by EPA Method 8021B. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix D. The results of the sampling are summarized in Table 2. The sample locations are shown on Figure 3.

Referring to Table 2, the trenches (Trench 7 through Trench 24, and Trench 30 through Trench 31) showed elevated TPH concentrations above RRLs, concentrations ranged from 109 mg/kg to 16,800 mg/kg, ranging from depths of surface to 6.0' below surface. Additionally, a BTEX concentration above RRLs was detected in trench (Trench 22) at 56.6 mg/kg, at a depth of 5.0' below surface, this concentration declined below RRLs with increasing depth at 6.0' below surface. No other BTEX concentrations above RRLs were reported in any of the other trenches. Vertical delineation was found in all trenches with the exception of trenches (Trench 16, Trench 18, and Trench 31), due to PID readings showing low values, which were confirmed by the laboratory data to be inaccurate, these areas will be vertically defined during remediation activities to ensure proper removal of impacted soils. Additionally, none of the horizontal samples submitted reported TPH concentrations above RRLs.

Work Plan

Based on the laboratory results, EnLink proposes to excavate the areas as shown on Figure 4 and highlighted (green) on Table 2, an approximate surface area of 33,000 square feet. The areas of trenches (Trench 7, Trench 9, Trench 11, Trench 15 through Trench 18, and Trench 23) will be excavated to 3.0' below surface, the areas of trenches (Trench 8, Trench 12, Trench 14, Trench 21, and Trench 24) will be excavated to 4.0' below surface, the areas of trench (Trench 10) will be excavated to 1.0' below surface, the area of trenches (Trench 13 and Trench 22) will be excavated to 6.0' below surface, the areas of trenches (Trench 19 and Trench 20) will be excavated to 5.0' below surface, and the area of trench (Trench 30) will be excavated to 1.5' below surface.

The proposed excavation depths may not be reached due to wall cave ins and safety concerns for onsite personnel. In addition, impacted soil around oil and gas equipment, structures or lines may not be feasible or practicable to be removed due to safety concerns for onsite personnel. As such, EnLink will excavate the impacted soils to the maximum extent practicable.



Once the excavation is completed, composite sidewall and bottom hole samples will be collected every 1000 square feet to ensure proper removal of impacted soil, as approved by the NMOCD, and the areas will be backfilled with clean material to surface grade. EnLink estimates approximately 5,520 cubic yards will be excavated and disposed of properly, and the remediation to be implemented 90 days after the work plan is approved.

Conclusion

Once the remediation activities have been completed, a final report will be submitted. If you have any questions or comments concerning the assessment or remediation activities for this site, please call at (432) 682-4559.

Respectfully submitted,
TETRA TECH

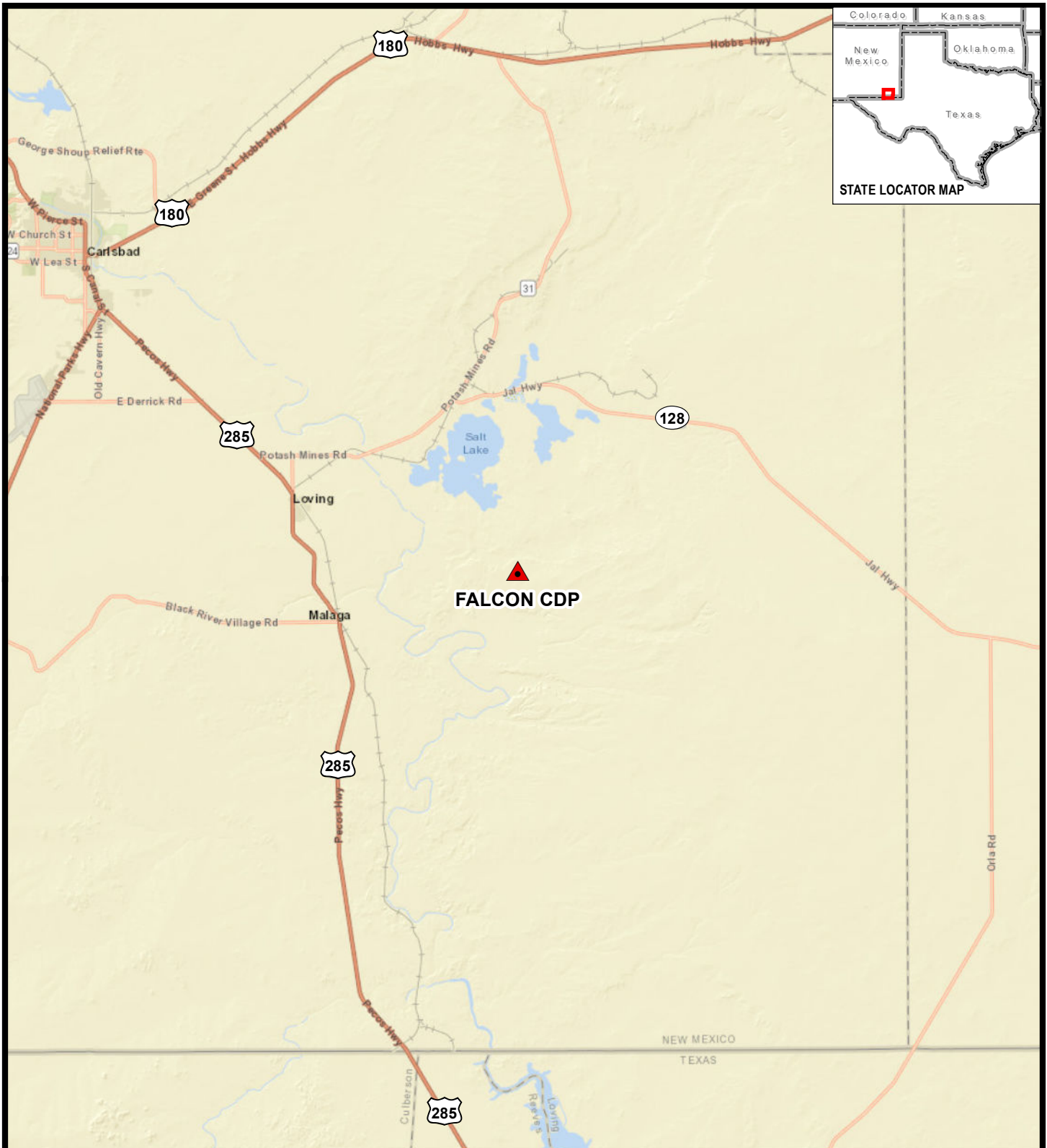
A handwritten signature in blue ink, appearing to read 'Brittany Long'.

Brittany Long,
Project Manager

A handwritten signature in blue ink, appearing to read 'Clair Gonzales'.

Clair Gonzales, P.G.
Senior Project Manager

Figures



 SITE LOCATION



0 2.5 5
Miles
Approximate Scale in Miles

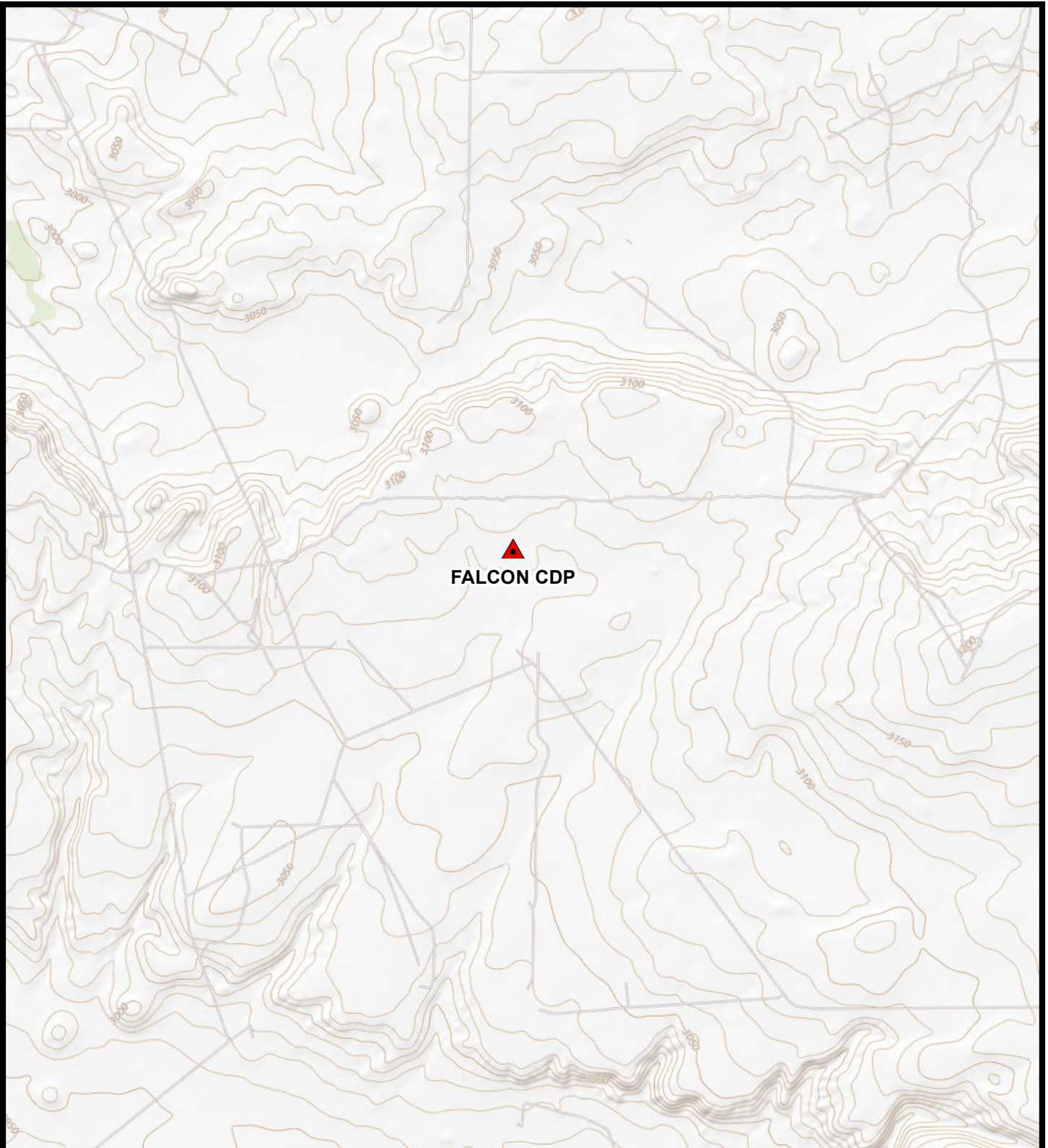
OVERVIEW MAP
FALCON CDP
Property Located at coordinates 32.251927°, -103.962253°
EDDY COUNTY, NEW MEXICO



Project #:
212C-MD-02376

FIGURE
1

Source: ESRI Basemap - Streets, 2021.



 SITE LOCATION



0 1,000 2,000 Feet
Approximate Scale in Feet

**TOPOGRAPHIC MAP
FALCON CDP**

Property Located at coordinates 32.251927°, -103.962253°
EDDY COUNTY, NEW MEXICO

ENLINK 
MIDSTREAM

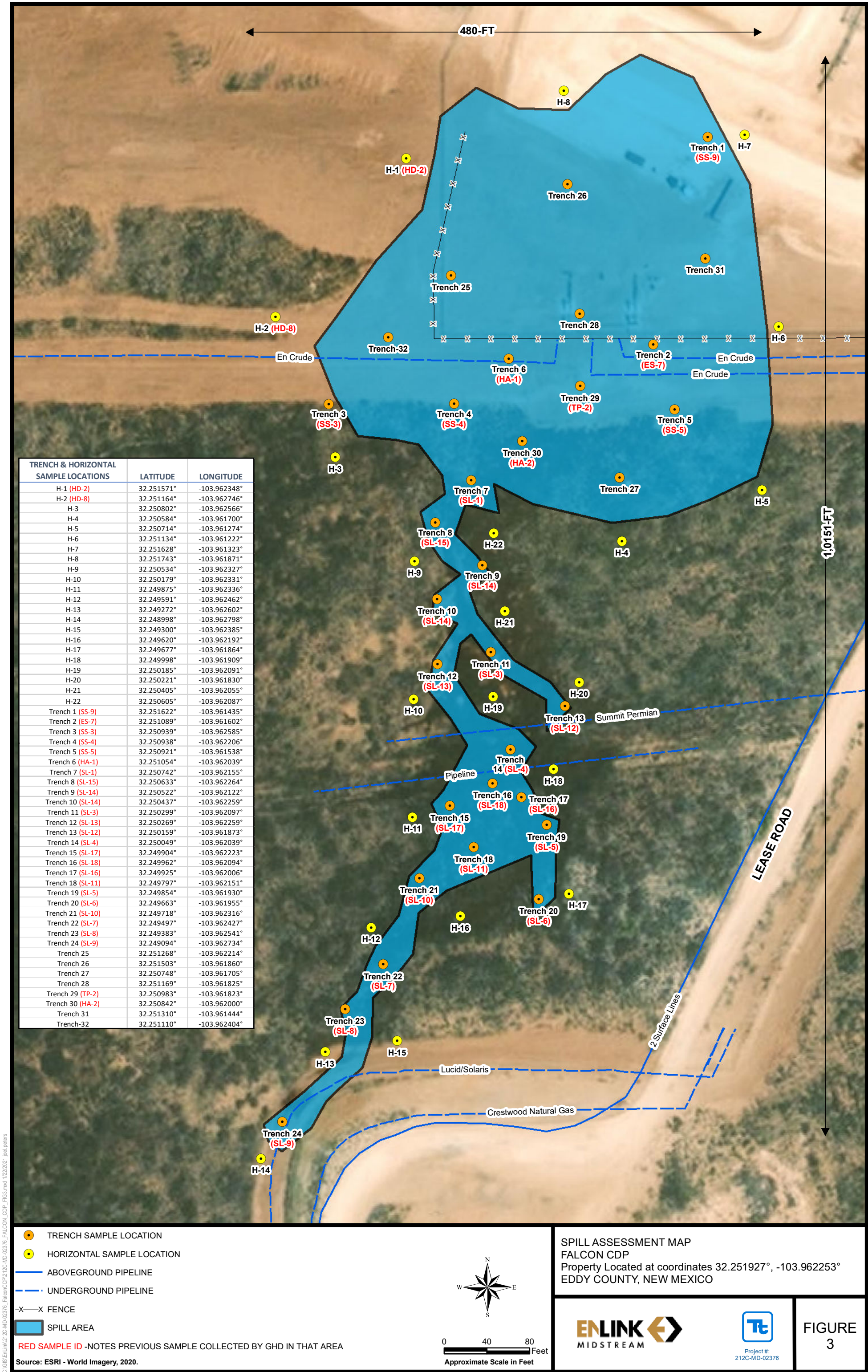


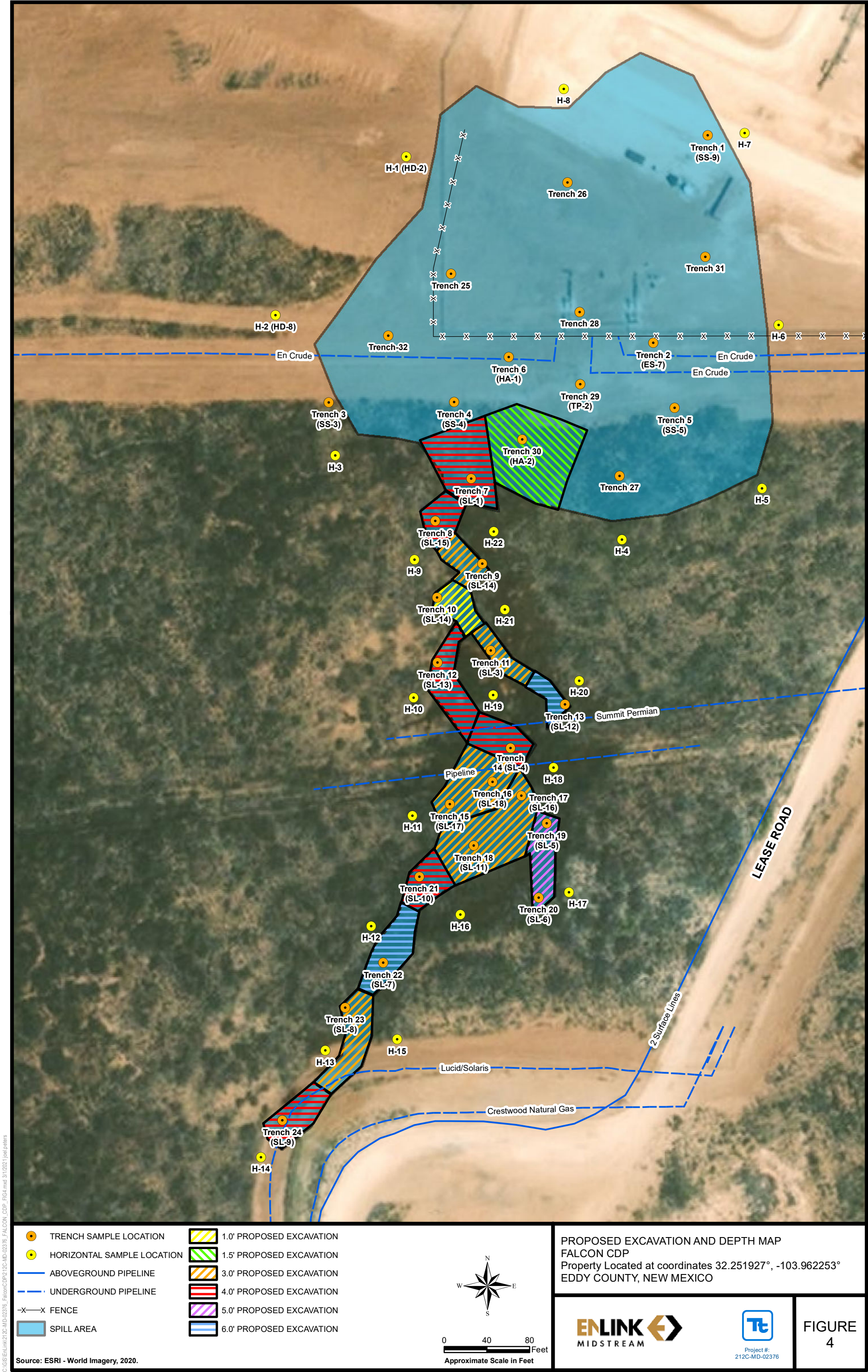
Project #:
212C-MD-02376

**FIGURE
2**

Source: USGS, The National Map, Topo Base, 2021.

C:\GIS\Enlink\212C-MD-02376_FalconCDP\212C-MD-02376_FALCON_CDP_FIG2.mxd 12/1/2021 jpd celsters





Tables

Table 1
Soil Analytical Data Summary - Sampling Results
Falcon CDP Release Site
EnLink Midstream
Eddy County, New Mexico

Sample ID	Sample Date	Depth (inches or feet bgs)	TPH								
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO(C6-C10)	DRO(C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO
			(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
			Table I Closure Criteria for Soils >50 feet to 100 feet Depth to Groundwater 19.15.29 NMAC								
			10 mg/Kg	---	---	---	50 mg/Kg	---	---	---	2,500 mg/Kg
RELEASE ASSESSMENT ANALYTICAL RESULTS - ENLINK PROPERTY/LEASE											
TP-1-5'	11/4/19	5'	<0.000504	0.000806 J	0.00244	0.00312	0.0021	18.2 J	41.3 J	29.1 J	88.6
TP-1-7'	11/4/19	7'	<0.000502	<0.000502	<0.000502	<0.000502	<0.000502	18.0 J	38.0 J	31.3 J	87.3
TP-2-5'	11/4/19	5'	<0.000497	<0.000497	<0.000497	<0.000497	<0.000497	18.2 J	37.6 J	29.7 J	85.5
TP-2-10'	11/4/19	10'	<0.000499	0.00119	0.00302	0.0192	0.0235	17.2 J	339	28.0 J	384
SS-1-4"	11/5/19	4"	<0.000498	<0.000498	0.00966 J	0.00968	0.0106	15.9 J	18.1 J	21.8 J	55.8
SS-2-4"	11/5/19	4"	<0.000502	0.000673 J	0.00369	0.00427	0.00863	<13.8	<11.4	19.7 J	19.7 J
SS-3-4"	11/5/19	4"	<0.000505	0.000707 J	0.0033	0.00373	0.00774	16.7 J	215	21.9 J	254
SS-4-4"	11/5/19	4"	<0.0100	0.154	0.057200	0.0704	0.282	22.5 J	2,840	235	3,100
SS-5-4"	11/5/19	4"	<0.0104	0.219	0.021900	0.628	0.869	36.5 J	1,110	92.5	1,240
SS-6-4"	11/5/19	4"	<0.000499	<0.000499	<0.000499	0.0159	0.0159	19.0 J	38.2 J	19.2 J	76.4
SS-7-4"	11/5/19	4"	<0.000498	<0.000498	<0.000498	<0.000498	<0.000498	15.4 J	15.1 J	35.6 J	66.1
SS-8-4"	11/5/19	4"	<0.000501	<0.000501	0.000631 J	<0.000501	0.000631 J	16.0 J	18.1 J	41.6 J	75.7
SS-9-4"	11/5/19	4"	<0.000499	<0.000499	0.000539 J	<0.000499	0.000539 J	15.0 J	208	26.4	249
SS-10-4"	11/5/19	4"	<0.000503	0.002100	<0.000503	<0.000503	0.002100	15.8 J	49.0 J	32.3	97.1
HA-1-3'	11/5/19	3'	<0.000503	<0.000503	0.052	0.0448	0.0968	14.2 J	88.4	26.2 J	129
HA-2-5'	11/5/19	5'	<0.000498	0.0195	0.0114	0.0393	0.0527	20.1 J	318	22.7 J	361
HA-3-3'	11/5/19	3'	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	15.0 J	12.0 J	27.1 J	54.1
ES-1 @ 1'	2/11/20	1'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0
ES-2 @ 1'	2/11/20	1'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0
ES-3 @ 1'	2/11/20	1'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9
ES-4 @ 1'	2/11/20	1'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8
ES-5 @ 1'	2/11/20	1'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0
ES-6 @ 1'	2/11/20	1'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9
ES-7 @ 1'	2/11/20	1'	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<49.8	848	120	968
ES-7A @ 3'	2/27/20	3'	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<49.9	<49.9	<49.9	<49.9
ES-8 @ 1'	2/11/20	1'	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0
ES-9 @ 1'	2/11/20	1'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9
ES-10 @ 1'	2/11/20	1'	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9
ES-11 @ 3.5'	2/27/20	3.5	<0.000992	<0.000992	<0.000992	<0.000992	<0.000992	<49.8	<49.8	<49.8	<49.8
STATE LAND - FLOWPATH SAMPLES											
SL-1@1'	1/9/20	1'	<0.00201	0.00422	0.00479	0.123	0.132	160	615	54.4	829
SL-1A@5'	2/27/20	5'	<0.00100	<0.00100	<0.00100	0.00721	0.00721	<49.9	425	<49.9	425

Table 1
Soil Analytical Data Summary - Sampling Results
Falcon CDP Release Site
EnLink Midstream
Eddy County, New Mexico

Sample ID	Sample Date	Depth (inches or feet bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH			
			(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	GRO(C6-C10)	DRO(C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO
			Table I Closure Criteria for Soils >50 feet to 100 feet Depth to Groundwater 19.15.29 NMAC								
			10 mg/Kg	---	---	---	50 mg/Kg	---	---	---	2,500 mg/Kg
SL-2@2'	1/9/20	2'	1.01	27.2	5.74	75.2	109	4,270	6,720	549	11,500
SL-2A@5'	2/27/20	5'	<0.00101	<0.00101	<0.00101	<0.00101	<0.00101	<49.9	<49.9	<49.9	<49.9
SL-3@2'	1/9/20	2'	<0.00200	0.0244	0.131	0.426	0.581	281	687	83.6	1,050
SL-3A@4.5'	2/27/20	4.5'	<0.00101	<0.00101	<0.00101	<0.00101	<0.00101	<50.0	<50.0	<50.0	<50.0
SL-4@2.5'	1/9/20	2.5'	1.12	18.1	6.19	64.4	89.8	5,310	8,110	846	14,300
SL-4A@4.5'	2/27/20	4.5'	0.165	2.08	0.602	7.44	10.3	4,890	8,480	860	14,200
SL-5@2'	1/9/20	2'	0.437	19.7	6.68	70.7	97.5	6,270	9,740	866	16,900
SL-5A@4.5'	2/27/20	4.5'	<0.000994	0.00358	0.00835	0.0434	0.0553	<50.0	128	53.4	181
SL-6@2'	1/9/20	2'	0.423	17.7	5.02	55.8	78.9	4,210	7,640	886	12,700
SL-6A@4.5'	2/27/20	4.5'	<0.00101	<0.00101	<0.00101	0.00604	0.00604	<49.8	61.1	<49.8	61.1
SL-7@1.5'	1/9/20	1.5'	0.662	18.8	6.44	70.5	96.4	4,830	7,870	731	13,400
SL-7A@5'	2/27/20	5'	<0.000996	<0.000996	<0.000996	0.00478	0.00578	65.0	662	71.5	799
SL-8@1.5'	1/9/20	1.5'	0.394	14.2	6.32	68.7	89.6	5,470	9,520	881	15,900
SL-8A@5'	2/27/20	5'	<0.000990	<0.000990	<0.000990	0.00198	0.00198	<49.9	115	<49.9	115
SL-9@1'	1/9/20	1'	<0.00202	0.00219	<0.00202	0.00972	0.0119	<50.0	<50.0	<50.0	<50.0
SL-10@1.5'	1/9/20	1.5'	0.275	9.59	4.05	46.6	60.5	2,840	5,790	520	9,150
SL-10A@5'	2/27/20	5'	<0.000990	<0.000990	<0.000990	<0.000990	<0.000990	<50.0	<50.0	<50.0	<50.0
SL-11@1.5'	1/9/20	1.5'	<0.198	5.92	3.37	47.9	57.2	4,470	9,700	904	15,100
SL-11A@5'	2/27/20	5'	v	<0.00100	<0.00100	<0.00100	<0.00100	<50.0	94.6	<50.0	94.6
SL-12@1.5'	1/9/20	1.5'	<0.199	5.73	2.87	36.4	45	2,940	5,600	477	9,020
SL-12A@4'	1/9/20	4'	<0.000994	<0.000994	<0.000994	<0.000994	<0.000994	<49.9	<49.9	<49.9	<49.9
SL-13@1.5'	1/9/20	1.5'	<0.00199	0.00613	0.0224	0.478	0.507	167	614	78.4	859
SL-13A@5.5'	2/27/20	5.5'	<0.000990	<0.000990	<0.000990	<0.000990	<0.000990	<50.0	85.9	<50.0	85.9
SL-14@1.5'	1/9/20	1.5'	0.584	19.4	6.61	68.0	94.6	7,430	12,900	1,140	21,500
SL-14A@5'	2/27/20	5'	<0.000994	<0.000994	<0.000994	<0.000994	<0.000994	<50.0	<50.0	<50.0	<50.0
SL-15@1.5'	1/9/20	1.5'	<0.202	1.21	1.34	19.1	21.7	2,510	6,280	581	9,370
SL-15A@4.5'	2/27/20	4.5'	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<49.9	<49.9	<49.9	<49.9
SL-16@7'	2/27/20	7'	<0.00100	<0.00100	<0.00100	0.0697	0.0697	169	701	56.9	927
SL-17@7.5'	2/27/20	7.5'	<0.000994	<0.000994	<0.000994	<0.000994	<0.000994	<50.0	<50.0	<50.0	<50.0
SL-18@8'	2/27/20	8"	<0.00100	<0.00100	<0.00100	0.00110	0.00110	<49.9	<49.9	<49.9	<49.9
HORIZONTAL DELINEATION SAMPLES											
HD-1	2/27/20	0-6"	<0.000996	<0.000996	<0.000996	<0.000996	<0.000996	<49.8	<49.8	<49.8	<49.8
HD-2	2/27/20	0-6"	<0.000990	<0.000990	<0.000990	<0.000990	<0.000990	<49.9	109	<49.9	109

Table 1
Soil Analytical Data Summary - Sampling Results
Falcon CDP Release Site
EnLink Midstream
Eddy County, New Mexico

Page 3 of 3

Sample ID	Sample Date	Depth (inches or feet bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH			
			(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	GRO(C6-C10)	DRO(C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO
			(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
			Table I Closure Criteria for Soils >50 feet to 100 feet Depth to Groundwater 19.15.29 NMAC								
			10 mg/Kg	---	---	---	50 mg/Kg	---	---	---	2,500 mg/Kg
HD-3	2/27/20	0-6"	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<49.8	74.8	<49.8	74.8
HD-4	2/27/20	0-6"	<0.00101	<0.00101	<0.00101	<0.00101	<0.00101	<50.0	82.1	<50.0	82.1
HD-5	2/27/20	0-6"	<0.000998	<0.000998	<0.000998	<0.000998	<0.000998	<50.0	80.1	<50.0	80.1
HD-6	2/27/20	0-6"	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<49.9	96.2	<49.9	96.2
HD-7	2/27/20	0-6"	<0.000994	<0.000994	<0.000994	<0.000994	<0.000994	<50.0	<50.0	<50.0	<50.0
HD-8	2/27/20	0-6"	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<49.8	114	<49.8	114
HD-9	2/27/20	0-6"	<0.000994	<0.000994	<0.000994	<0.000994	<0.000994	<50.0	<50.0	<50.0	<50.0
HD-10	2/27/20	0-6"	<0.000996	<0.000996	<0.000996	<0.000996	<0.000996	<49.9	<49.9	<49.9	<49.9
HD-11	2/27/20	0-6"	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<50.0	<50.0	<50.0	<50.0
HD-12	2/27/20	0-6"	<0.000994	<0.000994	<0.000994	<0.000994	<0.000994	<49.9	<49.9	<49.9	<49.9
HD-13	2/27/20	0-6"	<0.000994	<0.000994	<0.000994	<0.000994	<0.000994	<50.0	<50.0	<50.0	<50.0
HD-14	2/27/20	0-6"	<0.000994	<0.000994	<0.000994	<0.000994	<0.000994	<49.9	<49.9	<49.9	<49.9
HD-15	2/27/20	0-6"	<0.000992	<0.000992	<0.000992	<0.000992	<0.000992	<50.0	<50.0	<50.0	<50.0

1. Values reported in mg/kg
2. < = Value Less than Reporting Limit (RL)
3. Bold Indicates Analyte Detected
4. BTEX analyses by EPA Method SW 8021B.

5. TPH analyses by EPA Method SW 8015 Mod.
6. GRO/DRO/MRO = Gasoline/Diesel/Motor Oil
7. Yellow shaded cells indicate analytical samples that exceed the NMOC 19.15.29.12 Table 1 Closure Criteria for the site.
8. J - the target analytes was positively identified below the quantitation limit and above the detection limit.

- TP - Test Pit sample collected near release source area
SS - Soil Sample collected in shallow spray area.
HA - Hand Auger sample collected off of pad area.

Table 2
EnLink
Falcon Remediation
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total					
Trench 1	12/15/2020	0-1	X		53.9	<50.0	<50.0	53.9	-	-	-	-	-
	"	1	X		58.1	<49.9	<49.9	58.1	-	-	-	-	-
	"	2	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-
	"	3	X		<49.9	<49.9	<49.9	<49.9	-	-	-	-	-
	"	4	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-
Trench 2	12/15/2020	0-1	X		50.7	<49.9	<49.9	50.7	-	-	-	-	-
Trench 3	12/21/2020	0-1	X		<49.8	<49.8	<49.8	<49.8	-	-	-	-	-
	"	1	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-
	"	2	X		55.9	<50.0	<50.0	55.9	-	-	-	-	-
	"	3	X		59.3	<49.9	<49.9	59.3	-	-	-	-	-
	"	4	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-
Trench 4	12/21/2020	0-1	X		<49.9	<49.9	<49.9	<49.9	-	-	-	-	-
	"	1	X		<49.9	<49.9	<49.9	<49.9	-	-	-	-	-
	"	2	X		50.3	<49.8	<49.8	50.3	-	-	-	-	-
	"	3	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-
	"	4	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-
Trench 5	12/21/2020	0-1	X		<49.9	227	52.3	279	-	-	-	-	-
	"	1	X		<49.9	370	101	471	-	-	-	-	-
	"	2	X		58.2	<50.0	<50.0	58.2	-	-	-	-	-
	"	3	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-
	"	4	X		<50.0	50.0	<50.0	50.0	-	-	-	-	-
Trench 6	12/21/2020	0-1	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-
	"	1	X		<49.9	<49.9	<49.9	<49.9	-	-	-	-	-
	"	2	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-
	"	3	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-
	"	4	X		63.9	<50.0	<50.0	63.9	-	-	-	-	-

Table 2
EnLink
Falcon Remediation
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total					
Trench 7	12/21/2020	3	X		65.1	548	71.1	684	-	-	-	-	-
	"	4	X		<49.9	<49.9	<49.9	<49.9	-	-	-	-	-
	"	5	X		<49.9	53.3	<49.9	53.3	-	-	-	-	-
Trench 8	12/21/2020	3	X		274	3540	389	4200	-	-	-	-	-
	"	4	X		<50.0	374	50.6	425	-	-	-	-	-
	"	5	X		<49.9	<49.9	<49.9	<49.9	-	-	-	-	-
Trench 9	12/21/2020	3	X		90.5	571	90.3	752	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
	"	4	X		<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	0.0272	0.0272
	"	5	X		<50.0	88.5	<50.0	88.5	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
Trench 10	12/21/2020	1	X		123	5120	489	5730	<0.00199	<0.00199	<0.00199	0.00246	0.00246
	"	2	X		<50.0	66.2	<50.0	66.2	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
	"	3	X		<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198
Trench 11	12/21/2020	3	X		<49.9	130	<49.9	130	-	-	-	-	-
	"	4	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-
Trench 12	12/21/2020	4	X		<49.9	130	<49.9	130	-	-	-	-	-
	"	5	X		<49.8	<49.8	<49.8	<49.8	-	-	-	-	-
	"	6	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-
Trench 13	12/21/2020	4	X		1820	5320	367	7510	-	-	-	-	-
	"	5	X		973	3540	254	4770	-	-	-	-	-
	"	6	X		288	2020	157	2470	-	-	-	-	-
	"	7	X		<49.9	174	<49.9	174	-	-	-	-	-
	"	8	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-

Table 2
EnLink
Falcon Remediation
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total					
Trench 14	12/21/2020	0-1	X		1400	14300	1070	16800	<0.00199	0.0702	0.0337	0.381	0.485
	"	1	X		618	5000	342	5960	0.00263	0.0464	0.0494	0.857	0.955
	"	2	X		747	4340	313	5400	0.00524	0.0579	0.0574	0.966	1.09
	"	3	X		292	2530	205	3030	<0.00201	0.0246	0.0408	0.543	0.608
	"	4	X		<50.0	50.4	67.3	118	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202
	"	5	X		<50.0	261	<50.0	261	<0.00200	<0.00200	<0.00200	0.00290	0.00290
Trench 15	12/21//2020	3	X		705	3520	250	4480	-	-	-	-	-
	"	4	X		589	3590	251	4430	-	-	-	-	-
	"	5	X		<49.9	120	60.3	180	-	-	-	-	-
Trench 16	12/21/2020	0-1	X		266	7930	640	8840	-	-	-	-	-
	"	1	X		73.5	1990	178	2240	-	-	-	-	-
	"	2	X		167	2220	286	2670	-	-	-	-	-
Trench 17	12/21/2020	0-1	X		177	5510	549	6240	-	-	-	-	-
	"	1	X		256	2880	353	3490	-	-	-	-	-
	"	2	X		300	2410	306	3020	-	-	-	-	-
	"	3	X		185	1530	196	1910	-	-	-	-	-
	"	4	X		53.4	<50.0	<50.0	53.4	-	-	-	-	-
	"	5	X		60.8	<49.9	<49.9	60.8	-	-	-	-	-
	"	6	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-
	"	7	X		51.7	<50.0	<50.0	51.7	-	-	-	-	-
Trench 18	12/21/2020	0-1	X		251	4320	475	5050	<0.00201	<0.00201	0.00505	0.0113	0.0163
	"	1	X		773	6130	480	7380	<0.00200	0.0473	0.0243	0.380	0.452
	"	2	X		558	4970	445	5970	<0.00199	0.0260	0.0151	0.478	0.519
Trench 19	12/22/2020	4	X		760	3400	360	4520	0.00214	0.0517	0.0595	0.299	0.412
	"	5	X		161	1060	118	1340	<0.00199	0.0420	0.0149	0.165	0.222
	"	6	X		50.3	<49.8	<49.8	50.3	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200

Table 2
EnLink
Falcon Remediation
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total					
Trench 20	12/22/2020	4	X		1890	6160	455	8510	0.00544	0.255	0.186	27.6	28.0
	"	5	X		578	2480	266	3320	0.00367	0.0622	0.0652	16.8	16.9
	"	6	X		54.7	<50.0	<50.0	54.7	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
Trench 21	12/22/2020	4	X		294	2460	185	2940	<0.00200	0.00582	0.141	1.10	1.24
	"	5	X		<50.0	92.6	<50.0	92.6	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199
	"	6	X		<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198
Trench 22	12/22/2020	4	X		456	2740	217	3410	0.00294	0.0388	0.0217	0.465	0.528
	"	5	X		1290	4510	332	6130	0.171	5.33	6.20	44.9	56.6
	"	6	X		330	2050	152	2530	0.00301	1.73	2.97	23.5	28.2
	"	7	X		<50.0	358	<50.0	358	<0.00200	<0.00200	0.00532	0.0169	0.0222
Trench 23	12/22/2020	3	X		96.3	1130	85.7	1310	-	-	-	-	-
	"	4	X		<49.9	69.7	<49.9	69.7	-	-	-	-	-
	"	6	X		<50.0	54.8	<50.0	54.8	-	-	-	-	-
Trench 24	12/22/2020	4	X		543	505	124	1170	-	-	-	-	-
	"	5	X		<49.9	151	65.4	216	-	-	-	-	-
	"	6	X		<50.0	176	<50.0	176	-	-	-	-	-
Trench 25	12/15/2020	0-1	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-
Trench 26	12/15/2020	0-1	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-
Trench 27	12/21/2020	0-1	X		<49.8	<49.8	<49.8	<49.8	-	-	-	-	-
Trench 28	12/15/2020	0-1	X		<49.9	<49.9	<49.9	<49.9	-	-	-	-	-

Table 2
EnLink
Falcon Remediation
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total					
Trench 29	12/21/2020	0-1	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-
	"	1	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-
	"	2	X		<49.9	<49.9	<49.9	<49.9	-	-	-	-	-
	"	3	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-
	"	4	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-
	"	5	X		<49.9	<49.9	<49.9	<49.9	-	-	-	-	-
	"	6	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-
	"	7	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-
	"	8	X		<49.8	<49.8	<49.8	<49.8	-	-	-	-	-
	"	9	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-
	"	10	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-
Trench 30	12/21/2020	0-1	X		110	5490	459	6060	-	-	-	-	-
	"	1	X		137	3490	338	3970	-	-	-	-	-
	"	2	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-
	"	3	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-
	"	4	X		<49.9	928	130	1060	-	-	-	-	-
	"	5	X		<49.8	63.5	<49.8	63.5	-	-	-	-	-
Trench 31	12/15/2020	0-1	X		<49.9	109	<49.9	109	-	-	-	-	-
Trench 32	12/21/2020	0-1	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-
Horizontal-1	12/16/2020	0-1	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-
Horizontal-2	12/16/2020	0-1	X		<49.9	<49.9	<49.9	<49.9	-	-	-	-	-
Horizontal-3	12/16/2020	0-1	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-
Horizontal-4	12/16/2020	0-1	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-
Horizontal-5	12/16/2020	0-1	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-
Horizontal-6	12/16/2020	0-1	X		<49.9	<49.9	<49.9	<49.9	-	-	-	-	-

Table 2
EnLink
Falcon Remediation
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total					
Horizontal-7	12/16/2020	0-1	X		<49.8	<49.8	<49.8	<49.8	-	-	-	-	-
Horizontal-8	12/16/2020	0-1	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-
Horizontal-9	12/16/2020	0-1	X		<49.9	<49.9	<49.9	<49.9	-	-	-	-	-
Horizontal-10	12/16/2020	0-1	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-
Horizontal-11	12/16/2020	0-1	X		<49.9	<49.9	<49.9	<49.9	-	-	-	-	-
Horizontal-12	12/16/2020	0-1	X		50.0	<50.0	<50.0	50.0	-	-	-	-	-
Horizontal-13	12/16/2020	0-1	X		<49.8	<49.8	<49.8	<49.8	-	-	-	-	-
Horizontal-14	12/16/2020	0-1	X		61.0	<49.9	<49.9	61.0	-	-	-	-	-
Horizontal-15	12/16/2020	0-1	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-
Horizontal-16	12/16/2020	0-1	X		60.9	<50.0	<50.0	60.9	-	-	-	-	-
Horizontal-17	12/16/2020	0-1	X		<49.9	<49.9	<49.9	<49.9	-	-	-	-	-
Horizontal-18	12/16/2020	0-1	X		<49.9	<49.9	<49.9	<49.9	-	-	-	-	-
Horizontal-19	12/16/2020	0-1	X		<49.9	<49.9	<49.9	<49.9	-	-	-	-	-
Horizontal-20	12/16/2020	0-1	X		68.6	<49.9	<49.9	68.6	-	-	-	-	-
Horizontal-21	12/16/2020	0-1	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-
Horizontal-22	12/16/2020	0-1	X		58.9	<50.0	<50.0	58.9	-	-	-	-	-

(-)

Not Analyzed
Exceeds Thresholds

Photos

EnLink Midstream
Falcon CDP Release
Eddy County, New Mexico



TETRA TECH



View of Release and Pad Area – View Northeast



View of Release and Pasture Area – View North

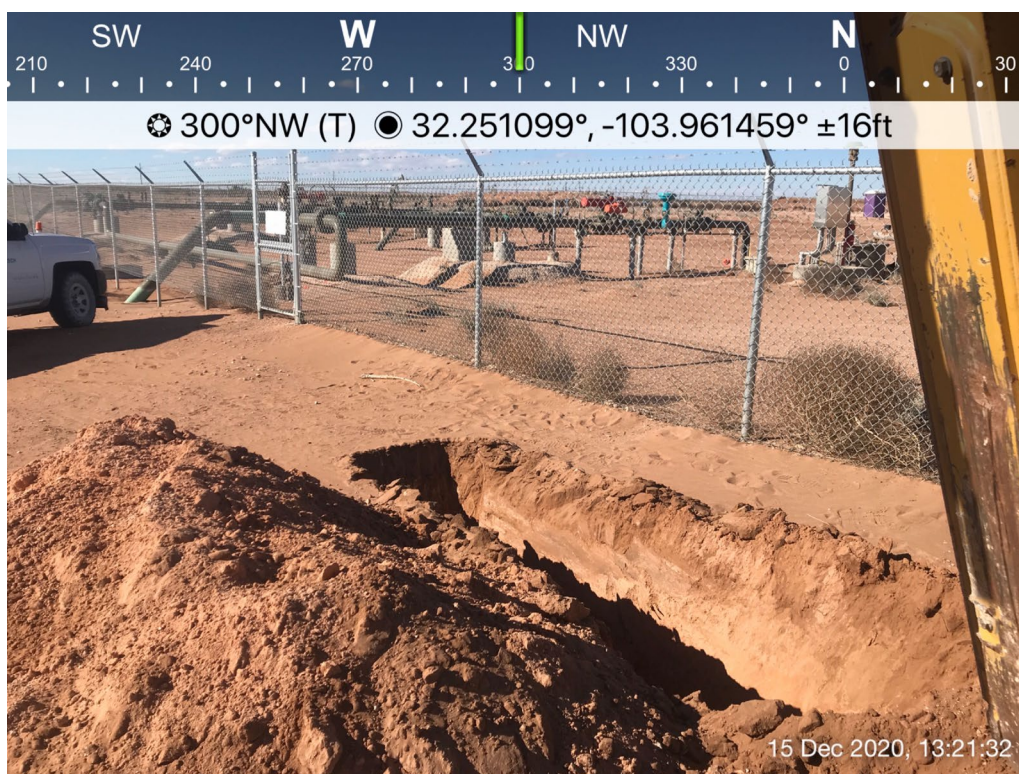
EnLink Midstream
Falcon CDP Release
Eddy County, New Mexico



TETRA TECH

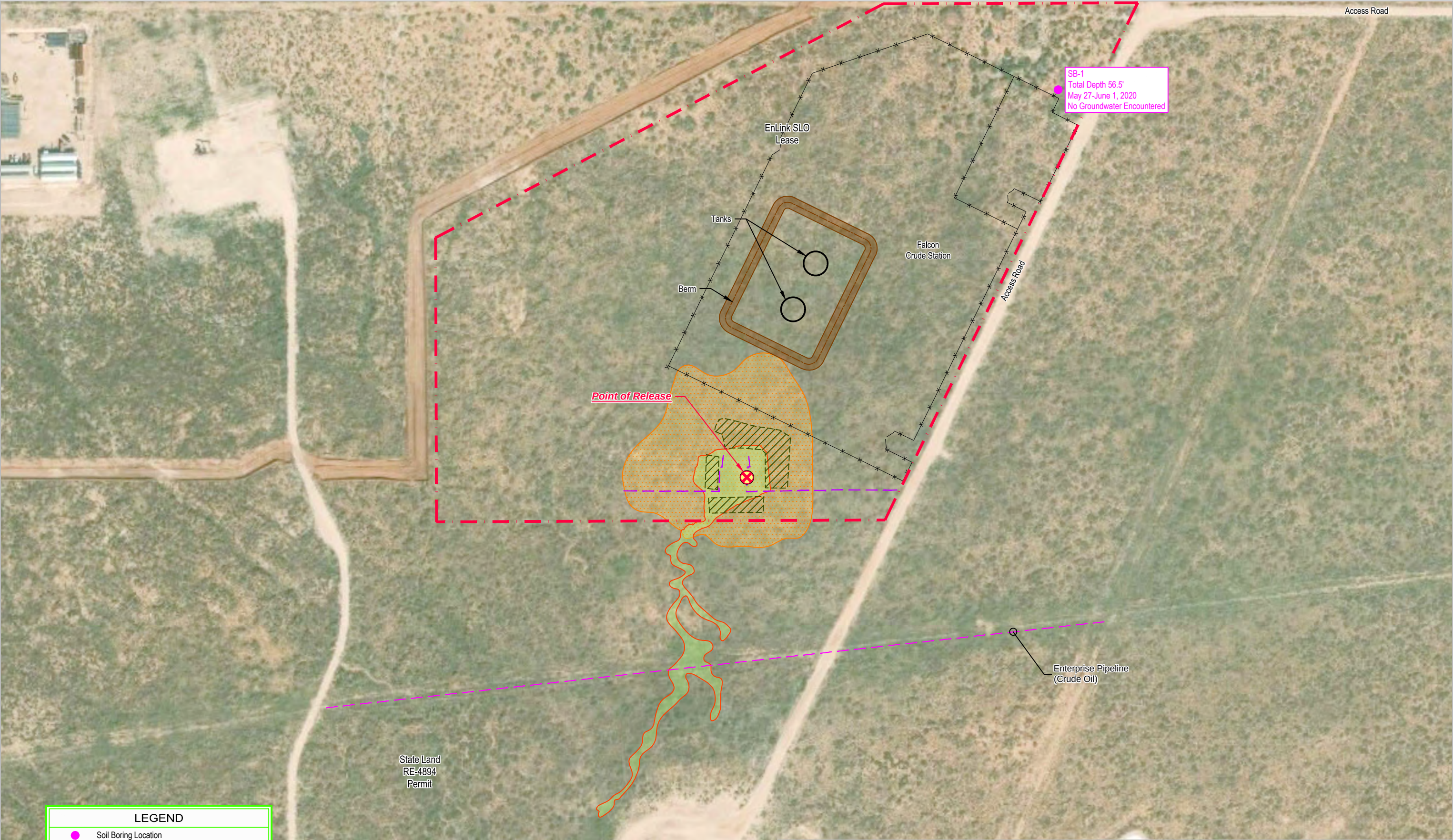


View of Trenching Activities – View Southeast



View of Trenching Activities – View Northwest

Appendix A



LEGEND

Soil Boring Location

Approximate Spill Path Area

Approximate Heavy Spray Area

Approximate Scraped Area

Enlink Crude Pipeline

Fence Line

Approximate EnLink Site Boundary/Lease

0

100

200 ft

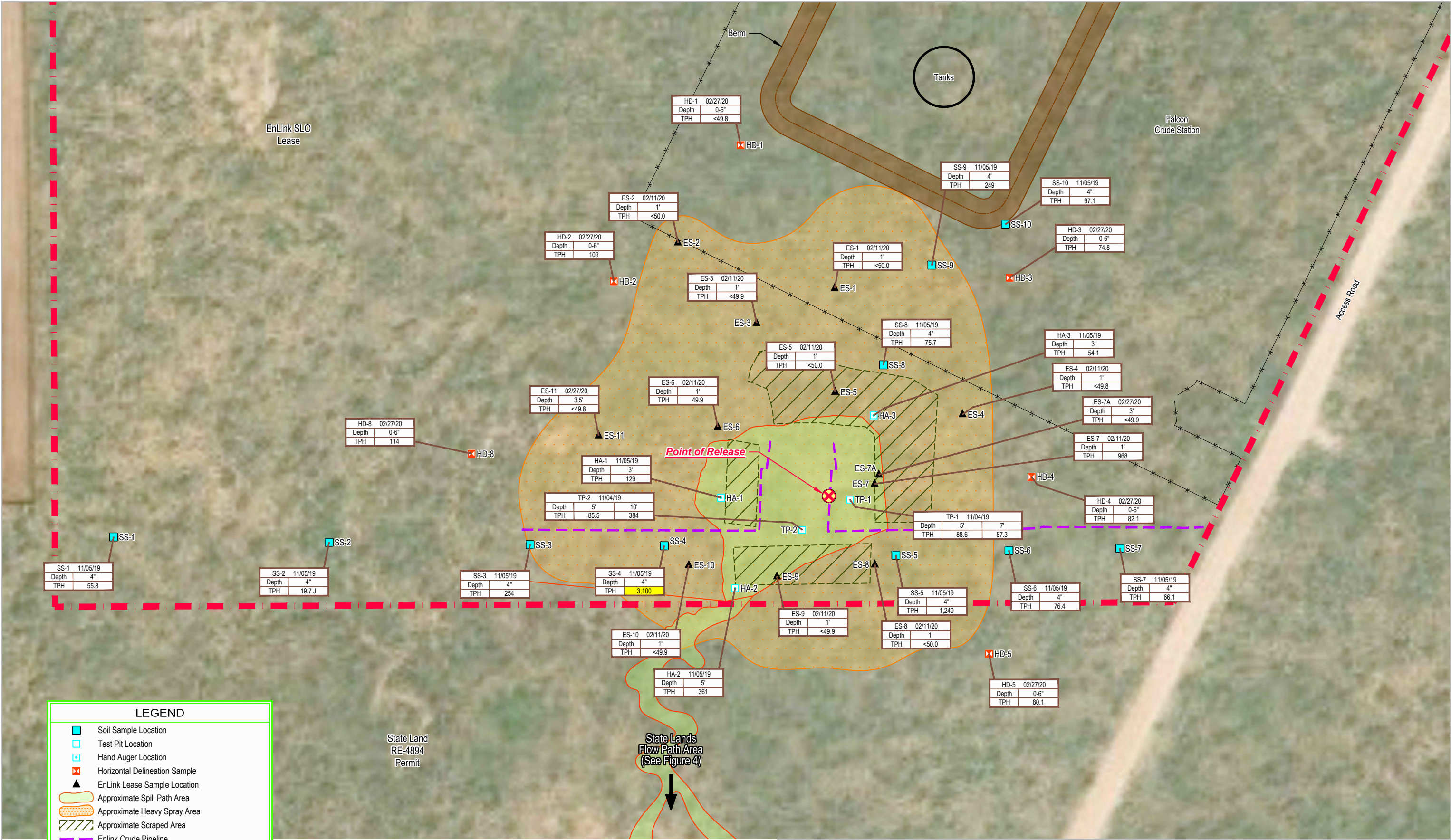
Coordinate System:
NAD 1983 (2011) StatePlane-
New Mexico East (US Feet)

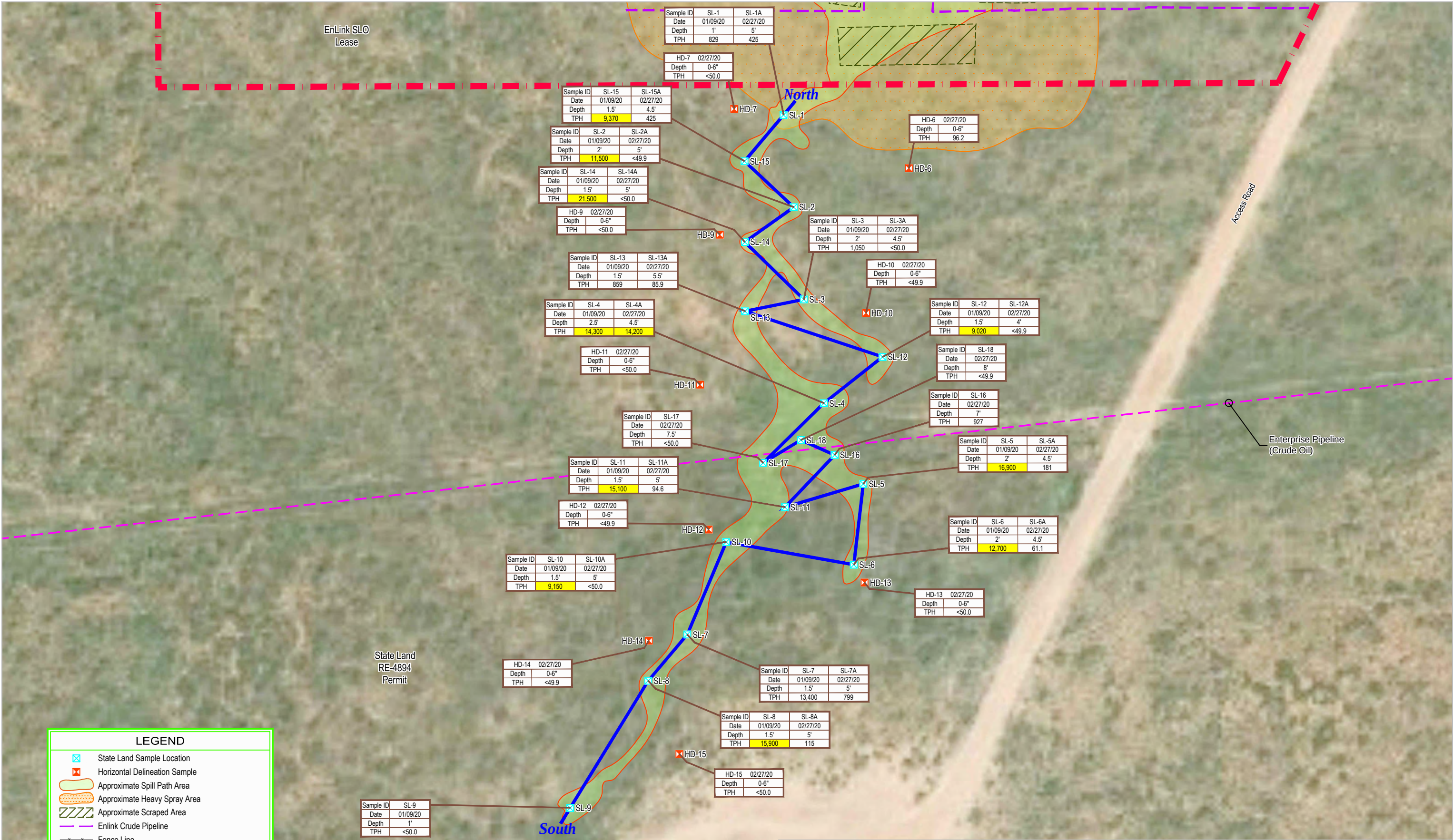
N

GHD

ENLINK MIDSTREAM, LLC
EDDY COUNTY, NEW MEXICO
FALCON CDP FACILITY RELEASE

Project No. 11205561-00
Report No. 000
Date June 2020







Certificate of Analysis Summary 642191

GHD Services, INC- Midland, Midland, TX

Project Name: Enlink Falcon CDP

Project Id:

Contact: Tom Larson

Project Location: Lea

Date Received in Lab: Wed 11.06.2019 09:16

Report Date: 11.07.2019 15:19

Project Manager: Debbie Simmons

<i>Analysis Requested</i>	<i>Lab Id:</i>	642191-001	642191-002	642191-003	642191-004	642191-005	642191-006
	<i>Field Id:</i>	SS-1-4"	SS-2-4"	SS-3-4"	SS-4-4"	SS-5-4"	SS-6-4"
	<i>Depth:</i>	4- In	4- In	4- In	4- In	4- In	4- In
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	11.05.2019 13:30	11.05.2019 13:35	11.05.2019 13:40	11.05.2019 13:45	11.05.2019 13:50	11.05.2019 13:55
BTEX by EPA 8021B	<i>Extracted:</i>	11.06.2019 15:00	11.06.2019 15:00	11.06.2019 15:00	11.06.2019 15:00	11.06.2019 15:00	11.06.2019 15:00
	<i>Analyzed:</i>	11.06.2019 17:37	11.06.2019 17:56	11.06.2019 18:15	11.06.2019 18:35	11.06.2019 18:54	11.06.2019 19:13
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.000498 0.000996	<0.000502 0.00100	<0.000505 0.00101	<0.0100 0.0200	<0.0104 0.0208	<0.000499 0.000998
Toluene		<0.000498 0.000996	0.000673 J 0.00100	0.000707 J 0.00101	0.154 0.0200	0.219 0.0208	<0.000499 0.000998
Ethylbenzene		0.000966 J 0.000996	0.00369 0.00100	0.00330 0.00101	0.0572 0.0200	0.0219 0.0208	<0.000499 0.000998
m,p-Xylenes		0.00680 0.00199	0.00321 0.00201	0.00287 0.00202	0.0498 0.0400	0.113 0.0417	0.00111 J 0.00200
o-Xylene		0.00288 0.000996	0.00106 0.00100	0.000859 J 0.00101	0.0206 0.0200	0.515 0.0208	0.0148 0.000998
Total Xylenes		0.00968 0.000996	0.00427 0.00100	0.00373 0.00101	0.0704 0.0200	0.628 0.0208	0.0159 0.000998
Total BTEX		0.0106 0.000996	0.00863 0.00100	0.00774 0.00101	0.282 0.0200	0.869 0.0208	0.0159 0.000998
TPH By SW8015 Mod	<i>Extracted:</i>	11.06.2019 11:00	11.06.2019 12:00	11.06.2019 12:00	11.06.2019 12:00	11.06.2019 12:00	11.06.2019 12:00
	<i>Analyzed:</i>	11.06.2019 11:57	11.06.2019 12:57	11.06.2019 13:16	11.06.2019 13:36	11.06.2019 13:56	11.07.2019 00:27
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		15.9 J 50.2	<13.8 49.8	16.7 J 50.0	22.5 J 50.3	36.5 J 50.3	19.0 J 50.2
Diesel Range Organics (DRO)		18.1 J 50.2	<11.4 49.8	215 50.0	2840 50.3	1110 50.3	38.2 J 50.2
Motor Oil Range Hydrocarbons (MRO)		21.8 J 50.2	19.7 J 49.8	21.9 J 50.0	235 50.3	92.5 50.3	19.2 J 50.2
Total TPH		55.8 50.2	19.7 J 49.8	254 50.0	3100 50.3	1240 50.3	76.4 50.2

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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

Debbie Simmons
Project Manager



Certificate of Analysis Summary 642191

GHD Services, INC- Midland, Midland, TX

Project Name: Enlink Falcon CDP

Project Id:

Contact: Tom Larson

Project Location: Lea

Date Received in Lab: Wed 11.06.2019 09:16

Report Date: 11.07.2019 15:19

Project Manager: Debbie Simmons

<i>Analysis Requested</i>	<i>Lab Id:</i>	642191-007	642191-008	642191-009	642191-010	642191-011	642191-012
	<i>Field Id:</i>	SS-7-4"	SS-8-4"	SS-9-4"	SS-10-4"	TP-1-5'	TP-1-7'
	<i>Depth:</i>	4- In	4- In	4- In	4- In	5- ft	7- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	11.05.2019 14:00	11.05.2019 14:15	11.05.2019 14:20	11.05.2019 14:28	11.04.2019 14:20	11.04.2019 14:25
BTEX by EPA 8021B	<i>Extracted:</i>	11.06.2019 15:00	11.06.2019 15:00	11.06.2019 15:00	11.06.2019 15:00	11.06.2019 09:40	11.06.2019 09:40
	<i>Analyzed:</i>	11.06.2019 19:32	11.06.2019 19:51	11.06.2019 20:10	11.06.2019 20:29	11.06.2019 14:18	11.06.2019 14:38
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.000498 0.000996	<0.000501 0.00100	<0.000499 0.000998	<0.000503 0.00101	<0.000504 0.00101	<0.000502 0.00100
Toluene		<0.000498 0.000996	<0.000501 0.00100	<0.000499 0.000998	0.00210 0.00101	0.000806 J 0.00101	<0.000502 0.00100
Ethylbenzene		<0.000498 0.000996	0.000631 J 0.00100	0.000539 J 0.000998	<0.000503 0.00101	0.00244 0.00101	<0.000502 0.00100
m,p-Xylenes		<0.000996 0.00199	<0.00100 0.00200	<0.000998 0.00200	<0.00101 0.00201	0.00209 0.00202	<0.00100 0.00201
o-Xylene		<0.000498 0.000996	<0.000501 0.00100	<0.000499 0.000998	<0.000503 0.00101	0.00103 0.00101	<0.000502 0.00100
Total Xylenes		<0.000498 0.000996	<0.000501 0.00100	<0.000499 0.000998	<0.000503 0.00101	0.00312 0.00101	<0.000502 0.00100
Total BTEX		<0.000498 0.000996	0.000631 J 0.00100	0.000539 J 0.000998	0.00210 0.00101	0.00637 0.00101	<0.000502 0.00100
TPH By SW8015 Mod	<i>Extracted:</i>	11.06.2019 12:00	11.06.2019 12:00	11.06.2019 12:00	11.06.2019 12:00	11.06.2019 16:00	11.06.2019 16:00
	<i>Analyzed:</i>	11.06.2019 15:09	11.06.2019 15:29	11.06.2019 15:49	11.06.2019 16:09	11.06.2019 16:50	11.06.2019 17:10
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		15.4 J 50.3	16.0 J 50.3	15.0 J 50.3	15.8 J 50.2	18.2 J 50.3	18.0 J 49.8
Diesel Range Organics (DRO)		15.1 J 50.3	18.1 J 50.3	208 50.3	49.0 J 50.2	41.3 J 50.3	38.0 J 49.8
Motor Oil Range Hydrocarbons (MRO)		35.6 J 50.3	41.6 J 50.3	26.4 J 50.3	32.3 J 50.2	29.1 J 50.3	31.3 J 49.8
Total TPH		66.1 50.3	75.7 50.3	249 50.3	97.1 50.2	88.6 50.3	87.3 49.8

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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

Debbie Simmons
Project Manager



Certificate of Analysis Summary 642191

GHD Services, INC- Midland, Midland, TX

Project Name: Enlink Falcon CDP

Project Id:

Contact: Tom Larson

Project Location: Lea

Date Received in Lab: Wed 11.06.2019 09:16

Report Date: 11.07.2019 15:19

Project Manager: Debbie Simmons

<i>Analysis Requested</i>	<i>Lab Id:</i>	642191-013	642191-014	642191-015	642191-016	642191-017	
	<i>Field Id:</i>	TP-2-5'	TP-2-10'	HA-1-3'	HA-2-5'	HA-3-3'	
	<i>Depth:</i>	5- ft	10- ft	3- ft	5- ft	3- ft	
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	
	<i>Sampled:</i>	11.04.2019 14:57	11.04.2019 15:20	11.05.2019 15:00	11.05.2019 14:48	11.05.2019 14:40	
BTEX by EPA 8021B	<i>Extracted:</i>	11.06.2019 09:40	11.06.2019 09:40	11.06.2019 09:40	11.06.2019 09:40	11.06.2019 09:40	
	<i>Analyzed:</i>	11.06.2019 14:59	11.06.2019 15:19	11.06.2019 15:39	11.06.2019 16:00	11.06.2019 13:57	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Benzene		<0.000497 0.000994	<0.000499 0.000998	<0.000503 0.00101	<0.000498 0.000996	<0.000500 0.00100	
Toluene		<0.000497 0.000994	0.00119 0.000998	<0.000503 0.00101	0.00195 0.000996	<0.000500 0.00100	
Ethylbenzene		<0.000497 0.000994	0.00302 0.000998	0.0520 0.00101	0.0114 0.000996	<0.000500 0.00100	
m,p-Xylenes		<0.000994 0.00199	0.0107 0.00200	0.0358 0.00201	0.0297 0.00199	<0.00100 0.00200	
o-Xylene		<0.000497 0.000994	0.00854 0.000998	0.00900 0.00101	0.00964 0.000996	<0.000500 0.00100	
Total Xylenes		<0.000497 0.000994	0.0192 0.000998	0.0448 0.00101	0.0393 0.000996	<0.000500 0.00100	
Total BTEX		<0.000497 0.000994	0.0235 0.000998	0.0968 0.00101	0.0527 0.000996	<0.000500 0.00100	
TPH By SW8015 Mod	<i>Extracted:</i>	11.06.2019 16:00	11.06.2019 16:00	11.06.2019 16:00	11.06.2019 16:00	11.06.2019 16:00	
	<i>Analyzed:</i>	11.06.2019 17:32	11.06.2019 17:52	11.06.2019 18:11	11.06.2019 18:31	11.06.2019 18:51	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Gasoline Range Hydrocarbons (GRO)		18.2 J 50.1	17.2 J 50.0	14.2 J 50.2	20.1 J 50.1	15.0 J 50.1	
Diesel Range Organics (DRO)		37.6 J 50.1	339 50.0	88.4 50.2	318 50.1	12.0 J 50.1	
Motor Oil Range Hydrocarbons (MRO)		29.7 J 50.1	28.0 J 50.0	26.2 J 50.2	22.7 J 50.1	27.1 J 50.1	
Total TPH		85.5 50.1	384 50.0	129 50.2	361 50.1	54.1 50.1	

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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

Debbie Simmons
Project Manager



Analytical Report 642191

for

GHD Services, INC- Midland

Project Manager: Tom Larson

Enlink Falcon CDP

11.07.2019

Collected By: Client

**1089 N Canal Street
Carlsbad, NM 88220**

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

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

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



11.07.2019

Project Manager: **Tom Larson**
GHD Services, INC- Midland
2135 S Loop 250 W
Midland, TX 79703

Reference: XENCO Report No(s): **642191**
Enlink Falcon CDP
Project Address: Lea

Tom Larson:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 642191. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 642191 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

A handwritten signature in black ink that reads 'Debbie Simmons'. The signature is fluid and cursive, with a horizontal line drawn underneath it.

Debbie Simmons
Project Manager

A Small Business and Minority Company

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



Sample Cross Reference 642191

GHD Services, INC- Midland, Midland, TX

Enlink Falcon CDP

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SS-1-4"	S	11.05.2019 13:30	4 In	642191-001
SS-2-4"	S	11.05.2019 13:35	4 In	642191-002
SS-3-4"	S	11.05.2019 13:40	4 In	642191-003
SS-4-4"	S	11.05.2019 13:45	4 In	642191-004
SS-5-4"	S	11.05.2019 13:50	4 In	642191-005
SS-6-4"	S	11.05.2019 13:55	4 In	642191-006
SS-7-4"	S	11.05.2019 14:00	4 In	642191-007
SS-8-4"	S	11.05.2019 14:15	4 In	642191-008
SS-9-4"	S	11.05.2019 14:20	4 In	642191-009
SS-10-4"	S	11.05.2019 14:28	4 In	642191-010
TP-1-5'	S	11.04.2019 14:20	5 ft	642191-011
TP-1-7'	S	11.04.2019 14:25	7 ft	642191-012
TP-2-5'	S	11.04.2019 14:57	5 ft	642191-013
TP-2-10'	S	11.04.2019 15:20	10 ft	642191-014
HA-1-3'	S	11.05.2019 15:00	3 ft	642191-015
HA-2-5'	S	11.05.2019 14:48	5 ft	642191-016
HA-3-3'	S	11.05.2019 14:40	3 ft	642191-017



CASE NARRATIVE

Client Name: GHD Services, INC- Midland

Project Name: Enlink Falcon CDP

Project ID:
Work Order Number(s): 642191

Report Date: 11.07.2019
Date Received: 11.06.2019

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3106687 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3106690 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.



Certificate of Analytical Results 642191

GHD Services, INC- Midland, Midland, TX

Enlink Falcon CDP

Sample Id: **SS-1-4"**
Lab Sample Id: 642191-001

Matrix: Soil
Date Collected: 11.05.2019 13:30

Date Received: 11.06.2019 09:16
Sample Depth: 4 In

Analytical Method: TPH By SW8015 Mod

Tech: DTH

Analyst: DTH

Seq Number: 3106741

Prep Method: SW8015P

% Moisture:

Date Prep: 11.06.2019 11:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	15.9	50.2	13.9	mg/kg	11.06.2019 11:57	J	1
Diesel Range Organics (DRO)	C10C28DRO	18.1	50.2	11.5	mg/kg	11.06.2019 11:57	J	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	21.8	50.2	11.5	mg/kg	11.06.2019 11:57	J	1
Total TPH	PHC635	55.8	50.2	11.5	mg/kg	11.06.2019 11:57		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	11.06.2019 11:57	
o-Terphenyl	84-15-1	101	%	70-135	11.06.2019 11:57	

Analytical Method: BTEX by EPA 8021B

Tech: MAB

Analyst: MAB

Seq Number: 3106690

Prep Method: SW5030B

% Moisture:

Date Prep: 11.06.2019 15:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000498	0.000996	0.000498	mg/kg	11.06.2019 17:37	U	1
Toluene	108-88-3	<0.000498	0.000996	0.000498	mg/kg	11.06.2019 17:37	U	1
Ethylbenzene	100-41-4	0.000966	0.000996	0.000498	mg/kg	11.06.2019 17:37	J	1
m,p-Xylenes	179601-23-1	0.00680	0.00199	0.000996	mg/kg	11.06.2019 17:37		1
o-Xylene	95-47-6	0.00288	0.000996	0.000498	mg/kg	11.06.2019 17:37		1
Total Xylenes	1330-20-7	0.00968	0.000996	0.000498	mg/kg	11.06.2019 17:37		1
Total BTEX		0.0106	0.000996	0.000498	mg/kg	11.06.2019 17:37		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	11.06.2019 17:37	
4-Bromofluorobenzene	460-00-4	110	%	70-130	11.06.2019 17:37	



Certificate of Analytical Results 642191

GHD Services, INC- Midland, Midland, TX

Enlink Falcon CDP

Sample Id: SS-2-4"
Lab Sample Id: 642191-002

Matrix: Soil
Date Collected: 11.05.2019 13:35

Date Received: 11.06.2019 09:16
Sample Depth: 4 In

Analytical Method: TPH By SW8015 Mod

Tech: DTH

Analyst: DTH

Seq Number: 3106741

Prep Method: SW8015P

% Moisture:

Date Prep: 11.06.2019 12:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<13.8	49.8	13.8	mg/kg	11.06.2019 12:57	U	1
Diesel Range Organics (DRO)	C10C28DRO	<11.4	49.8	11.4	mg/kg	11.06.2019 12:57	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	19.7	49.8	11.4	mg/kg	11.06.2019 12:57	J	1
Total TPH	PHCG35	19.7	49.8	11.4	mg/kg	11.06.2019 12:57	J	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-135	11.06.2019 12:57	
o-Terphenyl	84-15-1	97	%	70-135	11.06.2019 12:57	

Analytical Method: BTEX by EPA 8021B

Tech: MAB

Analyst: MAB

Seq Number: 3106690

Prep Method: SW5030B

% Moisture:

Date Prep: 11.06.2019 15:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000502	0.00100	0.000502	mg/kg	11.06.2019 17:56	U	1
Toluene	108-88-3	0.000673	0.00100	0.000502	mg/kg	11.06.2019 17:56	J	1
Ethylbenzene	100-41-4	0.00369	0.00100	0.000502	mg/kg	11.06.2019 17:56		1
m,p-Xylenes	179601-23-1	0.00321	0.00201	0.00100	mg/kg	11.06.2019 17:56		1
o-Xylene	95-47-6	0.00106	0.00100	0.000502	mg/kg	11.06.2019 17:56		1
Total Xylenes	1330-20-7	0.00427	0.00100	0.000502	mg/kg	11.06.2019 17:56		1
Total BTEX		0.00863	0.00100	0.000502	mg/kg	11.06.2019 17:56		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	119	%	70-130	11.06.2019 17:56	
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.06.2019 17:56	



Certificate of Analytical Results 642191

GHD Services, INC- Midland, Midland, TX

Enlink Falcon CDP

Sample Id: SS-3-4"
Lab Sample Id: 642191-003

Matrix: Soil
Date Collected: 11.05.2019 13:40

Date Received: 11.06.2019 09:16
Sample Depth: 4 In

Analytical Method: TPH By SW8015 Mod

Tech: DTH

Analyst: DTH

Seq Number: 3106741

Prep Method: SW8015P

% Moisture:

Date Prep: 11.06.2019 12:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	16.7	50.0	13.9	mg/kg	11.06.2019 13:16	J	1
Diesel Range Organics (DRO)	C10C28DRO	215	50.0	11.5	mg/kg	11.06.2019 13:16		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	21.9	50.0	11.4	mg/kg	11.06.2019 13:16	J	1
Total TPH	PHCG35	254	50.0	11.4	mg/kg	11.06.2019 13:16		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	75	%	70-135	11.06.2019 13:16	
o-Terphenyl	84-15-1	81	%	70-135	11.06.2019 13:16	

Analytical Method: BTEX by EPA 8021B

Tech: MAB

Analyst: MAB

Seq Number: 3106690

Prep Method: SW5030B

% Moisture:

Date Prep: 11.06.2019 15:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000505	0.00101	0.000505	mg/kg	11.06.2019 18:15	U	1
Toluene	108-88-3	0.000707	0.00101	0.000505	mg/kg	11.06.2019 18:15	J	1
Ethylbenzene	100-41-4	0.00330	0.00101	0.000505	mg/kg	11.06.2019 18:15		1
m,p-Xylenes	179601-23-1	0.00287	0.00202	0.00101	mg/kg	11.06.2019 18:15		1
o-Xylene	95-47-6	0.000859	0.00101	0.000505	mg/kg	11.06.2019 18:15	J	1
Total Xylenes	1330-20-7	0.00373	0.00101	0.000505	mg/kg	11.06.2019 18:15		1
Total BTEX		0.00774	0.00101	0.000505	mg/kg	11.06.2019 18:15		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	121	%	70-130	11.06.2019 18:15	
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.06.2019 18:15	



Certificate of Analytical Results 642191

GHD Services, INC- Midland, Midland, TX

Enlink Falcon CDP

Sample Id: SS-4-4"
Lab Sample Id: 642191-004

Matrix: Soil
Date Collected: 11.05.2019 13:45

Date Received: 11.06.2019 09:16
Sample Depth: 4 In

Analytical Method: TPH By SW8015 Mod

Tech: DTH

Analyst: DTH

Seq Number: 3106741

Prep Method: SW8015P

% Moisture:

Date Prep: 11.06.2019 12:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	22.5	50.3	14.0	mg/kg	11.06.2019 13:36	J	1
Diesel Range Organics (DRO)	C10C28DRO	2840	50.3	11.5	mg/kg	11.06.2019 13:36		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	235	50.3	11.5	mg/kg	11.06.2019 13:36		1
Total TPH	PHCG35	3100	50.3	11.5	mg/kg	11.06.2019 13:36		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-135	11.06.2019 13:36	
o-Terphenyl	84-15-1	114	%	70-135	11.06.2019 13:36	

Analytical Method: BTEX by EPA 8021B

Tech: MAB

Analyst: MAB

Seq Number: 3106690

Prep Method: SW5030B

% Moisture:

Date Prep: 11.06.2019 15:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0100	0.0200	0.0100	mg/kg	11.06.2019 18:35	U	1
Toluene	108-88-3	0.154	0.0200	0.0100	mg/kg	11.06.2019 18:35		1
Ethylbenzene	100-41-4	0.0572	0.0200	0.0100	mg/kg	11.06.2019 18:35		1
m,p-Xylenes	179601-23-1	0.0498	0.0400	0.0200	mg/kg	11.06.2019 18:35		1
o-Xylene	95-47-6	0.0206	0.0200	0.0100	mg/kg	11.06.2019 18:35		1
Total Xylenes	1330-20-7	0.0704	0.0200	0.0100	mg/kg	11.06.2019 18:35		1
Total BTEX		0.282	0.0200	0.0100	mg/kg	11.06.2019 18:35		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	113	%	70-130	11.06.2019 18:35	
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.06.2019 18:35	



Certificate of Analytical Results 642191

GHD Services, INC- Midland, Midland, TX

Enlink Falcon CDP

Sample Id: SS-5-4"
Lab Sample Id: 642191-005

Matrix: Soil
Date Collected: 11.05.2019 13:50

Date Received: 11.06.2019 09:16
Sample Depth: 4 In

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DTH

% Moisture:

Analyst: DTH

Date Prep: 11.06.2019 12:00

Basis: Wet Weight

Seq Number: 3106741

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	36.5	50.3	14.0	mg/kg	11.06.2019 13:56	J	1
Diesel Range Organics (DRO)	C10C28DRO	1110	50.3	11.5	mg/kg	11.06.2019 13:56		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	92.5	50.3	11.5	mg/kg	11.06.2019 13:56		1
Total TPH	PHCG35	1240	50.3	11.5	mg/kg	11.06.2019 13:56		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-135	11.06.2019 13:56	
o-Terphenyl	84-15-1	95	%	70-135	11.06.2019 13:56	

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: MAB

% Moisture:

Analyst: MAB

Date Prep: 11.06.2019 15:00

Basis: Wet Weight

Seq Number: 3106690

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0104	0.0208	0.0104	mg/kg	11.06.2019 18:54	U	1
Toluene	108-88-3	0.219	0.0208	0.0104	mg/kg	11.06.2019 18:54		1
Ethylbenzene	100-41-4	0.0219	0.0208	0.0104	mg/kg	11.06.2019 18:54		1
m,p-Xylenes	179601-23-1	0.113	0.0417	0.0208	mg/kg	11.06.2019 18:54		1
o-Xylene	95-47-6	0.515	0.0208	0.0104	mg/kg	11.06.2019 18:54		1
Total Xylenes	1330-20-7	0.628	0.0208	0.0104	mg/kg	11.06.2019 18:54		1
Total BTEX		0.869	0.0208	0.0104	mg/kg	11.06.2019 18:54		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	11.06.2019 18:54	
4-Bromofluorobenzene	460-00-4	116	%	70-130	11.06.2019 18:54	



Certificate of Analytical Results 642191

GHD Services, INC- Midland, Midland, TX

Enlink Falcon CDP

Sample Id: SS-6-4"
Lab Sample Id: 642191-006

Matrix: Soil
Date Collected: 11.05.2019 13:55

Date Received: 11.06.2019 09:16
Sample Depth: 4 In

Analytical Method: TPH By SW8015 Mod

Tech: DTH

Analyst: DTH

Seq Number: 3106741

Prep Method: SW8015P

% Moisture:

Date Prep: 11.06.2019 12:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	19.0	50.2	13.9	mg/kg	11.07.2019 00:27	J	1
Diesel Range Organics (DRO)	C10C28DRO	38.2	50.2	11.5	mg/kg	11.07.2019 00:27	J	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	19.2	50.2	11.5	mg/kg	11.07.2019 00:27	J	1
Total TPH	PHCG35	76.4	50.2	11.5	mg/kg	11.07.2019 00:27		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	11.07.2019 00:27	
o-Terphenyl	84-15-1	101	%	70-135	11.07.2019 00:27	

Analytical Method: BTEX by EPA 8021B

Tech: MAB

Analyst: MAB

Seq Number: 3106690

Prep Method: SW5030B

% Moisture:

Date Prep: 11.06.2019 15:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000499	0.000998	0.000499	mg/kg	11.06.2019 19:13	U	1
Toluene	108-88-3	<0.000499	0.000998	0.000499	mg/kg	11.06.2019 19:13	U	1
Ethylbenzene	100-41-4	<0.000499	0.000998	0.000499	mg/kg	11.06.2019 19:13	U	1
m,p-Xylenes	179601-23-1	0.00111	0.00200	0.000998	mg/kg	11.06.2019 19:13	J	1
o-Xylene	95-47-6	0.0148	0.000998	0.000499	mg/kg	11.06.2019 19:13		1
Total Xylenes	1330-20-7	0.0159	0.000998	0.000499	mg/kg	11.06.2019 19:13		1
Total BTEX		0.0159	0.000998	0.000499	mg/kg	11.06.2019 19:13		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	123	%	70-130	11.06.2019 19:13	
1,4-Difluorobenzene	540-36-3	105	%	70-130	11.06.2019 19:13	



Certificate of Analytical Results 642191

GHD Services, INC- Midland, Midland, TX

Enlink Falcon CDP

Sample Id: SS-7-4"
Lab Sample Id: 642191-007

Matrix: Soil
Date Collected: 11.05.2019 14:00

Date Received: 11.06.2019 09:16
Sample Depth: 4 In

Analytical Method: TPH By SW8015 Mod

Tech: DTH

Analyst: DTH

Seq Number: 3106741

Prep Method: SW8015P

% Moisture:

Date Prep: 11.06.2019 12:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	15.4	50.3	14.0	mg/kg	11.06.2019 15:09	J	1
Diesel Range Organics (DRO)	C10C28DRO	15.1	50.3	11.5	mg/kg	11.06.2019 15:09	J	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	35.6	50.3	11.5	mg/kg	11.06.2019 15:09	J	1
Total TPH	PHCG35	66.1	50.3	11.5	mg/kg	11.06.2019 15:09		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-135	11.06.2019 15:09	
o-Terphenyl	84-15-1	105	%	70-135	11.06.2019 15:09	

Analytical Method: BTEX by EPA 8021B

Tech: MAB

Analyst: MAB

Seq Number: 3106690

Prep Method: SW5030B

% Moisture:

Date Prep: 11.06.2019 15:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000498	0.000996	0.000498	mg/kg	11.06.2019 19:32	U	1
Toluene	108-88-3	<0.000498	0.000996	0.000498	mg/kg	11.06.2019 19:32	U	1
Ethylbenzene	100-41-4	<0.000498	0.000996	0.000498	mg/kg	11.06.2019 19:32	U	1
m,p-Xylenes	179601-23-1	<0.000996	0.00199	0.000996	mg/kg	11.06.2019 19:32	U	1
o-Xylene	95-47-6	<0.000498	0.000996	0.000498	mg/kg	11.06.2019 19:32	U	1
Total Xylenes	1330-20-7	<0.000498	0.000996	0.000498	mg/kg	11.06.2019 19:32	U	1
Total BTEX		<0.000498	0.000996	0.000498	mg/kg	11.06.2019 19:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.06.2019 19:32	
4-Bromofluorobenzene	460-00-4	119	%	70-130	11.06.2019 19:32	



Certificate of Analytical Results 642191

GHD Services, INC- Midland, Midland, TX

Enlink Falcon CDP

Sample Id: SS-8-4"
Lab Sample Id: 642191-008

Matrix: Soil
Date Collected: 11.05.2019 14:15

Date Received: 11.06.2019 09:16
Sample Depth: 4 In

Analytical Method: TPH By SW8015 Mod

Tech: DTH

Analyst: DTH

Seq Number: 3106741

Prep Method: SW8015P

% Moisture:

Date Prep: 11.06.2019 12:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	16.0	50.3	14.0	mg/kg	11.06.2019 15:29	J	1
Diesel Range Organics (DRO)	C10C28DRO	18.1	50.3	11.5	mg/kg	11.06.2019 15:29	J	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	41.6	50.3	11.5	mg/kg	11.06.2019 15:29	J	1
Total TPH	PHCG35	75.7	50.3	11.5	mg/kg	11.06.2019 15:29		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-135	11.06.2019 15:29	
o-Terphenyl	84-15-1	97	%	70-135	11.06.2019 15:29	

Analytical Method: BTEX by EPA 8021B

Tech: MAB

Analyst: MAB

Seq Number: 3106690

Prep Method: SW5030B

% Moisture:

Date Prep: 11.06.2019 15:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000501	0.00100	0.000501	mg/kg	11.06.2019 19:51	U	1
Toluene	108-88-3	<0.000501	0.00100	0.000501	mg/kg	11.06.2019 19:51	U	1
Ethylbenzene	100-41-4	0.000631	0.00100	0.000501	mg/kg	11.06.2019 19:51	J	1
m,p-Xylenes	179601-23-1	<0.00100	0.00200	0.00100	mg/kg	11.06.2019 19:51	U	1
o-Xylene	95-47-6	<0.000501	0.00100	0.000501	mg/kg	11.06.2019 19:51	U	1
Total Xylenes	1330-20-7	<0.000501	0.00100	0.000501	mg/kg	11.06.2019 19:51	U	1
Total BTEX		0.000631	0.00100	0.000501	mg/kg	11.06.2019 19:51	J	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.06.2019 19:51	
4-Bromofluorobenzene	460-00-4	121	%	70-130	11.06.2019 19:51	



Certificate of Analytical Results 642191

GHD Services, INC- Midland, Midland, TX

Enlink Falcon CDP

Sample Id: **SS-9-4"**
Lab Sample Id: 642191-009

Matrix: Soil
Date Collected: 11.05.2019 14:20

Date Received: 11.06.2019 09:16
Sample Depth: 4 In

Analytical Method: TPH By SW8015 Mod

Tech: DTH

Analyst: DTH

Seq Number: 3106741

Prep Method: SW8015P

% Moisture:

Date Prep: 11.06.2019 12:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	15.0	50.3	14.0	mg/kg	11.06.2019 15:49	J	1
Diesel Range Organics (DRO)	C10C28DRO	208	50.3	11.5	mg/kg	11.06.2019 15:49		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	26.4	50.3	11.5	mg/kg	11.06.2019 15:49	J	1
Total TPH	PHCG35	249	50.3	11.5	mg/kg	11.06.2019 15:49		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-135	11.06.2019 15:49	
o-Terphenyl	84-15-1	100	%	70-135	11.06.2019 15:49	

Analytical Method: BTEX by EPA 8021B

Tech: MAB

Analyst: MAB

Seq Number: 3106690

Prep Method: SW5030B

% Moisture:

Date Prep: 11.06.2019 15:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000499	0.000998	0.000499	mg/kg	11.06.2019 20:10	U	1
Toluene	108-88-3	<0.000499	0.000998	0.000499	mg/kg	11.06.2019 20:10	U	1
Ethylbenzene	100-41-4	0.000539	0.000998	0.000499	mg/kg	11.06.2019 20:10	J	1
m,p-Xylenes	179601-23-1	<0.000998	0.00200	0.000998	mg/kg	11.06.2019 20:10	U	1
o-Xylene	95-47-6	<0.000499	0.000998	0.000499	mg/kg	11.06.2019 20:10	U	1
Total Xylenes	1330-20-7	<0.000499	0.000998	0.000499	mg/kg	11.06.2019 20:10	U	1
Total BTEX		0.000539	0.000998	0.000499	mg/kg	11.06.2019 20:10	J	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.06.2019 20:10	
4-Bromofluorobenzene	460-00-4	118	%	70-130	11.06.2019 20:10	



Certificate of Analytical Results 642191

GHD Services, INC- Midland, Midland, TX

Enlink Falcon CDP

Sample Id: **SS-10-4"**

Matrix: Soil

Date Received: 11.06.2019 09:16

Lab Sample Id: 642191-010

Date Collected: 11.05.2019 14:28

Sample Depth: 4 In

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DTH

% Moisture:

Analyst: DTH

Date Prep: 11.06.2019 12:00

Basis: Wet Weight

Seq Number: 3106741

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	15.8	50.2	13.9	mg/kg	11.06.2019 16:09	J	1
Diesel Range Organics (DRO)	C10C28DRO	49.0	50.2	11.5	mg/kg	11.06.2019 16:09	J	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	32.3	50.2	11.5	mg/kg	11.06.2019 16:09	J	1
Total TPH	PHCG35	97.1	50.2	11.5	mg/kg	11.06.2019 16:09		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-135	11.06.2019 16:09	
o-Terphenyl	84-15-1	102	%	70-135	11.06.2019 16:09	

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: MAB

% Moisture:

Analyst: MAB

Date Prep: 11.06.2019 15:00

Basis: Wet Weight

Seq Number: 3106690

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000503	0.00101	0.000503	mg/kg	11.06.2019 20:29	U	1
Toluene	108-88-3	0.00210	0.00101	0.000503	mg/kg	11.06.2019 20:29		1
Ethylbenzene	100-41-4	<0.000503	0.00101	0.000503	mg/kg	11.06.2019 20:29	U	1
m,p-Xylenes	179601-23-1	<0.00101	0.00201	0.00101	mg/kg	11.06.2019 20:29	U	1
o-Xylene	95-47-6	<0.000503	0.00101	0.000503	mg/kg	11.06.2019 20:29	U	1
Total Xylenes	1330-20-7	<0.000503	0.00101	0.000503	mg/kg	11.06.2019 20:29	U	1
Total BTEX		0.00210	0.00101	0.000503	mg/kg	11.06.2019 20:29		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	11.06.2019 20:29	
4-Bromofluorobenzene	460-00-4	117	%	70-130	11.06.2019 20:29	



Certificate of Analytical Results 642191

GHD Services, INC- Midland, Midland, TX

Enlink Falcon CDP

Sample Id: **TP-1-5'**
Lab Sample Id: 642191-011

Matrix: Soil
Date Collected: 11.04.2019 14:20

Date Received: 11.06.2019 09:16
Sample Depth: 5 ft

Analytical Method: TPH By SW8015 Mod

Tech: DTH

Analyst: DTH

Seq Number: 3106741

Prep Method: SW8015P

% Moisture:

Date Prep: 11.06.2019 16:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	18.2	50.3	14.0	mg/kg	11.06.2019 16:50	J	1
Diesel Range Organics (DRO)	C10C28DRO	41.3	50.3	11.5	mg/kg	11.06.2019 16:50	J	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	29.1	50.3	11.5	mg/kg	11.06.2019 16:50	J	1
Total TPH	PHCG35	88.6	50.3	11.5	mg/kg	11.06.2019 16:50		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-135	11.06.2019 16:50	
o-Terphenyl	84-15-1	98	%	70-135	11.06.2019 16:50	

Analytical Method: BTEX by EPA 8021B

Tech: MAB

Analyst: MAB

Seq Number: 3106687

Prep Method: SW5030B

% Moisture:

Date Prep: 11.06.2019 09:40

Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000504	0.00101	0.000504	mg/kg	11.06.2019 14:18	U	1
Toluene	108-88-3	0.000806	0.00101	0.000504	mg/kg	11.06.2019 14:18	J	1
Ethylbenzene	100-41-4	0.00244	0.00101	0.000504	mg/kg	11.06.2019 14:18		1
m,p-Xylenes	179601-23-1	0.00209	0.00202	0.00101	mg/kg	11.06.2019 14:18		1
o-Xylene	95-47-6	0.00103	0.00101	0.000504	mg/kg	11.06.2019 14:18		1
Total Xylenes	1330-20-7	0.00312	0.00101	0.000504	mg/kg	11.06.2019 14:18		1
Total BTEX		0.00637	0.00101	0.000504	mg/kg	11.06.2019 14:18		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	11.06.2019 14:18	
4-Bromofluorobenzene	460-00-4	111	%	70-130	11.06.2019 14:18	



Certificate of Analytical Results 642191

GHD Services, INC- Midland, Midland, TX

Enlink Falcon CDP

Sample Id: **TP-1-7'**
Lab Sample Id: 642191-012

Matrix: Soil
Date Collected: 11.04.2019 14:25

Date Received: 11.06.2019 09:16
Sample Depth: 7 ft

Analytical Method: TPH By SW8015 Mod

Tech: DTH

Analyst: DTH

Seq Number: 3106741

Prep Method: SW8015P

% Moisture:

Date Prep: 11.06.2019 16:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	18.0	49.8	13.8	mg/kg	11.06.2019 17:10	J	1
Diesel Range Organics (DRO)	C10C28DRO	38.0	49.8	11.4	mg/kg	11.06.2019 17:10	J	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	31.3	49.8	11.4	mg/kg	11.06.2019 17:10	J	1
Total TPH	PHCG35	87.3	49.8	11.4	mg/kg	11.06.2019 17:10		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	11.06.2019 17:10	
o-Terphenyl	84-15-1	109	%	70-135	11.06.2019 17:10	

Analytical Method: BTEX by EPA 8021B

Tech: MAB

Analyst: MAB

Seq Number: 3106687

Prep Method: SW5030B

% Moisture:

Date Prep: 11.06.2019 09:40

Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000502	0.00100	0.000502	mg/kg	11.06.2019 14:38	U	1
Toluene	108-88-3	<0.000502	0.00100	0.000502	mg/kg	11.06.2019 14:38	U	1
Ethylbenzene	100-41-4	<0.000502	0.00100	0.000502	mg/kg	11.06.2019 14:38	U	1
m,p-Xylenes	179601-23-1	<0.00100	0.00201	0.00100	mg/kg	11.06.2019 14:38	U	1
o-Xylene	95-47-6	<0.000502	0.00100	0.000502	mg/kg	11.06.2019 14:38	U	1
Total Xylenes	1330-20-7	<0.000502	0.00100	0.000502	mg/kg	11.06.2019 14:38	U	1
Total BTEX		<0.000502	0.00100	0.000502	mg/kg	11.06.2019 14:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	11.06.2019 14:38	
4-Bromofluorobenzene	460-00-4	111	%	70-130	11.06.2019 14:38	



Certificate of Analytical Results 642191

GHD Services, INC- Midland, Midland, TX

Enlink Falcon CDP

Sample Id: **TP-2-5'**
Lab Sample Id: 642191-013

Matrix: Soil
Date Collected: 11.04.2019 14:57

Date Received: 11.06.2019 09:16
Sample Depth: 5 ft

Analytical Method: TPH By SW8015 Mod

Tech: DTH

Analyst: DTH

Seq Number: 3106741

Prep Method: SW8015P

% Moisture:

Date Prep: 11.06.2019 16:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	18.2	50.1	13.9	mg/kg	11.06.2019 17:32	J	1
Diesel Range Organics (DRO)	C10C28DRO	37.6	50.1	11.5	mg/kg	11.06.2019 17:32	J	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	29.7	50.1	11.5	mg/kg	11.06.2019 17:32	J	1
Total TPH	PHCG35	85.5	50.1	11.5	mg/kg	11.06.2019 17:32		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	11.06.2019 17:32	
o-Terphenyl	84-15-1	108	%	70-135	11.06.2019 17:32	

Analytical Method: BTEX by EPA 8021B

Tech: MAB

Analyst: MAB

Seq Number: 3106687

Prep Method: SW5030B

% Moisture:

Date Prep: 11.06.2019 09:40

Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000497	0.000994	0.000497	mg/kg	11.06.2019 14:59	U	1
Toluene	108-88-3	<0.000497	0.000994	0.000497	mg/kg	11.06.2019 14:59	U	1
Ethylbenzene	100-41-4	<0.000497	0.000994	0.000497	mg/kg	11.06.2019 14:59	U	1
m,p-Xylenes	179601-23-1	<0.000994	0.00199	0.000994	mg/kg	11.06.2019 14:59	U	1
o-Xylene	95-47-6	<0.000497	0.000994	0.000497	mg/kg	11.06.2019 14:59	U	1
Total Xylenes	1330-20-7	<0.000497	0.000994	0.000497	mg/kg	11.06.2019 14:59	U	1
Total BTEX		<0.000497	0.000994	0.000497	mg/kg	11.06.2019 14:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	99	%	70-130	11.06.2019 14:59	
4-Bromofluorobenzene	460-00-4	109	%	70-130	11.06.2019 14:59	



Certificate of Analytical Results 642191

GHD Services, INC- Midland, Midland, TX

Enlink Falcon CDP

Sample Id: **TP-2-10'**
Lab Sample Id: 642191-014

Matrix: Soil
Date Collected: 11.04.2019 15:20

Date Received: 11.06.2019 09:16
Sample Depth: 10 ft

Analytical Method: TPH By SW8015 Mod

Tech: DTH

Analyst: DTH

Seq Number: 3106741

Prep Method: SW8015P

% Moisture:

Date Prep: 11.06.2019 16:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	17.2	50.0	13.9	mg/kg	11.06.2019 17:52	J	1
Diesel Range Organics (DRO)	C10C28DRO	339	50.0	11.5	mg/kg	11.06.2019 17:52		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	28.0	50.0	11.4	mg/kg	11.06.2019 17:52	J	1
Total TPH	PHCG35	384	50.0	11.4	mg/kg	11.06.2019 17:52		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	78	%	70-135	11.06.2019 17:52	
o-Terphenyl	84-15-1	85	%	70-135	11.06.2019 17:52	

Analytical Method: BTEX by EPA 8021B

Tech: MAB

Analyst: MAB

Seq Number: 3106687

Prep Method: SW5030B

% Moisture:

Date Prep: 11.06.2019 09:40

Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000499	0.000998	0.000499	mg/kg	11.06.2019 15:19	U	1
Toluene	108-88-3	0.00119	0.000998	0.000499	mg/kg	11.06.2019 15:19		1
Ethylbenzene	100-41-4	0.00302	0.000998	0.000499	mg/kg	11.06.2019 15:19		1
m,p-Xylenes	179601-23-1	0.0107	0.00200	0.000998	mg/kg	11.06.2019 15:19		1
o-Xylene	95-47-6	0.00854	0.000998	0.000499	mg/kg	11.06.2019 15:19		1
Total Xylenes	1330-20-7	0.0192	0.000998	0.000499	mg/kg	11.06.2019 15:19		1
Total BTEX		0.0235	0.000998	0.000499	mg/kg	11.06.2019 15:19		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	119	%	70-130	11.06.2019 15:19	
1,4-Difluorobenzene	540-36-3	98	%	70-130	11.06.2019 15:19	



Certificate of Analytical Results 642191

GHD Services, INC- Midland, Midland, TX

Enlink Falcon CDP

Sample Id: **HA-1-3'**
Lab Sample Id: 642191-015

Matrix: Soil
Date Collected: 11.05.2019 15:00

Date Received: 11.06.2019 09:16
Sample Depth: 3 ft

Analytical Method: TPH By SW8015 Mod

Tech: DTH

Analyst: DTH

Seq Number: 3106741

Prep Method: SW8015P

% Moisture:

Date Prep: 11.06.2019 16:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	14.2	50.2	13.9	mg/kg	11.06.2019 18:11	J	1
Diesel Range Organics (DRO)	C10C28DRO	88.4	50.2	11.5	mg/kg	11.06.2019 18:11		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	26.2	50.2	11.5	mg/kg	11.06.2019 18:11	J	1
Total TPH	PHCG35	129	50.2	11.5	mg/kg	11.06.2019 18:11		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-135	11.06.2019 18:11	
o-Terphenyl	84-15-1	98	%	70-135	11.06.2019 18:11	

Analytical Method: BTEX by EPA 8021B

Tech: MAB

Analyst: MAB

Seq Number: 3106687

Prep Method: SW5030B

% Moisture:

Date Prep: 11.06.2019 09:40

Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000503	0.00101	0.000503	mg/kg	11.06.2019 15:39	U	1
Toluene	108-88-3	<0.000503	0.00101	0.000503	mg/kg	11.06.2019 15:39	U	1
Ethylbenzene	100-41-4	0.0520	0.00101	0.000503	mg/kg	11.06.2019 15:39		1
m,p-Xylenes	179601-23-1	0.0358	0.00201	0.00101	mg/kg	11.06.2019 15:39		1
o-Xylene	95-47-6	0.00900	0.00101	0.000503	mg/kg	11.06.2019 15:39		1
Total Xylenes	1330-20-7	0.0448	0.00101	0.000503	mg/kg	11.06.2019 15:39		1
Total BTEX		0.0968	0.00101	0.000503	mg/kg	11.06.2019 15:39		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	97	%	70-130	11.06.2019 15:39	
4-Bromofluorobenzene	460-00-4	120	%	70-130	11.06.2019 15:39	



Certificate of Analytical Results 642191

GHD Services, INC- Midland, Midland, TX

Enlink Falcon CDP

Sample Id: **HA-2-5'**
Lab Sample Id: 642191-016

Matrix: Soil
Date Collected: 11.05.2019 14:48

Date Received: 11.06.2019 09:16
Sample Depth: 5 ft

Analytical Method: TPH By SW8015 Mod

Tech: DTH

Analyst: DTH

Seq Number: 3106741

Prep Method: SW8015P

% Moisture:

Date Prep: 11.06.2019 16:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	20.1	50.1	13.9	mg/kg	11.06.2019 18:31	J	1
Diesel Range Organics (DRO)	C10C28DRO	318	50.1	11.5	mg/kg	11.06.2019 18:31		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	22.7	50.1	11.5	mg/kg	11.06.2019 18:31	J	1
Total TPH	PHCG35	361	50.1	11.5	mg/kg	11.06.2019 18:31		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	81	%	70-135	11.06.2019 18:31	
o-Terphenyl	84-15-1	89	%	70-135	11.06.2019 18:31	

Analytical Method: BTEX by EPA 8021B

Tech: MAB

Analyst: MAB

Seq Number: 3106687

Prep Method: SW5030B

% Moisture:

Date Prep: 11.06.2019 09:40

Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000498	0.000996	0.000498	mg/kg	11.06.2019 16:00	U	1
Toluene	108-88-3	0.00195	0.000996	0.000498	mg/kg	11.06.2019 16:00		1
Ethylbenzene	100-41-4	0.0114	0.000996	0.000498	mg/kg	11.06.2019 16:00		1
m,p-Xylenes	179601-23-1	0.0297	0.00199	0.000996	mg/kg	11.06.2019 16:00		1
o-Xylene	95-47-6	0.00964	0.000996	0.000498	mg/kg	11.06.2019 16:00		1
Total Xylenes	1330-20-7	0.0393	0.000996	0.000498	mg/kg	11.06.2019 16:00		1
Total BTEX		0.0527	0.000996	0.000498	mg/kg	11.06.2019 16:00		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	127	%	70-130	11.06.2019 16:00	
1,4-Difluorobenzene	540-36-3	98	%	70-130	11.06.2019 16:00	



Certificate of Analytical Results 642191

GHD Services, INC- Midland, Midland, TX

Enlink Falcon CDP

Sample Id: **HA-3-3'**
Lab Sample Id: 642191-017

Matrix: Soil
Date Collected: 11.05.2019 14:40

Date Received: 11.06.2019 09:16
Sample Depth: 3 ft

Analytical Method: TPH By SW8015 Mod

Tech: DTH

Analyst: DTH

Seq Number: 3106741

Prep Method: SW8015P

% Moisture:

Date Prep: 11.06.2019 16:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	15.0	50.1	13.9	mg/kg	11.06.2019 18:51	J	1
Diesel Range Organics (DRO)	C10C28DRO	12.0	50.1	11.5	mg/kg	11.06.2019 18:51	J	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	27.1	50.1	11.5	mg/kg	11.06.2019 18:51	J	1
Total TPH	PHCG35	54.1	50.1	11.5	mg/kg	11.06.2019 18:51		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-135	11.06.2019 18:51	
o-Terphenyl	84-15-1	98	%	70-135	11.06.2019 18:51	

Analytical Method: BTEX by EPA 8021B

Tech: MAB

Analyst: MAB

Seq Number: 3106687

Prep Method: SW5030B

% Moisture:

Date Prep: 11.06.2019 09:40

Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000500	0.00100	0.000500	mg/kg	11.06.2019 13:57	U	1
Toluene	108-88-3	<0.000500	0.00100	0.000500	mg/kg	11.06.2019 13:57	U	1
Ethylbenzene	100-41-4	<0.000500	0.00100	0.000500	mg/kg	11.06.2019 13:57	U	1
m,p-Xylenes	179601-23-1	<0.00100	0.00200	0.00100	mg/kg	11.06.2019 13:57	U	1
o-Xylene	95-47-6	<0.000500	0.00100	0.000500	mg/kg	11.06.2019 13:57	U	1
Total Xylenes	1330-20-7	<0.000500	0.00100	0.000500	mg/kg	11.06.2019 13:57	U	1
Total BTEX		<0.000500	0.00100	0.000500	mg/kg	11.06.2019 13:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	107	%	70-130	11.06.2019 13:57	
1,4-Difluorobenzene	540-36-3	98	%	70-130	11.06.2019 13:57	



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.

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



GHD Services, INC- Midland

Enlink Falcon CDP

Analytical Method: TPH By SW8015 Mod

Seq Number: 3106741

MB Sample Id: 7689772-1-BLK

Matrix: Solid

LCS Sample Id: 7689772-1-BKS

Prep Method: SW8015P

Date Prep: 11.06.2019

LCSD Sample Id: 7689772-1-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)	<13.9	1000	815	82	814	81	70-135	0	35	mg/kg	11.06.2019 11:18	
Diesel Range Organics (DRO)	<11.5	1000	920	92	886	89	70-135	4	35	mg/kg	11.06.2019 11:18	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	97		102		103		70-135	%	11.06.2019 11:18
o-Terphenyl	111		109		105		70-135	%	11.06.2019 11:18

Analytical Method: TPH By SW8015 Mod

Seq Number: 3106741

Matrix: Solid

MB Sample Id: 7689772-1-BLK

Prep Method: SW8015P

Date Prep: 11.06.2019

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<11.5	mg/kg	11.06.2019 10:58	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3106741

Matrix: Soil

Parent Sample Id: 642191-001

MS Sample Id: 642191-001 S

Prep Method: SW8015P

Date Prep: 11.06.2019

MSD Sample Id: 642191-001 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)	15.9	1000	810	79	883	87	70-135	9	35	mg/kg	11.06.2019 12:17	
Diesel Range Organics (DRO)	18.1	1000	884	87	956	94	70-135	8	35	mg/kg	11.06.2019 12:17	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	103		109		70-135	%	11.06.2019 12:17
o-Terphenyl	103		113		70-135	%	11.06.2019 12:17

Analytical Method: BTEX by EPA 8021B

Seq Number: 3106687

Matrix: Solid

MB Sample Id: 7689764-1-BLK

LCS Sample Id: 7689764-1-BKS

Prep Method: SW5030B

Date Prep: 11.06.2019

LCSD Sample Id: 7689764-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000500	0.100	0.0975	98	0.103	103	70-130	5	35	mg/kg	11.06.2019 10:46	
Toluene	<0.000500	0.100	0.0975	98	0.104	104	70-130	6	35	mg/kg	11.06.2019 10:46	
Ethylbenzene	<0.000500	0.100	0.101	101	0.108	108	71-129	7	35	mg/kg	11.06.2019 10:46	
m,p-Xylenes	<0.00100	0.200	0.206	103	0.220	110	70-135	7	35	mg/kg	11.06.2019 10:46	
o-Xylene	<0.000500	0.100	0.103	103	0.110	110	71-133	7	35	mg/kg	11.06.2019 10:46	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	100		99		101		70-130	%	11.06.2019 10:46
4-Bromofluorobenzene	107		110		113		70-130	%	11.06.2019 10:46

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

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

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



GHD Services, INC- Midland
Enlink Falcon CDP

Analytical Method: BTEX by EPA 8021B

Seq Number: 3106690

Matrix: Solid

Prep Method: SW5030B

Date Prep: 11.06.2019

MB Sample Id: 7689767-1-BLK

LCS Sample Id: 7689767-1-BKS

LCSD Sample Id: 7689767-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000500	0.100	0.0931	93	0.0911	91	70-130	2	35	mg/kg	11.06.2019 11:12	
Toluene	<0.000500	0.100	0.0943	94	0.0930	93	70-130	1	35	mg/kg	11.06.2019 11:12	
Ethylbenzene	<0.000500	0.100	0.0950	95	0.0943	94	71-129	1	35	mg/kg	11.06.2019 11:12	
m,p-Xylenes	<0.00100	0.200	0.203	102	0.201	101	70-135	1	35	mg/kg	11.06.2019 11:12	
o-Xylene	<0.000500	0.100	0.100	100	0.0980	98	71-133	2	35	mg/kg	11.06.2019 11:12	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	95		98		96		70-130	%	11.06.2019 11:12
4-Bromofluorobenzene	104		105		100		70-130	%	11.06.2019 11:12

Analytical Method: BTEX by EPA 8021B

Seq Number: 3106690

Matrix: Soil

Prep Method: SW5030B

Date Prep: 11.06.2019

Parent Sample Id: 642182-001

MS Sample Id: 642182-001 S

MSD Sample Id: 642182-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000505	0.101	0.0640	63	0.0717	71	70-130	11	35	mg/kg	11.06.2019 11:50	X
Toluene	<0.000505	0.101	0.0805	80	0.0729	72	70-130	10	35	mg/kg	11.06.2019 11:50	
Ethylbenzene	<0.000505	0.101	0.0849	84	0.0723	72	71-129	16	35	mg/kg	11.06.2019 11:50	
m,p-Xylenes	<0.00101	0.202	0.173	86	0.155	77	70-135	11	35	mg/kg	11.06.2019 11:50	
o-Xylene	<0.000505	0.101	0.0841	83	0.0771	76	71-133	9	35	mg/kg	11.06.2019 11:50	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	88		100		70-130	%	11.06.2019 11:50
4-Bromofluorobenzene	109		118		70-130	%	11.06.2019 11:50

Analytical Method: BTEX by EPA 8021B

Seq Number: 3106687

Matrix: Soil

Prep Method: SW5030B

Date Prep: 11.06.2019

Parent Sample Id: 642191-017

MS Sample Id: 642191-017 S

MSD Sample Id: 642191-017 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000494	0.0988	0.0988	100	0.0793	79	70-130	22	35	mg/kg	11.06.2019 12:42	
Toluene	<0.000494	0.0988	0.101	102	0.0920	92	70-130	9	35	mg/kg	11.06.2019 12:42	
Ethylbenzene	<0.000494	0.0988	0.103	104	0.0939	94	71-129	9	35	mg/kg	11.06.2019 12:42	
m,p-Xylenes	<0.000988	0.198	0.211	107	0.194	97	70-135	8	35	mg/kg	11.06.2019 12:42	
o-Xylene	<0.000494	0.0988	0.105	106	0.0965	97	71-133	8	35	mg/kg	11.06.2019 12:42	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		95		70-130	%	11.06.2019 12:42
4-Bromofluorobenzene	114		119		70-130	%	11.06.2019 12:42

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C-A) / B$
 $RPD = 200 * |(C-E) / (C+E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

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

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



Chain of Custody

Work Order No: 1042-191

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 Crashtad, 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

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Project Manager:	Tom Larson	Bill to: (if different)	# GHD, MAF/Tom Larson
Company Name:	GHD Services	Company Name:	GHD Services LLC
Address:	2135 S Loop 250 W	Address:	2135 S Loop 250 W
City, State ZIP:	Midland TX 79703	City, State ZIP:	Midland TX 79703
Phone:	432 203 8671	Email:	Tom. @ghd.com

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

Project Name:	Enlink Falcon 60P	Turn Around	Pres. Code
Project Number:	NA	☐	
Project Location:	Lea	Rush: 1d-3	
Sample Name:	Jashun Pigg	Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT		Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐
Temperature (°C):	0.2	Thermometer ID	T-MU-001		
Received Intact:	Yes ☒ No ☐	Correction Factor:	-0.2		
Cooler Custody Seals:	Yes ☒ No ☐	Total Containers:	17		
Sample Custody Seals:	Yes ☒ No ☐				

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	ANALYSIS REQUEST														Preservative Codes	Sample Comments
SS-1-4"		S	11-5-19	1330	4"		BTEX 8021 B														MeOH: Me	
SS-2-4"				1335			TPH 8015														None: NO	
SS-3-4"				1340																	HNO3: HN	
SS-4-4"				1345																	H2SO4: H2	
SS-5-4"				1350																	HCL: HL	
SS-6-4"				1355																	NaOH: Na	
SS-7-4"				1400																	Zn Acetate+ NaOH: Zn	
SS-8-4"				1415																		
SS-9-4"				1420																		
SS-10-4"				1428																		

Total 200.7 / 6010 200.8 / 6020:

8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn

1631 / 245.1 / 7470 / 7471 : Hg

Circle Method(s) and Metal(s) to be analyzed

TCPLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U

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
		11/19/19 914			



Chain of Custody

Work Order No: 164191

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
 Phoenix, AZ (480) 355-0900 Atlanta, GA (770) 449-8800 Tampa, FL (813) 620-2000 West Palm Beach, FL (561) 689-6701

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Page 2 of 2

Project Manager:	Tom Larson	Bill to: (if different)	Tom Larson
Company Name:	GHD Services	Company Name:	GHD Services
Address:	2135 S Loop 250 W	Address:	2135 S Loop 250 W
City, State ZIP:	Midland, TX 79703	City, State ZIP:	Midland TX 79703
Phone:	432 203 8671	Email:	Tom.Larson@ghd.com

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

Project Name:	Enine Falcon CDP	Turn Around	☐
Project Number:	NA	Routine	☐
Project Location:	Lea	Rush:	24 hr
Sampler's Name:	Joshua Pigg	Due Date:	
PO #:		Quote #:	

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

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	ANALYSIS REQUEST	Preservative Codes	Sample Comments
TP-1-5'		S	11-4-19	1420	5'		BTEX 8021 B	MeOH: Me	
TP-1-7'		S		1425	7'		TPH 8015	None: NO	
TP-2-5'		S		1457	5'			HNO3: HN	
TP-2-10'		S		1520	10'			H2SO4: H2	
HA-1-3'		S	11-5-19	1500	3			HCL: HL	
HA-2-5'		S		1448	5			NaOH: Na	
HA-3-3'		S		1440	3			Zn Acetate+ NaOH: Zn	

Total 200.7 / 6010 200.8 / 6020:

Circle Method(s) and Metal(s) to be analyzed

8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Pb Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn
 TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U

1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenenco 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 Xenenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenenco, 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
		11/19/19			

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: GHD Services, INC- Midland

Date/ Time Received: 11.06.2019 09.16.00 AM

Work Order #: 642191

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T-NM-007

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	.2
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	Yes
#5 Custody Seals intact on sample bottles?	Yes
#6 *Custody Seals Signed and dated?	Yes
#7 *Chain of Custody present?	Yes
#8 Any missing/extra samples?	Yes
#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)?	No
#18 Water VOC samples have zero headspace?	N/A

Sampler said to disregard samples
"TP-2-2" and "TP-1-2"

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

Analyst:

PH Device/Lot#:

Checklist completed by:



Elizabeth McClellan

Date: 11.06.2019

Checklist reviewed by:



Debbie Simmons

Date: 11.06.2019



Certificate of Analysis Summary 648654

GHD Services, INC- Midland, Midland, TX

Project Name: Enlink Falcon

Project Id: 11205561
Contact: Tom Larson
Project Location:

Date Received in Lab: Fri 01.10.2020 11:19
Report Date: 01.21.2020 17:23
Project Manager: Debbie Simmons

<i>Analysis Requested</i>	<i>Lab Id:</i>	648654-001	648654-002	648654-003	648654-004	648654-005	648654-006
	<i>Field Id:</i>	SL-1 @ 1'	SL-2 @ 2'	SL-3 @ 2'	SL-4 @ 2.5'	SL-5 @ 2'	SL-6 @ 2'
	<i>Depth:</i>	1- ft	2- ft	2- ft	2.5- ft	2- ft	2- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	01.09.2020 12:00	01.09.2020 12:05	01.09.2020 12:10	01.09.2020 12:20	01.09.2020 12:30	01.09.2020 12:35
BTEX by EPA 8021B	<i>Extracted:</i>	01.18.2020 11:00	01.20.2020 17:00	01.20.2020 17:00	01.20.2020 17:00	01.20.2020 17:00	01.20.2020 17:00
	<i>Analyzed:</i>	01.19.2020 10:12	01.21.2020 07:32	01.21.2020 07:52	01.21.2020 08:12	01.21.2020 08:32	01.21.2020 08:52
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00201 0.00201	1.01 1.00	<0.00200 0.00200	1.12 0.992	0.437 0.198	0.423 0.198
Toluene		0.00422 0.00201	27.2 1.00	0.0244 0.00200	18.1 0.992	19.7 0.198	17.7 0.198
Ethylbenzene		0.00479 0.00201	5.74 1.00	0.131 0.00200	6.19 0.992	6.68 0.198	5.02 0.198
m,p-Xylenes		0.0833 0.00402	59.9 2.00	0.0749 0.00399	47.3 1.98	54.5 0.396	43.1 0.397
o-Xylene		0.0392 0.00201	15.3 1.00	0.351 0.00200	17.1 0.992	16.2 0.198	12.7 0.198
Total Xylenes		0.123 0.00201	75.2 1.00	0.426 0.00200	64.4 0.992	70.7 0.198	55.8 0.198
Total BTEX		0.132 0.00201	109 1.00	0.581 0.00200	89.8 0.992	97.5 0.198	78.9 0.198
TPH By SW8015 Mod	<i>Extracted:</i>	01.16.2020 11:00	01.16.2020 11:00	01.16.2020 11:00	01.16.2020 11:00	01.16.2020 11:00	01.16.2020 11:00
	<i>Analyzed:</i>	01.16.2020 13:56	01.16.2020 14:17	01.16.2020 14:37	01.17.2020 07:47	01.17.2020 08:08	01.16.2020 15:41
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		160 49.9	4270 49.9	281 49.8	5310 250	6270 250	4210 250
Diesel Range Organics (DRO)		615 49.9	6720 49.9	687 49.8	8110 250	9740 250	7640 250
Motor Oil Range Hydrocarbons (MRO)		54.4 49.9	549 49.9	83.6 49.8	846 250	866 250	886 250
Total TPH		829 49.9	11500 49.9	1050 49.8	14300 250	16900 250	12700 250

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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

Debbie Simmons
Project Manager



Certificate of Analysis Summary 648654

GHD Services, INC- Midland, Midland, TX

Project Name: Enlink Falcon

Project Id: 11205561
Contact: Tom Larson
Project Location:

Date Received in Lab: Fri 01.10.2020 11:19
Report Date: 01.21.2020 17:23
Project Manager: Debbie Simmons

<i>Analysis Requested</i>	<i>Lab Id:</i>	648654-007	648654-008	648654-009	648654-010	648654-011	648654-012
	<i>Field Id:</i>	SL-7 @ 1.5'	SL-8 @ 1.5'	SL-9 @ 1'	SL-10 @ 1.5'	SL-11 @ 1.5'	SL-12 @ 1.5'
	<i>Depth:</i>	1.5- ft	1.5- ft	1- ft	1.5- ft	1.5- ft	1.5- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	01.09.2020 12:40	01.09.2020 12:45	01.09.2020 12:50	01.09.2020 12:55	01.09.2020 13:05	01.09.2020 13:10
BTEX by EPA 8021B	<i>Extracted:</i>	01.20.2020 17:00	01.20.2020 17:00	01.20.2020 17:00	01.20.2020 17:00	01.20.2020 17:00	01.20.2020 17:00
	<i>Analyzed:</i>	01.21.2020 10:11	01.21.2020 10:31	01.21.2020 10:52	01.21.2020 11:12	01.21.2020 11:32	01.21.2020 11:52
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		0.662 0.200	0.394 0.202	<0.00202 0.00202	0.275 0.202	<0.198 0.198	<0.199 0.199
Toluene		18.8 0.200	14.2 0.202	0.00219 0.00202	9.59 0.202	5.92 0.198	5.73 0.199
Ethylbenzene		6.44 0.200	6.32 0.202	<0.00202 0.00202	4.05 0.202	3.37 0.198	2.87 0.199
m,p-Xylenes		54.6 0.400	52.9 0.404	0.00586 0.00403	36.1 0.403	36.8 0.397	27.6 0.398
o-Xylene		15.9 0.200	15.8 0.202	0.00386 0.00202	10.5 0.202	11.1 0.198	8.76 0.199
Total Xylenes		70.5 0.200	68.7 0.202	0.00972 0.00202	46.6 0.202	47.9 0.198	36.4 0.199
Total BTEX		96.4 0.200	89.6 0.202	0.0119 0.00202	60.5 0.202	57.2 0.198	45.0 0.199
TPH By SW8015 Mod	<i>Extracted:</i>	01.16.2020 11:00	01.16.2020 11:00	01.16.2020 11:00	01.16.2020 11:00	01.16.2020 11:00	01.16.2020 11:00
	<i>Analyzed:</i>	01.16.2020 16:22	01.16.2020 16:43	01.16.2020 17:04	01.16.2020 17:25	01.16.2020 17:46	01.16.2020 18:07
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		4830 249	5470 249	<50.0 50.0	2840 50.0	4470 250	2940 49.9
Diesel Range Organics (DRO)		7870 249	9520 249	<50.0 50.0	5790 50.0	9700 250	5600 49.9
Motor Oil Range Hydrocarbons (MRO)		731 249	881 249	<50.0 50.0	520 50.0	904 250	477 49.9
Total TPH		13400 249	15900 249	<50.0 50.0	9150 50.0	15100 250	9020 49.9

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Debbie Simmons
Project Manager



Certificate of Analysis Summary 648654

GHD Services, INC- Midland, Midland, TX

Project Name: Enlink Falcon

Project Id: 11205561
Contact: Tom Larson
Project Location:

Date Received in Lab: Fri 01.10.2020 11:19
Report Date: 01.21.2020 17:23
Project Manager: Debbie Simmons

Analysis Requested	Lab Id:	648654-013	648654-014	648654-015			
	Field Id:	SL-13 @ 1.5'	SL-14 @ 1.5'	SL-15 @ 1.5'			
	Depth:	1.5- ft	1.5- ft	1.5- ft			
	Matrix:	SOIL	SOIL	SOIL			
	Sampled:	01.09.2020 13:15	01.09.2020 13:20	01.09.2020 13:25			
BTEX by EPA 8021B	Extracted:	01.20.2020 17:00	01.20.2020 17:00	01.20.2020 17:00			
	Analyzed:	01.21.2020 12:12	01.21.2020 12:32	01.21.2020 12:52			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
Benzene		<0.00199 0.00199	0.584 0.200	<0.202 0.202			
Toluene		0.00613 0.00199	19.4 0.200	1.21 0.202			
Ethylbenzene		0.0224 0.00199	6.61 0.200	1.34 0.202			
m,p-Xylenes		0.342 0.00398	52.4 0.400	14.3 0.403			
o-Xylene		0.136 0.00199	15.6 0.200	4.81 0.202			
Total Xylenes		0.478 0.00199	68.0 0.200	19.1 0.202			
Total BTEX		0.507 0.00199	94.6 0.200	21.7 0.202			
TPH By SW8015 Mod	Extracted:	01.16.2020 11:00	01.16.2020 11:00	01.16.2020 11:00			
	Analyzed:	01.16.2020 18:28	01.16.2020 18:49	01.16.2020 19:10			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
Gasoline Range Hydrocarbons (GRO)		167 49.9	7430 250	2510 249			
Diesel Range Organics (DRO)		614 49.9	12900 250	6280 249			
Motor Oil Range Hydrocarbons (MRO)		78.4 49.9	1140 250	581 249			
Total TPH		859 49.9	21500 250	9370 249			

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Debbie Simmons
Project Manager



Analytical Report 648654

for

GHD Services, INC- Midland

Project Manager: Tom Larson

Enlink Falcon

11205561

01.21.2020

Collected By: Client



**1211 W. Florida Ave
Midland TX 79701**

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

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

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



01.21.2020

Project Manager: **Tom Larson**
GHD Services, INC- Midland
2135 S Loop 250 W
Midland, TX 79703

Reference: XENCO Report No(s): **648654**
Enlink Falcon
Project Address:

Tom Larson:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 648654. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 648654 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

A handwritten signature in black ink that reads 'Debbie Simmons'. The signature is written in a cursive, flowing style.

Debbie Simmons
Project Manager

A Small Business and Minority Company

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

**Sample Cross Reference 648654****GHD Services, INC- Midland, Midland, TX**

Enlink Falcon

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SL-1 @ 1'	S	01.09.2020 12:00	1 ft	648654-001
SL-2 @ 2'	S	01.09.2020 12:05	2 ft	648654-002
SL-3 @ 2'	S	01.09.2020 12:10	2 ft	648654-003
SL-4 @ 2.5'	S	01.09.2020 12:20	2.5 ft	648654-004
SL-5 @ 2'	S	01.09.2020 12:30	2 ft	648654-005
SL-6 @ 2'	S	01.09.2020 12:35	2 ft	648654-006
SL-7 @ 1.5'	S	01.09.2020 12:40	1.5 ft	648654-007
SL-8 @ 1.5'	S	01.09.2020 12:45	1.5 ft	648654-008
SL-9 @ 1'	S	01.09.2020 12:50	1 ft	648654-009
SL-10 @ 1.5'	S	01.09.2020 12:55	1.5 ft	648654-010
SL-11 @ 1.5'	S	01.09.2020 13:05	1.5 ft	648654-011
SL-12 @ 1.5'	S	01.09.2020 13:10	1.5 ft	648654-012
SL-13 @ 1.5'	S	01.09.2020 13:15	1.5 ft	648654-013
SL-14 @ 1.5'	S	01.09.2020 13:20	1.5 ft	648654-014
SL-15 @ 1.5'	S	01.09.2020 13:25	1.5 ft	648654-015

**CASE NARRATIVE****Client Name: GHD Services, INC- Midland****Project Name: Enlink Falcon**Project ID: 11205561
Work Order Number(s): 648654Report Date: 01.21.2020
Date Received: 01.10.2020**Sample receipt non conformances and comments:****Sample receipt non conformances and comments per sample:**

None

Analytical non conformances and comments:

Batch: LBA-3113778 BTEX by EPA 8021B

Lab Sample ID 648654-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Toluene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Benzene, Ethylbenzene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 648654-001.

The Laboratory Control Sample for Toluene, Benzene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected. Samples affected are: 648654-001 S, 648654-001.

Benzene, Ethylbenzene, m,p-Xylenes, o-Xylene Relative Percent Difference (RPD) between matrix spike and duplicate were above quality control limits.

Samples in the analytical batch are: 648654-001

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3113912 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected.

Samples affected are: 648654-003, 648654-005, 648654-006, 648654-007, 648654-008, 648654-015, 648654-011, 648654-012, 648654-013, 648654-014, 648654-010.



Certificate of Analytical Results 648654

GHD Services, INC- Midland, Midland, TX

Enlink Falcon

Sample Id: **SL-1 @ 1'**
Lab Sample Id: 648654-001

Matrix: Soil
Date Collected: 01.09.2020 12:00

Date Received: 01.10.2020 11:19
Sample Depth: 1 ft

Analytical Method: TPH By SW8015 Mod

Tech: DVM

Analyst: ARM

Seq Number: 3113633

Date Prep: 01.16.2020 11:00

Prep Method: SW8015P

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	160	49.9	mg/kg	01.16.2020 13:56		1
Diesel Range Organics (DRO)	C10C28DRO	615	49.9	mg/kg	01.16.2020 13:56		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	54.4	49.9	mg/kg	01.16.2020 13:56		1
Total TPH	PHCG35	829	49.9	mg/kg	01.16.2020 13:56		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	01.16.2020 13:56	
o-Terphenyl	84-15-1	111	%	70-135	01.16.2020 13:56	

Analytical Method: BTEX by EPA 8021B

Tech: KTL

Analyst: KTL

Seq Number: 3113778

Date Prep: 01.18.2020 11:00

Prep Method: SW5030B

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.19.2020 10:12	U	1
Toluene	108-88-3	0.00422	0.00201	mg/kg	01.19.2020 10:12		1
Ethylbenzene	100-41-4	0.00479	0.00201	mg/kg	01.19.2020 10:12		1
m,p-Xylenes	179601-23-1	0.0833	0.00402	mg/kg	01.19.2020 10:12		1
o-Xylene	95-47-6	0.0392	0.00201	mg/kg	01.19.2020 10:12		1
Total Xylenes	1330-20-7	0.123	0.00201	mg/kg	01.19.2020 10:12		1
Total BTEX		0.132	0.00201	mg/kg	01.19.2020 10:12		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	92	%	70-130	01.19.2020 10:12	
4-Bromofluorobenzene	460-00-4	133	%	70-130	01.19.2020 10:12	**



Certificate of Analytical Results 648654

GHD Services, INC- Midland, Midland, TX

Enlink Falcon

Sample Id: **SL-2 @ 2'**

Matrix: **Soil**

Date Received: 01.10.2020 11:19

Lab Sample Id: 648654-002

Date Collected: 01.09.2020 12:05

Sample Depth: 2 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: **DVM**

% Moisture:

Analyst: **ARM**

Date Prep: 01.16.2020 11:00

Basis: **Wet Weight**

Seq Number: 3113633

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	4270	49.9	mg/kg	01.16.2020 14:17		1
Diesel Range Organics (DRO)	C10C28DRO	6720	49.9	mg/kg	01.16.2020 14:17		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	549	49.9	mg/kg	01.16.2020 14:17		1
Total TPH	PHCG35	11500	49.9	mg/kg	01.16.2020 14:17		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	121	%	70-135	01.16.2020 14:17	
o-Terphenyl	84-15-1	84	%	70-135	01.16.2020 14:17	

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: **KTL**

% Moisture:

Analyst: **KTL**

Date Prep: 01.20.2020 17:00

Basis: **Wet Weight**

Seq Number: 3113912

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	1.01	1.00	mg/kg	01.21.2020 07:32		500
Toluene	108-88-3	27.2	1.00	mg/kg	01.21.2020 07:32		500
Ethylbenzene	100-41-4	5.74	1.00	mg/kg	01.21.2020 07:32		500
m,p-Xylenes	179601-23-1	59.9	2.00	mg/kg	01.21.2020 07:32		500
o-Xylene	95-47-6	15.3	1.00	mg/kg	01.21.2020 07:32		500
Total Xylenes	1330-20-7	75.2	1.00	mg/kg	01.21.2020 07:32		500
Total BTEX		109	1.00	mg/kg	01.21.2020 07:32		500

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	119	%	70-130	01.21.2020 07:32	
1,4-Difluorobenzene	540-36-3	96	%	70-130	01.21.2020 07:32	



Certificate of Analytical Results 648654

GHD Services, INC- Midland, Midland, TX

Enlink Falcon

Sample Id: **SL-3 @ 2'**

Matrix: Soil

Date Received: 01.10.2020 11:19

Lab Sample Id: 648654-003

Date Collected: 01.09.2020 12:10

Sample Depth: 2 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 01.16.2020 11:00

Basis: Wet Weight

Seq Number: 3113633

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	281	49.8	mg/kg	01.16.2020 14:37		1
Diesel Range Organics (DRO)	C10C28DRO	687	49.8	mg/kg	01.16.2020 14:37		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	83.6	49.8	mg/kg	01.16.2020 14:37		1
Total TPH	PHCG35	1050	49.8	mg/kg	01.16.2020 14:37		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	120	%	70-135	01.16.2020 14:37	
o-Terphenyl	84-15-1	116	%	70-135	01.16.2020 14:37	

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 01.20.2020 17:00

Basis: Wet Weight

Seq Number: 3113912

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.21.2020 07:52	U	1
Toluene	108-88-3	0.0244	0.00200	mg/kg	01.21.2020 07:52		1
Ethylbenzene	100-41-4	0.131	0.00200	mg/kg	01.21.2020 07:52		1
m,p-Xylenes	179601-23-1	0.0749	0.00399	mg/kg	01.21.2020 07:52		1
o-Xylene	95-47-6	0.351	0.00200	mg/kg	01.21.2020 07:52		1
Total Xylenes	1330-20-7	0.426	0.00200	mg/kg	01.21.2020 07:52		1
Total BTEX		0.581	0.00200	mg/kg	01.21.2020 07:52		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	97	%	70-130	01.21.2020 07:52	
4-Bromofluorobenzene	460-00-4	300	%	70-130	01.21.2020 07:52	**



Certificate of Analytical Results 648654

GHD Services, INC- Midland, Midland, TX

Enlink Falcon

Sample Id: **SL-4 @ 2.5'**

Matrix: Soil

Date Received: 01.10.2020 11:19

Lab Sample Id: 648654-004

Date Collected: 01.09.2020 12:20

Sample Depth: 2.5 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 01.16.2020 11:00

Basis: Wet Weight

Seq Number: 3113633

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	5310	250	mg/kg	01.17.2020 07:47		5
Diesel Range Organics (DRO)	C10C28DRO	8110	250	mg/kg	01.17.2020 07:47		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	846	250	mg/kg	01.17.2020 07:47		5
Total TPH	PHCG35	14300	250	mg/kg	01.17.2020 07:47		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	127	%	70-135	01.17.2020 07:47	
o-Terphenyl	84-15-1	109	%	70-135	01.17.2020 07:47	

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 01.20.2020 17:00

Basis: Wet Weight

Seq Number: 3113912

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	1.12	0.992	mg/kg	01.21.2020 08:12		500
Toluene	108-88-3	18.1	0.992	mg/kg	01.21.2020 08:12		500
Ethylbenzene	100-41-4	6.19	0.992	mg/kg	01.21.2020 08:12		500
m,p-Xylenes	179601-23-1	47.3	1.98	mg/kg	01.21.2020 08:12		500
o-Xylene	95-47-6	17.1	0.992	mg/kg	01.21.2020 08:12		500
Total Xylenes	1330-20-7	64.4	0.992	mg/kg	01.21.2020 08:12		500
Total BTEX		89.8	0.992	mg/kg	01.21.2020 08:12		500

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	130	%	70-130	01.21.2020 08:12	
1,4-Difluorobenzene	540-36-3	98	%	70-130	01.21.2020 08:12	



Certificate of Analytical Results 648654

GHD Services, INC- Midland, Midland, TX

Enlink Falcon

Sample Id: **SL-5 @ 2'**

Matrix: **Soil**

Date Received: 01.10.2020 11:19

Lab Sample Id: 648654-005

Date Collected: 01.09.2020 12:30

Sample Depth: 2 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: **DVM**

% Moisture:

Analyst: **ARM**

Date Prep: 01.16.2020 11:00

Basis: **Wet Weight**

Seq Number: 3113633

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	6270	250	mg/kg	01.17.2020 08:08		5
Diesel Range Organics (DRO)	C10C28DRO	9740	250	mg/kg	01.17.2020 08:08		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	866	250	mg/kg	01.17.2020 08:08		5
Total TPH	PHCG35	16900	250	mg/kg	01.17.2020 08:08		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	128	%	70-135	01.17.2020 08:08	
o-Terphenyl	84-15-1	109	%	70-135	01.17.2020 08:08	

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: **KTL**

% Moisture:

Analyst: **KTL**

Date Prep: 01.20.2020 17:00

Basis: **Wet Weight**

Seq Number: 3113912

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	0.437	0.198	mg/kg	01.21.2020 08:32		100
Toluene	108-88-3	19.7	0.198	mg/kg	01.21.2020 08:32		100
Ethylbenzene	100-41-4	6.68	0.198	mg/kg	01.21.2020 08:32		100
m,p-Xylenes	179601-23-1	54.5	0.396	mg/kg	01.21.2020 08:32		100
o-Xylene	95-47-6	16.2	0.198	mg/kg	01.21.2020 08:32		100
Total Xylenes	1330-20-7	70.7	0.198	mg/kg	01.21.2020 08:32		100
Total BTEX		97.5	0.198	mg/kg	01.21.2020 08:32		100

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	01.21.2020 08:32	
4-Bromofluorobenzene	460-00-4	224	%	70-130	01.21.2020 08:32	**



Certificate of Analytical Results 648654

GHD Services, INC- Midland, Midland, TX

Enlink Falcon

Sample Id: **SL-6 @ 2'**

Matrix: Soil

Date Received: 01.10.2020 11:19

Lab Sample Id: 648654-006

Date Collected: 01.09.2020 12:35

Sample Depth: 2 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 01.16.2020 11:00

Basis: Wet Weight

Seq Number: 3113633

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	4210	250	mg/kg	01.16.2020 15:41		5
Diesel Range Organics (DRO)	C10C28DRO	7640	250	mg/kg	01.16.2020 15:41		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	886	250	mg/kg	01.16.2020 15:41		5
Total TPH	PHCG35	12700	250	mg/kg	01.16.2020 15:41		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	128	%	70-135	01.16.2020 15:41	
o-Terphenyl	84-15-1	115	%	70-135	01.16.2020 15:41	

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 01.20.2020 17:00

Basis: Wet Weight

Seq Number: 3113912

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	0.423	0.198	mg/kg	01.21.2020 08:52		100
Toluene	108-88-3	17.7	0.198	mg/kg	01.21.2020 08:52		100
Ethylbenzene	100-41-4	5.02	0.198	mg/kg	01.21.2020 08:52		100
m,p-Xylenes	179601-23-1	43.1	0.397	mg/kg	01.21.2020 08:52		100
o-Xylene	95-47-6	12.7	0.198	mg/kg	01.21.2020 08:52		100
Total Xylenes	1330-20-7	55.8	0.198	mg/kg	01.21.2020 08:52		100
Total BTEX		78.9	0.198	mg/kg	01.21.2020 08:52		100

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.21.2020 08:52	
4-Bromofluorobenzene	460-00-4	215	%	70-130	01.21.2020 08:52	**



Certificate of Analytical Results 648654

GHD Services, INC- Midland, Midland, TX

Enlink Falcon

Sample Id: **SL-7 @ 1.5'**

Matrix: Soil

Date Received: 01.10.2020 11:19

Lab Sample Id: 648654-007

Date Collected: 01.09.2020 12:40

Sample Depth: 1.5 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 01.16.2020 11:00

Basis: Wet Weight

Seq Number: 3113633

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	4830	249	mg/kg	01.16.2020 16:22		5
Diesel Range Organics (DRO)	C10C28DRO	7870	249	mg/kg	01.16.2020 16:22		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	731	249	mg/kg	01.16.2020 16:22		5
Total TPH	PHCG35	13400	249	mg/kg	01.16.2020 16:22		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	120	%	70-135	01.16.2020 16:22	
o-Terphenyl	84-15-1	107	%	70-135	01.16.2020 16:22	

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 01.20.2020 17:00

Basis: Wet Weight

Seq Number: 3113912

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	0.662	0.200	mg/kg	01.21.2020 10:11		100
Toluene	108-88-3	18.8	0.200	mg/kg	01.21.2020 10:11		100
Ethylbenzene	100-41-4	6.44	0.200	mg/kg	01.21.2020 10:11		100
m,p-Xylenes	179601-23-1	54.6	0.400	mg/kg	01.21.2020 10:11		100
o-Xylene	95-47-6	15.9	0.200	mg/kg	01.21.2020 10:11		100
Total Xylenes	1330-20-7	70.5	0.200	mg/kg	01.21.2020 10:11		100
Total BTEX		96.4	0.200	mg/kg	01.21.2020 10:11		100

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	220	%	70-130	01.21.2020 10:11	**
1,4-Difluorobenzene	540-36-3	97	%	70-130	01.21.2020 10:11	



Certificate of Analytical Results 648654

GHD Services, INC- Midland, Midland, TX

Enlink Falcon

Sample Id: **SL-8 @ 1.5'**

Matrix: Soil

Date Received: 01.10.2020 11:19

Lab Sample Id: 648654-008

Date Collected: 01.09.2020 12:45

Sample Depth: 1.5 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 01.16.2020 11:00

Basis: Wet Weight

Seq Number: 3113633

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	5470	249	mg/kg	01.16.2020 16:43		5
Diesel Range Organics (DRO)	C10C28DRO	9520	249	mg/kg	01.16.2020 16:43		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	881	249	mg/kg	01.16.2020 16:43		5
Total TPH	PHCG35	15900	249	mg/kg	01.16.2020 16:43		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	123	%	70-135	01.16.2020 16:43	
o-Terphenyl	84-15-1	101	%	70-135	01.16.2020 16:43	

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 01.20.2020 17:00

Basis: Wet Weight

Seq Number: 3113912

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	0.394	0.202	mg/kg	01.21.2020 10:31		100
Toluene	108-88-3	14.2	0.202	mg/kg	01.21.2020 10:31		100
Ethylbenzene	100-41-4	6.32	0.202	mg/kg	01.21.2020 10:31		100
m,p-Xylenes	179601-23-1	52.9	0.404	mg/kg	01.21.2020 10:31		100
o-Xylene	95-47-6	15.8	0.202	mg/kg	01.21.2020 10:31		100
Total Xylenes	1330-20-7	68.7	0.202	mg/kg	01.21.2020 10:31		100
Total BTEX		89.6	0.202	mg/kg	01.21.2020 10:31		100

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	218	%	70-130	01.21.2020 10:31	**
1,4-Difluorobenzene	540-36-3	98	%	70-130	01.21.2020 10:31	



Certificate of Analytical Results 648654

GHD Services, INC- Midland, Midland, TX

Enlink Falcon

Sample Id: **SL-9 @ 1'**

Matrix: Soil

Date Received: 01.10.2020 11:19

Lab Sample Id: 648654-009

Date Collected: 01.09.2020 12:50

Sample Depth: 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 01.16.2020 11:00

Basis: Wet Weight

Seq Number: 3113633

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.16.2020 17:04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.16.2020 17:04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.16.2020 17:04	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.16.2020 17:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	01.16.2020 17:04	
o-Terphenyl	84-15-1	102	%	70-135	01.16.2020 17:04	

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 01.20.2020 17:00

Basis: Wet Weight

Seq Number: 3113912

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.21.2020 10:52	U	1
Toluene	108-88-3	0.00219	0.00202	mg/kg	01.21.2020 10:52		1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.21.2020 10:52	U	1
m,p-Xylenes	179601-23-1	0.00586	0.00403	mg/kg	01.21.2020 10:52		1
o-Xylene	95-47-6	0.00386	0.00202	mg/kg	01.21.2020 10:52		1
Total Xylenes	1330-20-7	0.00972	0.00202	mg/kg	01.21.2020 10:52		1
Total BTEX		0.0119	0.00202	mg/kg	01.21.2020 10:52		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	01.21.2020 10:52	
1,4-Difluorobenzene	540-36-3	109	%	70-130	01.21.2020 10:52	



Certificate of Analytical Results 648654

GHD Services, INC- Midland, Midland, TX

Enlink Falcon

Sample Id: **SL-10 @ 1.5'**

Matrix: Soil

Date Received: 01.10.2020 11:19

Lab Sample Id: 648654-010

Date Collected: 01.09.2020 12:55

Sample Depth: 1.5 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 01.16.2020 11:00

Basis: Wet Weight

Seq Number: 3113633

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	2840	50.0	mg/kg	01.16.2020 17:25		1
Diesel Range Organics (DRO)	C10C28DRO	5790	50.0	mg/kg	01.16.2020 17:25		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	520	50.0	mg/kg	01.16.2020 17:25		1
Total TPH	PHCG35	9150	50.0	mg/kg	01.16.2020 17:25		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	124	%	70-135	01.16.2020 17:25	
o-Terphenyl	84-15-1	102	%	70-135	01.16.2020 17:25	

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 01.20.2020 17:00

Basis: Wet Weight

Seq Number: 3113912

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	0.275	0.202	mg/kg	01.21.2020 11:12		100
Toluene	108-88-3	9.59	0.202	mg/kg	01.21.2020 11:12		100
Ethylbenzene	100-41-4	4.05	0.202	mg/kg	01.21.2020 11:12		100
m,p-Xylenes	179601-23-1	36.1	0.403	mg/kg	01.21.2020 11:12		100
o-Xylene	95-47-6	10.5	0.202	mg/kg	01.21.2020 11:12		100
Total Xylenes	1330-20-7	46.6	0.202	mg/kg	01.21.2020 11:12		100
Total BTEX		60.5	0.202	mg/kg	01.21.2020 11:12		100

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	187	%	70-130	01.21.2020 11:12	**
1,4-Difluorobenzene	540-36-3	95	%	70-130	01.21.2020 11:12	



Certificate of Analytical Results 648654

GHD Services, INC- Midland, Midland, TX

Enlink Falcon

Sample Id: **SL-11 @ 1.5'**

Matrix: Soil

Date Received: 01.10.2020 11:19

Lab Sample Id: 648654-011

Date Collected: 01.09.2020 13:05

Sample Depth: 1.5 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 01.16.2020 11:00

Basis: Wet Weight

Seq Number: 3113633

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	4470	250	mg/kg	01.16.2020 17:46		5
Diesel Range Organics (DRO)	C10C28DRO	9700	250	mg/kg	01.16.2020 17:46		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	904	250	mg/kg	01.16.2020 17:46		5
Total TPH	PHCG35	15100	250	mg/kg	01.16.2020 17:46		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	125	%	70-135	01.16.2020 17:46	
o-Terphenyl	84-15-1	111	%	70-135	01.16.2020 17:46	

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 01.20.2020 17:00

Basis: Wet Weight

Seq Number: 3113912

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.198	0.198	mg/kg	01.21.2020 11:32	U	100
Toluene	108-88-3	5.92	0.198	mg/kg	01.21.2020 11:32		100
Ethylbenzene	100-41-4	3.37	0.198	mg/kg	01.21.2020 11:32		100
m,p-Xylenes	179601-23-1	36.8	0.397	mg/kg	01.21.2020 11:32		100
o-Xylene	95-47-6	11.1	0.198	mg/kg	01.21.2020 11:32		100
Total Xylenes	1330-20-7	47.9	0.198	mg/kg	01.21.2020 11:32		100
Total BTEX		57.2	0.198	mg/kg	01.21.2020 11:32		100

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	200	%	70-130	01.21.2020 11:32	**
1,4-Difluorobenzene	540-36-3	96	%	70-130	01.21.2020 11:32	



Certificate of Analytical Results 648654

GHD Services, INC- Midland, Midland, TX

Enlink Falcon

Sample Id: **SL-12 @ 1.5'**

Matrix: Soil

Date Received: 01.10.2020 11:19

Lab Sample Id: 648654-012

Date Collected: 01.09.2020 13:10

Sample Depth: 1.5 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 01.16.2020 11:00

Basis: Wet Weight

Seq Number: 3113633

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	2940	49.9	mg/kg	01.16.2020 18:07		1
Diesel Range Organics (DRO)	C10C28DRO	5600	49.9	mg/kg	01.16.2020 18:07		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	477	49.9	mg/kg	01.16.2020 18:07		1
Total TPH	PHCG35	9020	49.9	mg/kg	01.16.2020 18:07		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	128	%	70-135	01.16.2020 18:07	
o-Terphenyl	84-15-1	110	%	70-135	01.16.2020 18:07	

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 01.20.2020 17:00

Basis: Wet Weight

Seq Number: 3113912

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.199	0.199	mg/kg	01.21.2020 11:52	U	100
Toluene	108-88-3	5.73	0.199	mg/kg	01.21.2020 11:52		100
Ethylbenzene	100-41-4	2.87	0.199	mg/kg	01.21.2020 11:52		100
m,p-Xylenes	179601-23-1	27.6	0.398	mg/kg	01.21.2020 11:52		100
o-Xylene	95-47-6	8.76	0.199	mg/kg	01.21.2020 11:52		100
Total Xylenes	1330-20-7	36.4	0.199	mg/kg	01.21.2020 11:52		100
Total BTEX		45.0	0.199	mg/kg	01.21.2020 11:52		100

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	189	%	70-130	01.21.2020 11:52	**
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.21.2020 11:52	



Certificate of Analytical Results 648654

GHD Services, INC- Midland, Midland, TX

Enlink Falcon

Sample Id: **SL-13 @ 1.5'**

Matrix: Soil

Date Received: 01.10.2020 11:19

Lab Sample Id: 648654-013

Date Collected: 01.09.2020 13:15

Sample Depth: 1.5 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 01.16.2020 11:00

Basis: Wet Weight

Seq Number: 3113633

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	167	49.9	mg/kg	01.16.2020 18:28		1
Diesel Range Organics (DRO)	C10C28DRO	614	49.9	mg/kg	01.16.2020 18:28		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	78.4	49.9	mg/kg	01.16.2020 18:28		1
Total TPH	PHCG35	859	49.9	mg/kg	01.16.2020 18:28		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	01.16.2020 18:28	
o-Terphenyl	84-15-1	118	%	70-135	01.16.2020 18:28	

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 01.20.2020 17:00

Basis: Wet Weight

Seq Number: 3113912

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.21.2020 12:12	U	1
Toluene	108-88-3	0.00613	0.00199	mg/kg	01.21.2020 12:12		1
Ethylbenzene	100-41-4	0.0224	0.00199	mg/kg	01.21.2020 12:12		1
m,p-Xylenes	179601-23-1	0.342	0.00398	mg/kg	01.21.2020 12:12		1
o-Xylene	95-47-6	0.136	0.00199	mg/kg	01.21.2020 12:12		1
Total Xylenes	1330-20-7	0.478	0.00199	mg/kg	01.21.2020 12:12		1
Total BTEX		0.507	0.00199	mg/kg	01.21.2020 12:12		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	91	%	70-130	01.21.2020 12:12	
4-Bromofluorobenzene	460-00-4	233	%	70-130	01.21.2020 12:12	**



Certificate of Analytical Results 648654

GHD Services, INC- Midland, Midland, TX

Enlink Falcon

Sample Id: **SL-14 @ 1.5'**

Matrix: Soil

Date Received: 01.10.2020 11:19

Lab Sample Id: 648654-014

Date Collected: 01.09.2020 13:20

Sample Depth: 1.5 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 01.16.2020 11:00

Basis: Wet Weight

Seq Number: 3113633

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	7430	250	mg/kg	01.16.2020 18:49		5
Diesel Range Organics (DRO)	C10C28DRO	12900	250	mg/kg	01.16.2020 18:49		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	1140	250	mg/kg	01.16.2020 18:49		5
Total TPH	PHCG35	21500	250	mg/kg	01.16.2020 18:49		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	130	%	70-135	01.16.2020 18:49	
o-Terphenyl	84-15-1	124	%	70-135	01.16.2020 18:49	

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 01.20.2020 17:00

Basis: Wet Weight

Seq Number: 3113912

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	0.584	0.200	mg/kg	01.21.2020 12:32		100
Toluene	108-88-3	19.4	0.200	mg/kg	01.21.2020 12:32		100
Ethylbenzene	100-41-4	6.61	0.200	mg/kg	01.21.2020 12:32		100
m,p-Xylenes	179601-23-1	52.4	0.400	mg/kg	01.21.2020 12:32		100
o-Xylene	95-47-6	15.6	0.200	mg/kg	01.21.2020 12:32		100
Total Xylenes	1330-20-7	68.0	0.200	mg/kg	01.21.2020 12:32		100
Total BTEX		94.6	0.200	mg/kg	01.21.2020 12:32		100

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	224	%	70-130	01.21.2020 12:32	**
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.21.2020 12:32	



Certificate of Analytical Results 648654

GHD Services, INC- Midland, Midland, TX

Enlink Falcon

Sample Id: **SL-15 @ 1.5'**

Matrix: Soil

Date Received: 01.10.2020 11:19

Lab Sample Id: 648654-015

Date Collected: 01.09.2020 13:25

Sample Depth: 1.5 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 01.16.2020 11:00

Basis: Wet Weight

Seq Number: 3113633

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	2510	249	mg/kg	01.16.2020 19:10		5
Diesel Range Organics (DRO)	C10C28DRO	6280	249	mg/kg	01.16.2020 19:10		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	581	249	mg/kg	01.16.2020 19:10		5
Total TPH	PHCG35	9370	249	mg/kg	01.16.2020 19:10		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	128	%	70-135	01.16.2020 19:10	
o-Terphenyl	84-15-1	119	%	70-135	01.16.2020 19:10	

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 01.20.2020 17:00

Basis: Wet Weight

Seq Number: 3113912

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.202	0.202	mg/kg	01.21.2020 12:52	U	100
Toluene	108-88-3	1.21	0.202	mg/kg	01.21.2020 12:52		100
Ethylbenzene	100-41-4	1.34	0.202	mg/kg	01.21.2020 12:52		100
m,p-Xylenes	179601-23-1	14.3	0.403	mg/kg	01.21.2020 12:52		100
o-Xylene	95-47-6	4.81	0.202	mg/kg	01.21.2020 12:52		100
Total Xylenes	1330-20-7	19.1	0.202	mg/kg	01.21.2020 12:52		100
Total BTEX		21.7	0.202	mg/kg	01.21.2020 12:52		100

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	158	%	70-130	01.21.2020 12:52	**
1,4-Difluorobenzene	540-36-3	93	%	70-130	01.21.2020 12:52	



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



GHD Services, INC- Midland Enlink Falcon

Analytical Method: TPH By SW8015 Mod

Seq Number: 3113633

MB Sample Id: 7694529-1-BLK

Matrix: Solid

LCS Sample Id: 7694529-1-BKS

Prep Method: SW8015P

Date Prep: 01.16.2020

LCSD Sample Id: 7694529-1-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)	<15.0	1000	1050	105	1030	103	70-135	2	20	mg/kg	01.16.2020 11:09	
Diesel Range Organics (DRO)	<15.0	1000	948	95	921	92	70-135	3	20	mg/kg	01.16.2020 11:09	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	106		115		111		70-135	%	01.16.2020 11:09
o-Terphenyl	113		112		108		70-135	%	01.16.2020 11:09

Analytical Method: TPH By SW8015 Mod

Seq Number: 3113633

Matrix: Solid

MB Sample Id: 7694529-1-BLK

Prep Method: SW8015P

Date Prep: 01.16.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.16.2020 10:48	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3113633

Matrix: Soil

Parent Sample Id: 648839-001

MS Sample Id: 648839-001 S

Prep Method: SW8015P

Date Prep: 01.16.2020

MSD Sample Id: 648839-001 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)	58.0	997	970	91	1020	96	70-135	5	20	mg/kg	01.16.2020 12:11	
Diesel Range Organics (DRO)	423	997	1320	90	1330	91	70-135	1	20	mg/kg	01.16.2020 12:11	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	106		111		70-135	%	01.16.2020 12:11
o-Terphenyl	90		109		70-135	%	01.16.2020 12:11

Analytical Method: BTEX by EPA 8021B

Seq Number: 3113778

Matrix: Solid

MB Sample Id: 7694719-1-BLK

LCS Sample Id: 7694719-1-BKS

Prep Method: SW5030B

Date Prep: 01.18.2020

LCSD Sample Id: 7694719-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000385	0.100	0.101	101	0.104	104	70-130	3	35	mg/kg	01.19.2020 07:53	
Toluene	0.00193	0.100	0.0945	95	0.0928	93	70-130	2	35	mg/kg	01.19.2020 07:53	
Ethylbenzene	<0.000565	0.100	0.0849	85	0.0851	85	70-130	0	35	mg/kg	01.19.2020 07:53	
m,p-Xylenes	0.00137	0.200	0.166	83	0.166	83	70-130	0	35	mg/kg	01.19.2020 07:53	
o-Xylene	<0.000344	0.100	0.0858	86	0.0856	86	70-130	0	35	mg/kg	01.19.2020 07:53	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	109		109		111		70-130	%	01.19.2020 07:53
4-Bromofluorobenzene	81		91		89		70-130	%	01.19.2020 07:53

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

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

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



GHD Services, INC- Midland Enlink Falcon

Analytical Method: BTEX by EPA 8021B

Seq Number: 3113912

MB Sample Id: 7694758-1-BLK

Matrix: Solid

LCS Sample Id: 7694758-1-BKS

Prep Method: SW5030B

Date Prep: 01.20.2020

LCSD Sample Id: 7694758-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000385	0.100	0.110	110	0.114	114	70-130	4	35	mg/kg	01.21.2020 03:32	
Toluene	<0.000456	0.100	0.0955	96	0.0995	100	70-130	4	35	mg/kg	01.21.2020 03:32	
Ethylbenzene	<0.000565	0.100	0.0882	88	0.0916	92	70-130	4	35	mg/kg	01.21.2020 03:32	
m,p-Xylenes	<0.00101	0.200	0.171	86	0.179	90	70-130	5	35	mg/kg	01.21.2020 03:32	
o-Xylene	<0.000344	0.100	0.0865	87	0.0902	90	70-130	4	35	mg/kg	01.21.2020 03:32	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		105		106		70-130	%	01.21.2020 03:32
4-Bromofluorobenzene	74		89		91		70-130	%	01.21.2020 03:32

Analytical Method: BTEX by EPA 8021B

Seq Number: 3113778

Parent Sample Id: 648654-001

Matrix: Soil

MS Sample Id: 648654-001 S

Prep Method: SW5030B

Date Prep: 01.18.2020

MSD Sample Id: 648654-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	0.000803	0.0998	0.0717	71	0.0469	46	70-130	42	35	mg/kg	01.19.2020 08:34	XF
Toluene	0.00422	0.0998	0.0730	69	0.0554	51	70-130	27	35	mg/kg	01.19.2020 08:34	X
Ethylbenzene	0.00479	0.0998	0.0790	74	0.0480	43	70-130	49	35	mg/kg	01.19.2020 08:34	XF
m,p-Xylenes	0.0833	0.200	0.373	145	0.170	43	70-130	75	35	mg/kg	01.19.2020 08:34	XF
o-Xylene	0.0392	0.0998	0.163	124	0.0838	45	70-130	64	35	mg/kg	01.19.2020 08:34	XF

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	95		103		70-130	%	01.19.2020 08:34
4-Bromofluorobenzene	169	**	122		70-130	%	01.19.2020 08:34

Analytical Method: BTEX by EPA 8021B

Seq Number: 3113912

Parent Sample Id: 649557-001

Matrix: Soil

MS Sample Id: 649557-001 S

Prep Method: SW5030B

Date Prep: 01.20.2020

MSD Sample Id: 649557-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000386	0.100	0.104	104	0.105	105	70-130	1	35	mg/kg	01.21.2020 04:12	
Toluene	0.000790	0.100	0.0912	90	0.0917	91	70-130	1	35	mg/kg	01.21.2020 04:12	
Ethylbenzene	<0.000567	0.100	0.0819	82	0.0818	82	70-130	0	35	mg/kg	01.21.2020 04:12	
m,p-Xylenes	<0.00102	0.201	0.158	79	0.157	79	70-130	1	35	mg/kg	01.21.2020 04:12	
o-Xylene	0.000550	0.100	0.0798	79	0.0796	79	70-130	0	35	mg/kg	01.21.2020 04:12	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	111		110		70-130	%	01.21.2020 04:12
4-Bromofluorobenzene	97		95		70-130	%	01.21.2020 04:12

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

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

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



Chain of Custody

Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334
Midland, TX (432-704-5440) EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296
Hobbs, NM (575-392-7550) Phoenix, AZ (480-355-0900) Atlanta, GA (770-449-8800) Tampa, FL (813-620-2000)

Work Order No: 104 guesy
www.xenco.com Page 1 of 2

Project Manager:	Tom Larson	Bill to: (if different)	GHD Midland
Company Name:	GHD	Company Name:	
Address:		Address:	
City, State ZIP:	Midland TX	City, State ZIP:	
Phone:		Email:	

Program: ☐ UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐ State of Project:	
Reporting Level: ☐ I ☐ II ☐ III ☐ PST/UST ☐ TRRP ☐ Level IV ☐ Deliverables: EDD ☐ ADAPT ☐ Other:	Work Order Comments:

Project Name:	EnLink Falcon	Turn Around	☒
Project Number:	11205561	Routine	☒
P.O. Number:	See 4400	Rush:	
Sampler's Name:	Tom Larson	Due Date:	

SAMPLE RECEIPT		Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐
Temperature (°C):	23	Thermometer ID: 123			
Received Intact:	Yes ☒ No ☐	Correction Factor:			
Cooler Custody Seals:	Yes ☒ No ☐ N/A	Total Containers:			

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth in ft.
SL-10 @ 1'	S	1-9-20	1200	1
SL-2 @ 2'			1205	2
SL-3 @ 2'			1210	2
SL-4 @ 2.5'			1220	2.5
SL-5 @ 2'			1230	2
SL-6 @ 2'			1235	2
SL-7 @ 1.5'			1240	1.5
SL-8 @ 1.5'			1245	1.5
SL-9 @ 1'			1250	1
SL-10 @ 1.5'			1255	1.5

Number of Containers
BTEX 8021 B
TPH 8015 mod

ANALYSIS REQUEST

Work Order Notes

Notes: (see 4400)
reg (5 day) TAT

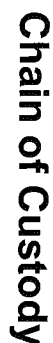
TAT starts the day received by the lab, if received by 4:30pm

Sample Comments

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Tom Larson	GHD	11/1/20			



Work Order No. 00000000

www.xenco.com Page 2 of 2

Project Name:		Turn Around	ANALYSIS REQUEST								Work Order Notes
Project Number:		Routine ☐									ray TAT
P.O. Number:		Rush:									
Sampler's Name:		Due Date:									

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth m ft	Number	B	T ₁	Sample Comments
SL-11 @ 1.5'	3	1-4-20	1305	1.5		X	X	
SL-12 @ 1.5'			1310					
SL-13 @ 1.5'			1315					
SL-14 @ 1.5'			1320					
SL-15 @ 1.5'			1325					
72								

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>Toulage</i>	<i>[Signature]</i>	1/16/20	2		
3		1/16/20	4		
5		1/16/20	6		

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: GHD Services, INC- Midland

Date/ Time Received: 01.10.2020 11.19.00 AM

Work Order #: 648654

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	3.3
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	N/A
#5 Custody Seals intact on sample bottles?	N/A
#6 *Custody Seals Signed and dated?	N/A
#7 *Chain of Custody present?	Yes
#8 Any missing/extra samples?	No
#9 Chain of Custody signed when relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/matrix?	Yes
#11 Container label(s) legible and intact?	Yes
#12 Samples in proper container/ bottle?	Yes
#13 Samples properly preserved?	Yes
#14 Sample container(s) intact?	Yes
#15 Sufficient sample amount for indicated test(s)?	Yes
#16 All samples received within hold time?	Yes
#17 Subcontract of sample(s)?	N/A
#18 Water VOC samples have zero headspace?	N/A

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

Analyst:

PH Device/Lot#:

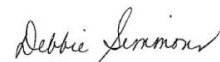
Checklist completed by:



Brianna Teel

Date: 01.10.2020

Checklist reviewed by:



Debbie Simmons

Date: 01.13.2020



Certificate of Analysis Summary 652071

GHD Services, INC- Midland, Midland, TX

Project Name: Enlink Falcon

Project Id: 11205561
Contact: Tom Larson
Project Location: Eddy County, NM

Date Received in Lab: Wed 02.12.2020 09:04

Report Date: 02.19.2020 15:11

Project Manager: Debbie Simmons

Analysis Requested	Lab Id:	652071-001	652071-002	652071-003	652071-004	652071-005	652071-006
	Field Id:	ES-1	ES-2	ES-3	ES-4	ES-5	ES-6
	Depth:	1- ft	1- ft	1- ft	1- ft	1- ft	1- ft
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	02.11.2020 12:00	02.11.2020 12:10	02.11.2020 12:20	02.11.2020 12:30	02.11.2020 12:40	02.11.2020 12:50
BTEX by EPA 8021B	Extracted:	02.12.2020 10:15	02.12.2020 10:15	02.12.2020 10:15	02.12.2020 10:15	02.12.2020 10:15	02.12.2020 10:15
	Analyzed:	02.12.2020 18:03	02.12.2020 18:23	02.12.2020 18:44	02.12.2020 19:05	02.12.2020 19:25	02.12.2020 19:46
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00198 0.00198	<0.00199 0.00199	<0.00199 0.00199	<0.00198 0.00198	<0.00202 0.00202	<0.00200 0.00200
Toluene		<0.00198 0.00198	<0.00199 0.00199	<0.00199 0.00199	<0.00198 0.00198	<0.00202 0.00202	<0.00200 0.00200
Ethylbenzene		<0.00198 0.00198	<0.00199 0.00199	<0.00199 0.00199	<0.00198 0.00198	<0.00202 0.00202	<0.00200 0.00200
m,p-Xylenes		<0.00397 0.00397	<0.00398 0.00398	<0.00398 0.00398	<0.00397 0.00397	<0.00403 0.00403	<0.00401 0.00401
o-Xylene		<0.00198 0.00198	<0.00199 0.00199	<0.00199 0.00199	<0.00198 0.00198	<0.00202 0.00202	<0.00200 0.00200
Total Xylenes		<0.00198 0.00198	<0.00199 0.00199	<0.00199 0.00199	<0.00198 0.00198	<0.00202 0.00202	<0.00200 0.00200
Total BTEX		<0.00198 0.00198	<0.00199 0.00199	<0.00199 0.00199	<0.00198 0.00198	<0.00202 0.00202	<0.00200 0.00200
TPH By SW8015 Mod	Extracted:	02.12.2020 15:00	02.12.2020 15:00	02.12.2020 15:00	02.12.2020 15:00	02.12.2020 15:00	02.12.2020 15:00
	Analyzed:	02.12.2020 16:10	02.12.2020 15:14	02.12.2020 16:29	02.12.2020 16:47	02.12.2020 17:06	02.12.2020 17:25
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.0 50.0	<50.0 50.0	<49.9 49.9	<49.8 49.8	<50.0 50.0	<49.9 49.9
Diesel Range Organics (DRO)		<50.0 50.0	<50.0 50.0	<49.9 49.9	<49.8 49.8	<50.0 50.0	<49.9 49.9
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<50.0 50.0	<49.9 49.9	<49.8 49.8	<50.0 50.0	<49.9 49.9
Total TPH		<50.0 50.0	<50.0 50.0	<49.9 49.9	<49.8 49.8	<50.0 50.0	<49.9 49.9

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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

Debbie Simmons
Project Manager



Certificate of Analysis Summary 652071

GHD Services, INC- Midland, Midland, TX

Project Name: Enlink Falcon

Project Id: 11205561
Contact: Tom Larson
Project Location: Eddy County, NM

Date Received in Lab: Wed 02.12.2020 09:04
Report Date: 02.19.2020 15:11
Project Manager: Debbie Simmons

Analysis Requested	Lab Id:	652071-007	652071-008	652071-009	652071-010		
	Field Id:	ES-7	ES-8	ES-9	ES-10		
	Depth:	1- ft	1- ft	1- ft	1- ft		
	Matrix:	SOIL	SOIL	SOIL	SOIL		
	Sampled:	02.11.2020 13:00	02.11.2020 13:10	02.11.2020 13:20	02.11.2020 13:30		
BTEX by EPA 8021B	Extracted:	02.12.2020 10:15	02.12.2020 10:15	02.12.2020 10:15	02.12.2020 10:15		
	Analyzed:	02.12.2020 20:06	02.12.2020 20:27	02.12.2020 20:48	02.12.2020 21:09		
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Benzene		<0.00201 0.00201	<0.00201 0.00201	<0.00200 0.00200	<0.00201 0.00201		
Toluene		<0.00201 0.00201	<0.00201 0.00201	<0.00200 0.00200	<0.00201 0.00201		
Ethylbenzene		<0.00201 0.00201	<0.00201 0.00201	<0.00200 0.00200	<0.00201 0.00201		
m,p-Xylenes		<0.00402 0.00402	<0.00402 0.00402	<0.00400 0.00400	<0.00402 0.00402		
o-Xylene		<0.00201 0.00201	<0.00201 0.00201	<0.00200 0.00200	<0.00201 0.00201		
Total Xylenes		<0.00201 0.00201	<0.00201 0.00201	<0.00200 0.00200	<0.00201 0.00201		
Total BTEX		<0.00201 0.00201	<0.00201 0.00201	<0.00200 0.00200	<0.00201 0.00201		
TPH By SW8015 Mod	Extracted:	02.12.2020 15:00	02.12.2020 15:00	02.12.2020 15:00	02.12.2020 15:00		
	Analyzed:	02.12.2020 17:43	02.12.2020 18:02	02.12.2020 18:20	02.12.2020 18:38		
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Gasoline Range Hydrocarbons (GRO)		<49.8 49.8	<50.0 50.0	<49.9 49.9	<49.9 49.9		
Diesel Range Organics (DRO)		848 49.8	<50.0 50.0	<49.9 49.9	<49.9 49.9		
Motor Oil Range Hydrocarbons (MRO)		120 49.8	<50.0 50.0	<49.9 49.9	<49.9 49.9		
Total TPH		968 49.8	<50.0 50.0	<49.9 49.9	<49.9 49.9		

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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

Debbie Simmons
Project Manager



Analytical Report 652071

for

GHD Services, INC- Midland

Project Manager: Tom Larson

Enlink Falcon

11205561

02.19.2020

Collected By: Client



**1211 W. Florida Ave
Midland TX 79701**

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

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

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



02.19.2020

Project Manager: **Tom Larson**

GHD Services, INC- Midland

2135 S Loop 250 W

Midland, TX 79703

Reference: XENCO Report No(s): **652071**

Enlink Falcon

Project Address: Eddy County, NM

Tom Larson:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 652071. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 652071 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

A handwritten signature in black ink that reads 'Debbie Simmons'. The signature is fluid and cursive, with a horizontal line drawn underneath it.

Debbie Simmons

Project Manager

A Small Business and Minority Company

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

**Sample Cross Reference 652071****GHD Services, INC- Midland, Midland, TX**

Enlink Falcon

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
ES-1	S	02.11.2020 12:00	1 ft	652071-001
ES-2	S	02.11.2020 12:10	1 ft	652071-002
ES-3	S	02.11.2020 12:20	1 ft	652071-003
ES-4	S	02.11.2020 12:30	1 ft	652071-004
ES-5	S	02.11.2020 12:40	1 ft	652071-005
ES-6	S	02.11.2020 12:50	1 ft	652071-006
ES-7	S	02.11.2020 13:00	1 ft	652071-007
ES-8	S	02.11.2020 13:10	1 ft	652071-008
ES-9	S	02.11.2020 13:20	1 ft	652071-009
ES-10	S	02.11.2020 13:30	1 ft	652071-010



CASE NARRATIVE

Client Name: GHD Services, INC- Midland

Project Name: Enlink Falcon

Project ID: 11205561
Work Order Number(s): 652071

Report Date: 02.19.2020
Date Received: 02.12.2020

Sample receipt non conformances and comments:

% moisture on COC but is not required.

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3116350 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.



Certificate of Analytical Results 652071

GHD Services, INC- Midland, Midland, TX

Enlink Falcon

Sample Id: ES-1
Lab Sample Id: 652071-001

Matrix: Soil
Date Collected: 02.11.2020 12:00

Date Received: 02.12.2020 09:04
Sample Depth: 1 ft

Analytical Method: TPH By SW8015 Mod

Tech: DVM

Analyst: ARM

Seq Number: 3116335

Prep Method: SW8015P

% Moisture:

Date Prep: 02.12.2020 15:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.12.2020 16:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.12.2020 16:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.12.2020 16:10	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.12.2020 16:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	79	%	70-135	02.12.2020 16:10	
o-Terphenyl	84-15-1	80	%	70-135	02.12.2020 16:10	

Analytical Method: BTEX by EPA 8021B

Tech: KTL

Analyst: KTL

Seq Number: 3116350

Prep Method: SW5030B

% Moisture:

Date Prep: 02.12.2020 10:15

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	02.12.2020 18:03	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	02.12.2020 18:03	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	02.12.2020 18:03	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	02.12.2020 18:03	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	02.12.2020 18:03	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	02.12.2020 18:03	U	1
Total BTEX		<0.00198	0.00198	mg/kg	02.12.2020 18:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	102	%	70-130	02.12.2020 18:03	
1,4-Difluorobenzene	540-36-3	96	%	70-130	02.12.2020 18:03	



Certificate of Analytical Results 652071

GHD Services, INC- Midland, Midland, TX

Enlink Falcon

Sample Id: ES-2
Lab Sample Id: 652071-002

Matrix: Soil
Date Collected: 02.11.2020 12:10

Date Received: 02.12.2020 09:04
Sample Depth: 1 ft

Analytical Method: TPH By SW8015 Mod

Tech: DVM

Analyst: ARM

Seq Number: 3116335

Date Prep: 02.12.2020 15:00

Prep Method: SW8015P

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.12.2020 15:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.12.2020 15:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.12.2020 15:14	U	1
Total TPH	PHCG35	<50.0	50.0	mg/kg	02.12.2020 15:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	70	%	70-135	02.12.2020 15:14	
o-Terphenyl	84-15-1	70	%	70-135	02.12.2020 15:14	

Analytical Method: BTEX by EPA 8021B

Tech: KTL

Analyst: KTL

Seq Number: 3116350

Date Prep: 02.12.2020 10:15

Prep Method: SW5030B

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.12.2020 18:23	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.12.2020 18:23	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.12.2020 18:23	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.12.2020 18:23	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.12.2020 18:23	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.12.2020 18:23	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.12.2020 18:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.12.2020 18:23	
4-Bromofluorobenzene	460-00-4	100	%	70-130	02.12.2020 18:23	



Certificate of Analytical Results 652071

GHD Services, INC- Midland, Midland, TX

Enlink Falcon

Sample Id: ES-3
Lab Sample Id: 652071-003

Matrix: Soil
Date Collected: 02.11.2020 12:20

Date Received: 02.12.2020 09:04
Sample Depth: 1 ft

Analytical Method: TPH By SW8015 Mod

Tech: DVM

Analyst: ARM

Seq Number: 3116335

Date Prep: 02.12.2020 15:00

Prep Method: SW8015P

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.12.2020 16:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.12.2020 16:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.12.2020 16:29	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.12.2020 16:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	75	%	70-135	02.12.2020 16:29	
o-Terphenyl	84-15-1	76	%	70-135	02.12.2020 16:29	

Analytical Method: BTEX by EPA 8021B

Tech: KTL

Analyst: KTL

Seq Number: 3116350

Date Prep: 02.12.2020 10:15

Prep Method: SW5030B

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.12.2020 18:44	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.12.2020 18:44	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.12.2020 18:44	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.12.2020 18:44	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.12.2020 18:44	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.12.2020 18:44	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.12.2020 18:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	102	%	70-130	02.12.2020 18:44	
1,4-Difluorobenzene	540-36-3	96	%	70-130	02.12.2020 18:44	



Certificate of Analytical Results 652071

GHD Services, INC- Midland, Midland, TX

Enlink Falcon

Sample Id: ES-4 Matrix: Soil Date Received: 02.12.2020 09:04
 Lab Sample Id: 652071-004 Date Collected: 02.11.2020 12:30 Sample Depth: 1 ft
 Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 02.12.2020 15:00 Basis: Wet Weight
 Seq Number: 3116335

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.12.2020 16:47	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.12.2020 16:47	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.12.2020 16:47	U	1
Total TPH	PHCG35	<49.8	49.8	mg/kg	02.12.2020 16:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	73	%	70-135	02.12.2020 16:47	
o-Terphenyl	84-15-1	74	%	70-135	02.12.2020 16:47	

Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B
 Tech: KTL % Moisture:
 Analyst: KTL Date Prep: 02.12.2020 10:15 Basis: Wet Weight
 Seq Number: 3116350

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	02.12.2020 19:05	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	02.12.2020 19:05	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	02.12.2020 19:05	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	02.12.2020 19:05	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	02.12.2020 19:05	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	02.12.2020 19:05	U	1
Total BTEX		<0.00198	0.00198	mg/kg	02.12.2020 19:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	96	%	70-130	02.12.2020 19:05	
4-Bromofluorobenzene	460-00-4	102	%	70-130	02.12.2020 19:05	



Certificate of Analytical Results 652071

GHD Services, INC- Midland, Midland, TX

Enlink Falcon

Sample Id: ES-5
Lab Sample Id: 652071-005

Matrix: Soil
Date Collected: 02.11.2020 12:40

Date Received: 02.12.2020 09:04
Sample Depth: 1 ft

Analytical Method: TPH By SW8015 Mod

Tech: DVM

Analyst: ARM

Seq Number: 3116335

Prep Method: SW8015P

% Moisture:

Date Prep: 02.12.2020 15:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.12.2020 17:06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.12.2020 17:06	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.12.2020 17:06	U	1
Total TPH	PHCG35	<50.0	50.0	mg/kg	02.12.2020 17:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	73	%	70-135	02.12.2020 17:06	
o-Terphenyl	84-15-1	74	%	70-135	02.12.2020 17:06	

Analytical Method: BTEX by EPA 8021B

Tech: KTL

Analyst: KTL

Seq Number: 3116350

Prep Method: SW5030B

% Moisture:

Date Prep: 02.12.2020 10:15

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.12.2020 19:25	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.12.2020 19:25	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.12.2020 19:25	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	02.12.2020 19:25	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.12.2020 19:25	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	02.12.2020 19:25	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.12.2020 19:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	96	%	70-130	02.12.2020 19:25	
4-Bromofluorobenzene	460-00-4	102	%	70-130	02.12.2020 19:25	



Certificate of Analytical Results 652071

GHD Services, INC- Midland, Midland, TX

Enlink Falcon

Sample Id: **ES-6**
Lab Sample Id: 652071-006

Matrix: Soil
Date Collected: 02.11.2020 12:50

Date Received: 02.12.2020 09:04
Sample Depth: 1 ft

Analytical Method: TPH By SW8015 Mod

Tech: DVM

Analyst: ARM

Seq Number: 3116335

Date Prep: 02.12.2020 15:00

Prep Method: SW8015P

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.12.2020 17:25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.12.2020 17:25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.12.2020 17:25	U	1
Total TPH	PHCG35	<49.9	49.9	mg/kg	02.12.2020 17:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	74	%	70-135	02.12.2020 17:25	
o-Terphenyl	84-15-1	74	%	70-135	02.12.2020 17:25	

Analytical Method: BTEX by EPA 8021B

Tech: KTL

Analyst: KTL

Seq Number: 3116350

Date Prep: 02.12.2020 10:15

Prep Method: SW5030B

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.12.2020 19:46	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.12.2020 19:46	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.12.2020 19:46	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.12.2020 19:46	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.12.2020 19:46	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.12.2020 19:46	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.12.2020 19:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	96	%	70-130	02.12.2020 19:46	
4-Bromofluorobenzene	460-00-4	100	%	70-130	02.12.2020 19:46	



Certificate of Analytical Results 652071

GHD Services, INC- Midland, Midland, TX

Enlink Falcon

Sample Id: ES-7
Lab Sample Id: 652071-007

Matrix: Soil
Date Collected: 02.11.2020 13:00

Date Received: 02.12.2020 09:04
Sample Depth: 1 ft

Analytical Method: TPH By SW8015 Mod

Tech: DVM

Analyst: ARM

Seq Number: 3116335

Date Prep: 02.12.2020 15:00

Prep Method: SW8015P

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.12.2020 17:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	848	49.8	mg/kg	02.12.2020 17:43		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	120	49.8	mg/kg	02.12.2020 17:43		1
Total TPH	PHCG35	968	49.8	mg/kg	02.12.2020 17:43		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	75	%	70-135	02.12.2020 17:43	
o-Terphenyl	84-15-1	90	%	70-135	02.12.2020 17:43	

Analytical Method: BTEX by EPA 8021B

Tech: KTL

Analyst: KTL

Seq Number: 3116350

Date Prep: 02.12.2020 10:15

Prep Method: SW5030B

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.12.2020 20:06	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.12.2020 20:06	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.12.2020 20:06	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.12.2020 20:06	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.12.2020 20:06	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.12.2020 20:06	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.12.2020 20:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	99	%	70-130	02.12.2020 20:06	
1,4-Difluorobenzene	540-36-3	96	%	70-130	02.12.2020 20:06	



Certificate of Analytical Results 652071

GHD Services, INC- Midland, Midland, TX

Enlink Falcon

Sample Id: ES-8
Lab Sample Id: 652071-008

Matrix: Soil
Date Collected: 02.11.2020 13:10

Date Received: 02.12.2020 09:04
Sample Depth: 1 ft

Analytical Method: TPH By SW8015 Mod

Tech: DVM

Analyst: ARM

Seq Number: 3116335

Prep Method: SW8015P

% Moisture:

Date Prep: 02.12.2020 15:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.12.2020 18:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.12.2020 18:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.12.2020 18:02	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.12.2020 18:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	72	%	70-135	02.12.2020 18:02	
o-Terphenyl	84-15-1	72	%	70-135	02.12.2020 18:02	

Analytical Method: BTEX by EPA 8021B

Tech: KTL

Analyst: KTL

Seq Number: 3116350

Prep Method: SW5030B

% Moisture:

Date Prep: 02.12.2020 10:15

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.12.2020 20:27	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.12.2020 20:27	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.12.2020 20:27	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.12.2020 20:27	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.12.2020 20:27	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.12.2020 20:27	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.12.2020 20:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	102	%	70-130	02.12.2020 20:27	
1,4-Difluorobenzene	540-36-3	96	%	70-130	02.12.2020 20:27	



Certificate of Analytical Results 652071

GHD Services, INC- Midland, Midland, TX

Enlink Falcon

Sample Id: **ES-9** Matrix: Soil Date Received: 02.12.2020 09:04
 Lab Sample Id: 652071-009 Date Collected: 02.11.2020 13:20 Sample Depth: 1 ft
 Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 02.12.2020 15:00 Basis: Wet Weight
 Seq Number: 3116335

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.12.2020 18:20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.12.2020 18:20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.12.2020 18:20	U	1
Total TPH	PHCG35	<49.9	49.9	mg/kg	02.12.2020 18:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	73	%	70-135	02.12.2020 18:20	
o-Terphenyl	84-15-1	74	%	70-135	02.12.2020 18:20	

Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B
 Tech: KTL % Moisture:
 Analyst: KTL Date Prep: 02.12.2020 10:15 Basis: Wet Weight
 Seq Number: 3116350

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.12.2020 20:48	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.12.2020 20:48	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.12.2020 20:48	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.12.2020 20:48	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.12.2020 20:48	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.12.2020 20:48	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.12.2020 20:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	97	%	70-130	02.12.2020 20:48	
4-Bromofluorobenzene	460-00-4	109	%	70-130	02.12.2020 20:48	



Certificate of Analytical Results 652071

GHD Services, INC- Midland, Midland, TX

Enlink Falcon

Sample Id: **ES-10** Matrix: Soil Date Received: 02.12.2020 09:04
 Lab Sample Id: 652071-010 Date Collected: 02.11.2020 13:30 Sample Depth: 1 ft
 Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 02.12.2020 15:00 Basis: Wet Weight
 Seq Number: 3116335

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.12.2020 18:38	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.12.2020 18:38	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.12.2020 18:38	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.12.2020 18:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	75	%	70-135	02.12.2020 18:38	
o-Terphenyl	84-15-1	74	%	70-135	02.12.2020 18:38	

Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B
 Tech: KTL % Moisture:
 Analyst: KTL Date Prep: 02.12.2020 10:15 Basis: Wet Weight
 Seq Number: 3116350

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.12.2020 21:09	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.12.2020 21:09	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.12.2020 21:09	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.12.2020 21:09	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.12.2020 21:09	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.12.2020 21:09	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.12.2020 21:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	109	%	70-130	02.12.2020 21:09	
1,4-Difluorobenzene	540-36-3	96	%	70-130	02.12.2020 21:09	



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



GHD Services, INC- Midland Enlink Falcon

Analytical Method: TPH By SW8015 Mod

Seq Number: 3116335

MB Sample Id: 7696510-1-BLK

Matrix: Solid

LCS Sample Id: 7696510-1-BKS

Prep Method: SW8015P

Date Prep: 02.12.2020

LCSD Sample Id: 7696510-1-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)	<15.0	1000	886	89	883	88	70-135	0	20	mg/kg	02.12.2020 14:37	
Diesel Range Organics (DRO)	<15.0	1000	967	97	961	96	70-135	1	20	mg/kg	02.12.2020 14:37	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	79		97		98		70-135	%	02.12.2020 14:37
o-Terphenyl	81		94		91		70-135	%	02.12.2020 14:37

Analytical Method: TPH By SW8015 Mod

Seq Number: 3116335

Matrix: Solid

MB Sample Id: 7696510-1-BLK

Prep Method: SW8015P

Date Prep: 02.12.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.12.2020 14:18	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3116335

Matrix: Soil

Parent Sample Id: 652071-002

MS Sample Id: 652071-002 S

Prep Method: SW8015P

Date Prep: 02.12.2020

MSD Sample Id: 652071-002 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)	<15.0	997	818	82	836	84	70-135	2	20	mg/kg	02.12.2020 15:33	
Diesel Range Organics (DRO)	22.5	997	915	90	932	91	70-135	2	20	mg/kg	02.12.2020 15:33	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	89		90		70-135	%	02.12.2020 15:33
o-Terphenyl	81		84		70-135	%	02.12.2020 15:33

Analytical Method: BTEX by EPA 8021B

Seq Number: 3116350

Matrix: Solid

MB Sample Id: 7696472-1-BLK

LCS Sample Id: 7696472-1-BKS

Prep Method: SW5030B

Date Prep: 02.12.2020

LCSD Sample Id: 7696472-1-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	0.110	110	0.111	111	70-130	1	35	mg/kg	02.12.2020 15:15	
Toluene	<0.00200	0.100	0.101	101	0.102	102	70-130	1	35	mg/kg	02.12.2020 15:15	
Ethylbenzene	<0.00200	0.100	0.0961	96	0.0987	99	70-130	3	35	mg/kg	02.12.2020 15:15	
m,p-Xylenes	<0.00400	0.200	0.189	95	0.197	99	70-130	4	35	mg/kg	02.12.2020 15:15	
o-Xylene	<0.00200	0.100	0.0929	93	0.0964	96	70-130	4	35	mg/kg	02.12.2020 15:15	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	94		93		93		70-130	%	02.12.2020 15:15
4-Bromofluorobenzene	105		93		97		70-130	%	02.12.2020 15:15

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

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

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



GHD Services, INC- Midland
Enlink Falcon

Analytical Method: BTEX by EPA 8021B

Seq Number: 3116350

Parent Sample Id: 652071-001

Matrix: Soil

MS Sample Id: 652071-001 S

Prep Method: SW5030B

Date Prep: 02.12.2020

MSD Sample Id: 652071-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.107	107	0.103	103	70-130	4	35	mg/kg	02.12.2020 16:10	
Toluene	<0.00200	0.0998	0.0989	99	0.0946	95	70-130	4	35	mg/kg	02.12.2020 16:10	
Ethylbenzene	<0.00200	0.0998	0.0964	97	0.0909	91	70-130	6	35	mg/kg	02.12.2020 16:10	
m,p-Xylenes	<0.00399	0.200	0.193	97	0.181	91	70-130	6	35	mg/kg	02.12.2020 16:10	
o-Xylene	<0.00200	0.0998	0.0942	94	0.0883	88	70-130	6	35	mg/kg	02.12.2020 16:10	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	94		94		70-130	%	02.12.2020 16:10
4-Bromofluorobenzene	100		97		70-130	%	02.12.2020 16:10

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

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

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

Service Center - San Antonio, Texas (210-509-3334)

Lakeland, Florida (863-646-8526)

Tampa, Florida (813-620-2000)

CHAIN OF CUSTODY

Page 1 Of 1

[illegible]

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: GHD Services, INC- Midland

Date/ Time Received: 02.12.2020 09.04.00 AM

Work Order #: 652071

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	2.3
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	N/A
#5 Custody Seals intact on sample bottles?	N/A
#6 *Custody Seals Signed and dated?	N/A
#7 *Chain of Custody present?	Yes
#8 Any missing/extra samples?	No
#9 Chain of Custody signed when relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/matrix?	Yes
#11 Container label(s) legible and intact?	Yes
#12 Samples in proper container/ bottle?	Yes
#13 Samples properly preserved?	Yes
#14 Sample container(s) intact?	Yes
#15 Sufficient sample amount for indicated test(s)?	Yes
#16 All samples received within hold time?	Yes
#17 Subcontract of sample(s)?	N/A
#18 Water VOC samples have zero headspace?	N/A

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

Analyst:

PH Device/Lot#:

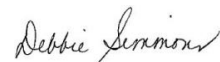
Checklist completed by:



Brianna Teel

Date: 02.12.2020

Checklist reviewed by:



Debbie Simmons

Date: 02.14.2020



Certificate of Analysis Summary 654090

GHD Services, INC- Midland, Midland, TX

Project Name: Enlink Falcon Spill

Project Id: 11205561-01

Contact: Tom Larson

Project Location:

Date Received in Lab: Fri 02.28.2020 11:54

Report Date: 03.06.2020 17:46

Project Manager: Debbie Simmons

Analysis Requested	Lab Id:	654090-001	654090-002	654090-003	654090-004	654090-005	654090-006
	Field Id:	SL-1A	SL-2A	SL-3A	SL-4A	SL-5A	SL-6A
	Depth:	5- ft	5- ft	4.5- ft	4.5- ft	4.5- ft	4.5- ft
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	02.27.2020 10:55	02.27.2020 11:05	02.27.2020 11:20	02.27.2020 11:50	02.27.2020 11:55	02.27.2020 12:20
BTEX by EPA 8021B SUB: T104704219-19-21	Extracted:	03.04.2020 15:00	03.04.2020 14:30	03.04.2020 14:30	03.05.2020 14:00	03.04.2020 14:30	03.04.2020 14:30
	Analyzed:	03.04.2020 21:54	03.05.2020 05:28	03.05.2020 05:52	03.05.2020 22:53	03.05.2020 06:41	03.05.2020 07:05
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00100 0.00100	<0.00101 0.00101	<0.00101 0.00101	0.165 0.0201	<0.000994 0.000994	<0.00101 0.00101
Toluene		<0.00100 0.00100	<0.00101 0.00101	<0.00101 0.00101	2.08 0.0201	0.00358 0.000994	<0.00101 0.00101
Ethylbenzene		<0.00100 0.00100	<0.00101 0.00101	<0.00101 0.00101	0.602 0.0201	0.00835 0.000994	<0.00101 0.00101
m,p-Xylenes		0.00551 F 0.00200	<0.00202 0.00202	<0.00202 0.00202	5.63 0.0402	0.0333 0.00199	0.00604 0.00201
o-Xylene		0.00170 F 0.00100	<0.00101 0.00101	<0.00101 0.00101	1.81 0.0201	0.0101 0.000994	<0.00101 0.00101
Total Xylenes		0.00721 0.00100	<0.00101 0.00101	<0.00101 0.00101	7.44 0.0201	0.0434 0.000994	0.00604 0.00101
Total BTEX		0.00721 0.00100	<0.00101 0.00101	<0.00101 0.00101	10.3 0.0201	0.0553 0.000994	0.00604 0.00101
Chloride by EPA 300	Extracted:					03.04.2020 11:40	
	Analyzed:					03.04.2020 13:17	
	Units/RL:					mg/kg RL	
Chloride						5.40 4.99	
TPH By SW8015 Mod	Extracted:	02.29.2020 10:00	02.29.2020 10:00	02.29.2020 10:00	02.29.2020 10:00	02.29.2020 10:00	02.29.2020 10:00
	Analyzed:	02.29.2020 14:43	02.29.2020 15:45	02.29.2020 16:06	03.01.2020 09:14	02.29.2020 16:48	02.29.2020 17:09
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<49.9 49.9	<49.9 49.9	<50.0 50.0	4890 250	<50.0 50.0	<49.8 49.8
Diesel Range Organics (DRO)		425 49.9	<49.9 49.9	<50.0 50.0	8480 250	128 50.0	61.1 49.8
Motor Oil Range Hydrocarbons (MRO)		<49.9 49.9	<49.9 49.9	<50.0 50.0	860 250	53.4 50.0	<49.8 49.8
Total TPH		425 49.9	<49.9 49.9	<50.0 50.0	14200 250	181 50.0	61.1 49.8

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Debbie Simmons
Project Manager



Certificate of Analysis Summary 654090

GHD Services, INC- Midland, Midland, TX

Project Name: Enlink Falcon Spill

Project Id: 11205561-01

Contact: Tom Larson

Project Location:

Date Received in Lab: Fri 02.28.2020 11:54

Report Date: 03.06.2020 17:46

Project Manager: Debbie Simmons

<i>Analysis Requested</i>	<i>Lab Id:</i>	654090-007	654090-008	654090-009	654090-010	654090-011	654090-012
	<i>Field Id:</i>	SL-7A	SL-8A	SL-10A	SL-11A	SL-12A	SL-13A
	<i>Depth:</i>	5- ft	5- ft	5- ft	5- ft	4- ft	5.5- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	02.27.2020 12:30	02.27.2020 12:35	02.27.2020 12:40	02.27.2020 13:20	02.27.2020 11:35	02.27.2020 13:35
BTEX by EPA 8021B SUB: T104704219-19-21	<i>Extracted:</i>	03.04.2020 14:30	03.04.2020 14:30	03.04.2020 14:30	03.04.2020 15:00	03.04.2020 15:00	03.04.2020 15:00
	<i>Analyzed:</i>	03.05.2020 07:30	03.05.2020 07:54	03.05.2020 08:18	03.04.2020 23:41	03.05.2020 00:08	03.05.2020 00:35
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.000996 0.000996	<0.000990 0.000990	<0.000990 0.000990	<0.00100 0.00100	<0.000994 0.000994	<0.000990 0.000990
Toluene		<0.000996 0.000996	<0.000990 0.000990	<0.000990 0.000990	<0.00100 0.00100	<0.000994 0.000994	<0.000990 0.000990
Ethylbenzene		0.000996 0.000996	<0.000990 0.000990	<0.000990 0.000990	<0.00100 0.00100	<0.000994 0.000994	<0.000990 0.000990
m,p-Xylenes		0.00279 0.00199	0.00198 0.00198	<0.00198 0.00198	<0.00201 0.00201	<0.00199 0.00199	<0.00198 0.00198
o-Xylene		0.00199 0.000996	<0.000990 0.000990	<0.000990 0.000990	<0.00100 0.00100	<0.000994 0.000994	<0.000990 0.000990
Total Xylenes		0.00478 0.000996	0.00198 0.000990	<0.000990 0.000990	<0.00100 0.00100	<0.000994 0.000994	<0.000990 0.000990
Total BTEX		0.00578 0.000996	0.00198 0.000990	<0.000990 0.000990	<0.00100 0.00100	<0.000994 0.000994	<0.000990 0.000990
Chloride by EPA 300	<i>Extracted:</i>					03.04.2020 11:40	
	<i>Analyzed:</i>					03.04.2020 13:22	
	<i>Units/RL:</i>					mg/kg RL	
Chloride						<4.95 4.95	
TPH By SW8015 Mod	<i>Extracted:</i>	02.29.2020 10:00	02.29.2020 10:00	02.29.2020 10:00	02.29.2020 10:00	02.29.2020 10:00	02.29.2020 10:00
	<i>Analyzed:</i>	02.29.2020 17:30	02.29.2020 17:51	02.29.2020 18:12	02.29.2020 18:33	02.29.2020 19:15	02.29.2020 19:36
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		65.0 49.9	<49.9 49.9	<50.0 50.0	<50.0 50.0	<49.9 49.9	<50.0 50.0
Diesel Range Organics (DRO)		662 49.9	115 49.9	<50.0 50.0	94.6 50.0	<49.9 49.9	85.9 50.0
Motor Oil Range Hydrocarbons (MRO)		71.5 49.9	<49.9 49.9	<50.0 50.0	<50.0 50.0	<49.9 49.9	<50.0 50.0
Total TPH		799 49.9	115 49.9	<50.0 50.0	94.6 50.0	<49.9 49.9	85.9 50.0

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Debbie Simmons
Project Manager



Certificate of Analysis Summary 654090

GHD Services, INC- Midland, Midland, TX

Project Name: Enlink Falcon Spill

Project Id: 11205561-01

Contact: Tom Larson

Project Location:

Date Received in Lab: Fri 02.28.2020 11:54

Report Date: 03.06.2020 17:46

Project Manager: Debbie Simmons

<i>Analysis Requested</i>	<i>Lab Id:</i>	654090-013	654090-014	654090-015	654090-016	654090-017	654090-018
	<i>Field Id:</i>	SL-14A	SL-15A	ES-11	ES-7A	SL-16	SL-17
	<i>Depth:</i>	5- ft	4.5- ft	3.5- ft	3- ft	7- ft	7.5- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	02.27.2020 13:55	02.27.2020 14:20	02.27.2020 15:00	02.27.2020 14:30	02.27.2020 15:30	02.27.2020 16:00
BTEX by EPA 8021B SUB: T104704219-19-21	<i>Extracted:</i>	03.04.2020 15:00	03.04.2020 15:00	03.04.2020 15:00	03.04.2020 15:00	03.04.2020 15:00	03.04.2020 15:00
	<i>Analyzed:</i>	03.05.2020 01:02	03.05.2020 01:29	03.05.2020 01:56	03.05.2020 02:23	03.05.2020 02:50	03.05.2020 03:17
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.000994 0.000994	<0.00100 0.00100	<0.000992 0.000992	<0.00100 0.00100	<0.00100 0.00100	<0.000994 0.000994
Toluene		<0.000994 0.000994	<0.00100 0.00100	<0.000992 0.000992	<0.00100 0.00100	<0.00100 0.00100	<0.000994 0.000994
Ethylbenzene		<0.000994 0.000994	<0.00100 0.00100	<0.000992 0.000992	<0.00100 0.00100	<0.00100 0.00100	<0.000994 0.000994
m,p-Xylenes		<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198	<0.00201 0.00201	0.0507 0.00201	<0.00199 0.00199
o-Xylene		<0.000994 0.000994	<0.00100 0.00100	<0.000992 0.000992	<0.00100 0.00100	0.0190 0.00100	<0.000994 0.000994
Total Xylenes		<0.000994 0.000994	<0.00100 0.00100	<0.000992 0.000992	<0.00100 0.00100	0.0697 0.00100	<0.000994 0.000994
Total BTEX		<0.000994 0.000994	<0.00100 0.00100	<0.000992 0.000992	<0.00100 0.00100	0.0697 0.00100	<0.000994 0.000994
Chloride by EPA 300	<i>Extracted:</i>		03.04.2020 11:40				
	<i>Analyzed:</i>		03.04.2020 13:27				
	<i>Units/RL:</i>		mg/kg RL				
Chloride			<4.97 4.97				
TPH By SW8015 Mod	<i>Extracted:</i>	02.29.2020 10:00	02.29.2020 10:00	02.29.2020 10:00	02.29.2020 10:00	02.29.2020 10:00	02.29.2020 10:00
	<i>Analyzed:</i>	02.29.2020 19:56	02.29.2020 20:17	02.29.2020 20:38	02.29.2020 20:59	02.29.2020 21:20	02.29.2020 21:41
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.0 50.0	<49.9 49.9	<49.8 49.8	<49.9 49.9	169 50.0	<50.0 50.0
Diesel Range Organics (DRO)		<50.0 50.0	<49.9 49.9	<49.8 49.8	<49.9 49.9	701 50.0	<50.0 50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<49.9 49.9	<49.8 49.8	<49.9 49.9	56.9 50.0	<50.0 50.0
Total TPH		<50.0 50.0	<49.9 49.9	<49.8 49.8	<49.9 49.9	927 50.0	<50.0 50.0

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Debbie Simmons
Project Manager



Certificate of Analysis Summary 654090

GHD Services, INC- Midland, Midland, TX

Project Name: Enlink Falcon Spill

Project Id: 11205561-01

Contact: Tom Larson

Project Location:

Date Received in Lab: Fri 02.28.2020 11:54

Report Date: 03.06.2020 17:46

Project Manager: Debbie Simmons

Analysis Requested	Lab Id:	654090-019	654090-020	654090-021	654090-022	654090-023	654090-024
	Field Id:	SL-18	HD-1	HD-2	HD-3	HD-4	HD-5
	Depth:	8- ft	0-6 In	0-6 In	0-6 In	0-6 In	0-6 In
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	02.27.2020 16:45	02.27.2020 10:45	02.27.2020 11:00	02.27.2020 11:15	02.27.2020 11:30	02.27.2020 11:45
BTEX by EPA 8021B SUB: T104704219-19-21	Extracted:	03.04.2020 15:00	03.05.2020 14:00	03.04.2020 15:00	03.04.2020 15:00	03.04.2020 15:00	03.04.2020 15:00
	Analyzed:	03.05.2020 05:04	03.05.2020 18:54	03.05.2020 05:31	03.05.2020 05:58	03.05.2020 06:25	03.05.2020 06:52
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00100 0.00100	<0.000996 0.000996	<0.000990 0.000990	<0.00100 0.00100	<0.00101 0.00101	<0.000998 0.000998
Toluene		<0.00100 0.00100	<0.000996 0.000996	<0.000990 0.000990	<0.00100 0.00100	<0.00101 0.00101	<0.000998 0.000998
Ethylbenzene		<0.00100 0.00100	<0.000996 0.000996	<0.000990 0.000990	<0.00100 0.00100	<0.00101 0.00101	<0.000998 0.000998
m,p-Xylenes		<0.00201 0.00201	<0.00199 0.00199	<0.00198 0.00198	<0.00200 0.00200	<0.00202 0.00202	<0.00200 0.00200
o-Xylene		0.00110 0.00100	<0.000996 0.000996	<0.000990 0.000990	<0.00100 0.00100	<0.00101 0.00101	<0.000998 0.000998
Total Xylenes		0.00110 0.00100	<0.000996 0.000996	<0.000990 0.000990	<0.00100 0.00100	<0.00101 0.00101	<0.000998 0.000998
Total BTEX		0.00110 0.00100	<0.000996 0.000996	<0.000990 0.000990	<0.00100 0.00100	<0.00101 0.00101	<0.000998 0.000998
Chloride by EPA 300	Extracted:			03.04.2020 11:40			
	Analyzed:			03.04.2020 13:32			
	Units/RL:			mg/kg RL			
Chloride				<5.02 5.02			
TPH By SW8015 Mod	Extracted:	02.29.2020 10:00	02.29.2020 10:00	02.29.2020 10:00	02.29.2020 10:00	02.29.2020 10:00	02.29.2020 10:00
	Analyzed:	02.29.2020 22:02	02.29.2020 22:23	03.01.2020 00:07	03.01.2020 01:10	03.01.2020 01:31	03.01.2020 01:52
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<49.9 49.9	<49.8 49.8	<49.9 49.9	<49.8 49.8	<50.0 50.0	<50.0 50.0
Diesel Range Organics (DRO)		<49.9 49.9	<49.8 49.8	109 49.9	74.8 49.8	82.1 50.0	80.1 50.0
Motor Oil Range Hydrocarbons (MRO)		<49.9 49.9	<49.8 49.8	<49.9 49.9	<49.8 49.8	<50.0 50.0	<50.0 50.0
Total TPH		<49.9 49.9	<49.8 49.8	109 49.9	74.8 49.8	82.1 50.0	80.1 50.0

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Debbie Simmons
Project Manager



Certificate of Analysis Summary 654090

GHD Services, INC- Midland, Midland, TX

Project Name: Enlink Falcon Spill

Project Id: 11205561-01

Contact: Tom Larson

Project Location:

Date Received in Lab: Fri 02.28.2020 11:54

Report Date: 03.06.2020 17:46

Project Manager: Debbie Simmons

Analysis Requested	Lab Id:	654090-025	654090-026	654090-027	654090-028	654090-029	654090-030
	Field Id:	HD-6	HD-7	HD-8	HD-9	HD-10	HD-11
	Depth:	0-6 In	0-6 In	0-6 In	0-6 In	0-6 In	0-6 In
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	02.27.2020 12:00	02.27.2020 12:15	02.27.2020 12:30	02.27.2020 12:45	02.27.2020 13:00	02.27.2020 13:15
BTEX by EPA 8021B SUB: T104704219-19-21	Extracted:	03.04.2020 15:00	03.04.2020 15:00	03.04.2020 15:00	03.04.2020 15:00	03.04.2020 15:00	03.05.2020 14:00
	Analyzed:	03.05.2020 07:19	03.05.2020 07:46	03.05.2020 08:13	03.05.2020 08:40	03.05.2020 09:06	03.05.2020 20:41
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00100 0.00100	<0.000994 0.000994	<0.00100 0.00100	<0.000994 0.000994	<0.000996 0.000996	<0.00100 0.00100
Toluene		<0.00100 0.00100	<0.000994 0.000994	<0.00100 0.00100	<0.000994 0.000994	<0.000996 0.000996	<0.00100 0.00100
Ethylbenzene		<0.00100 0.00100	<0.000994 0.000994	<0.00100 0.00100	<0.000994 0.000994	<0.000996 0.000996	<0.00100 0.00100
m,p-Xylenes		<0.00200 0.00200	<0.00199 0.00199	<0.00201 0.00201	<0.00199 0.00199	<0.00199 0.00199	<0.00200 0.00200
o-Xylene		<0.00100 0.00100	<0.000994 0.000994	<0.00100 0.00100	<0.000994 0.000994	<0.000996 0.000996	<0.00100 0.00100
Total Xylenes		<0.00100 0.00100	<0.000994 0.000994	<0.00100 0.00100	<0.000994 0.000994	<0.000996 0.000996	<0.00100 0.00100
Total BTEX		<0.00100 0.00100	<0.000994 0.000994	<0.00100 0.00100	<0.000994 0.000994	<0.000996 0.000996	<0.00100 0.00100
TPH By SW8015 Mod	Extracted:	02.29.2020 10:00	02.29.2020 10:00	02.29.2020 10:00	02.29.2020 10:00	02.29.2020 10:00	02.29.2020 10:00
	Analyzed:	03.01.2020 02:13	03.01.2020 02:34	03.01.2020 02:55	03.01.2020 03:16	03.01.2020 03:37	03.01.2020 03:57
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<49.9 49.9	<50.0 50.0	<49.8 49.8	<50.0 50.0	<49.9 49.9	<50.0 50.0
Diesel Range Organics (DRO)		96.2 49.9	<50.0 50.0	114 49.8	<50.0 50.0	<49.9 49.9	<50.0 50.0
Motor Oil Range Hydrocarbons (MRO)		<49.9 49.9	<50.0 50.0	<49.8 49.8	<50.0 50.0	<49.9 49.9	<50.0 50.0
Total TPH		96.2 49.9	<50.0 50.0	114 49.8	<50.0 50.0	<49.9 49.9	<50.0 50.0

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Debbie Simmons
Project Manager



Certificate of Analysis Summary 654090

GHD Services, INC- Midland, Midland, TX

Project Name: Enlink Falcon Spill

Project Id: 11205561-01

Contact: Tom Larson

Project Location:

Date Received in Lab: Fri 02.28.2020 11:54

Report Date: 03.06.2020 17:46

Project Manager: Debbie Simmons

<i>Analysis Requested</i>	<i>Lab Id:</i>	654090-031	654090-032	654090-033	654090-034		
	<i>Field Id:</i>	HD-12	HD-13	HD-14	HD-15		
	<i>Depth:</i>	0-6 In	0-6 In	0-6 In	0-6 In		
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL		
	<i>Sampled:</i>	02.27.2020 13:30	02.27.2020 13:45	02.27.2020 14:00	02.27.2020 14:15		
BTEX by EPA 8021B SUB: T104704219-19-21	<i>Extracted:</i>	03.05.2020 14:00	03.05.2020 14:00	03.05.2020 14:00	03.05.2020 14:00		
	<i>Analyzed:</i>	03.05.2020 21:08	03.05.2020 21:34	03.05.2020 22:00	03.05.2020 22:27		
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Benzene		<0.000994 0.000994	<0.000994 0.000994	<0.000994 0.000994	<0.000992 0.000992		
Toluene		<0.000994 0.000994	<0.000994 0.000994	<0.000994 0.000994	<0.000992 0.000992		
Ethylbenzene		<0.000994 0.000994	<0.000994 0.000994	<0.000994 0.000994	<0.000992 0.000992		
m,p-Xylenes		<0.00199 0.00199	<0.00199 0.00199	<0.00199 0.00199	<0.00198 0.00198		
o-Xylene		<0.000994 0.000994	<0.000994 0.000994	<0.000994 0.000994	<0.000992 0.000992		
Total Xylenes		<0.000994 0.000994	<0.000994 0.000994	<0.000994 0.000994	<0.000992 0.000992		
Total BTEX		<0.000994 0.000994	<0.000994 0.000994	<0.000994 0.000994	<0.000992 0.000992		
Chloride by EPA 300	<i>Extracted:</i>		03.04.2020 11:40				
	<i>Analyzed:</i>		03.04.2020 13:48				
	<i>Units/RL:</i>		mg/kg RL				
Chloride			<5.00 5.00				
TPH By SW8015 Mod	<i>Extracted:</i>	02.29.2020 10:00	02.29.2020 10:00	02.29.2020 10:00	02.29.2020 10:00		
	<i>Analyzed:</i>	03.01.2020 04:39	03.01.2020 05:00	03.01.2020 05:21	03.01.2020 05:42		
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Gasoline Range Hydrocarbons (GRO)		<49.9 49.9	<50.0 50.0	<49.9 49.9	<50.0 50.0		
Diesel Range Organics (DRO)		<49.9 49.9	<50.0 50.0	<49.9 49.9	<50.0 50.0		
Motor Oil Range Hydrocarbons (MRO)		<49.9 49.9	<50.0 50.0	<49.9 49.9	<50.0 50.0		
Total TPH		<49.9 49.9	<50.0 50.0	<49.9 49.9	<50.0 50.0		

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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

Debbie Simmons
Project Manager



Analytical Report 654090

for

GHD Services, INC- Midland

Project Manager: Tom Larson

Enlink Falcon Spill

11205561-01

03.06.2020

Collected By: Client



**1211 W. Florida Ave
Midland TX 79701**

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

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

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



03.06.2020

Project Manager: **Tom Larson**
GHD Services, INC- Midland
2135 S Loop 250 W
Midland, TX 79703

Reference: XENCO Report No(s): **654090**
Enlink Falcon Spill
Project Address:

Tom Larson:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 654090. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 654090 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

A handwritten signature in black ink that reads 'Debbie Simmons'. The signature is written in a cursive, flowing style.

Debbie Simmons
Project Manager

A Small Business and Minority Company

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



Sample Cross Reference 654090

GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SL-1A	S	02.27.2020 10:55	5 ft	654090-001
SL-2A	S	02.27.2020 11:05	5 ft	654090-002
SL-3A	S	02.27.2020 11:20	4.5 ft	654090-003
SL-4A	S	02.27.2020 11:50	4.5 ft	654090-004
SL-5A	S	02.27.2020 11:55	4.5 ft	654090-005
SL-6A	S	02.27.2020 12:20	4.5 ft	654090-006
SL-7A	S	02.27.2020 12:30	5 ft	654090-007
SL-8A	S	02.27.2020 12:35	5 ft	654090-008
SL-10A	S	02.27.2020 12:40	5 ft	654090-009
SL-11A	S	02.27.2020 13:20	5 ft	654090-010
SL-12A	S	02.27.2020 11:35	4 ft	654090-011
SL-13A	S	02.27.2020 13:35	5.5 ft	654090-012
SL-14A	S	02.27.2020 13:55	5 ft	654090-013
SL-15A	S	02.27.2020 14:20	4.5 ft	654090-014
ES-11	S	02.27.2020 15:00	3.5 ft	654090-015
ES-7A	S	02.27.2020 14:30	3 ft	654090-016
SL-16	S	02.27.2020 15:30	7 ft	654090-017
SL-17	S	02.27.2020 16:00	7.5 ft	654090-018
SL-18	S	02.27.2020 16:45	8 ft	654090-019
HD-1	S	02.27.2020 10:45	0 - 6 In	654090-020
HD-2	S	02.27.2020 11:00	0 - 6 In	654090-021
HD-3	S	02.27.2020 11:15	0 - 6 In	654090-022
HD-4	S	02.27.2020 11:30	0 - 6 In	654090-023
HD-5	S	02.27.2020 11:45	0 - 6 In	654090-024
HD-6	S	02.27.2020 12:00	0 - 6 In	654090-025
HD-7	S	02.27.2020 12:15	0 - 6 In	654090-026
HD-8	S	02.27.2020 12:30	0 - 6 In	654090-027
HD-9	S	02.27.2020 12:45	0 - 6 In	654090-028
HD-10	S	02.27.2020 13:00	0 - 6 In	654090-029
HD-11	S	02.27.2020 13:15	0 - 6 In	654090-030
HD-12	S	02.27.2020 13:30	0 - 6 In	654090-031
HD-13	S	02.27.2020 13:45	0 - 6 In	654090-032
HD-14	S	02.27.2020 14:00	0 - 6 In	654090-033
HD-15	S	02.27.2020 14:15	0 - 6 In	654090-034

**CASE NARRATIVE****Client Name: GHD Services, INC- Midland****Project Name: Enlink Falcon Spill**Project ID: 11205561-01
Work Order Number(s): 654090Report Date: 03.06.2020
Date Received: 02.28.2020**Sample receipt non conformances and comments:**

03.02.20: per Tom Larson, run chlorides on the following 5 samples:

SL-5A @4.5 FT

SL-12A @4 FT

SL-15A @4.5 F

HD-2

HD-13

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3118615 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered below QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 654090-001 S.

Lab Sample ID 654090-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene Relative Percent Difference (RPD) between matrix spike and duplicate were above quality control limits.

Samples in the analytical batch are: 654090-001, -010, -011, -012, -013, -014, -015, -016, -017, -018, -019, -021, -022, -023, -024, -025, -026, -027, -028, -029

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Outlier/s are due to possible matrix interference.

Batch: LBA-3118632 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Surrogate 4-Bromofluorobenzene recovered above QC limits Data confirmed by re-analysis. Samples affected are: 7698138-1-BKS, 7698138-1-BLK, 7698138-1-BSD, 654387-002 S, 654387-002

SD, 654090-006, 654090-005, 654090-002, 654090-007, 654090-009.

Surrogate a,a,a-Trifluorotoluene recovered above QC limits Data confirmed by re-analysis. Samples affected are: 7698138-1-BLK, 654387-002 S, 654387-002 SD, 654090-002, 654090-005, 654090-

007, 654090-009.

Batch: LBA-3118765 BTEX by EPA 8021B

Surrogate a,a,a-Trifluorotoluene recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 654090-004.

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.



CASE NARRATIVE

Client Name: GHD Services, INC- Midland

Project Name: Enlink Falcon Spill

Project ID: 11205561-01
Work Order Number(s): 654090

Report Date: 03.06.2020
Date Received: 02.28.2020



Certificate of Analytical Results 654090

GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **SL-1A**
Lab Sample Id: 654090-001

Matrix: Soil
Date Collected: 02.27.2020 10:55

Date Received: 02.28.2020 11:54
Sample Depth: 5 ft

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3118189

Date Prep: 02.29.2020 10:00

Prep Method: SW8015P

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.29.2020 14:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	425	49.9	mg/kg	02.29.2020 14:43		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.29.2020 14:43	U	1
Total TPH	PHCG35	425	49.9	mg/kg	02.29.2020 14:43		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	02.29.2020 14:43	
o-Terphenyl	84-15-1	108	%	70-135	02.29.2020 14:43	

Analytical Method: BTEX by EPA 8021B

Tech: MIT

Analyst: MIT

Seq Number: 3118615

Date Prep: 03.04.2020 15:00

Prep Method: SW5030B

% Moisture:

Basis: Wet Weight

SUB: T104704219-19-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00100	0.00100	mg/kg	03.04.2020 21:54	UF	1
Toluene	108-88-3	<0.00100	0.00100	mg/kg	03.04.2020 21:54	UF	1
Ethylbenzene	100-41-4	<0.00100	0.00100	mg/kg	03.04.2020 21:54	UF	1
m,p-Xylenes	179601-23-1	0.00551	0.00200	mg/kg	03.04.2020 21:54	F	1
o-Xylene	95-47-6	0.00170	0.00100	mg/kg	03.04.2020 21:54	F	1
Total Xylenes	1330-20-7	0.00721	0.00100	mg/kg	03.04.2020 21:54		1
Total BTEX		0.00721	0.00100	mg/kg	03.04.2020 21:54		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	117	%	68-120	03.04.2020 21:54	
a,a,a-Trifluorotoluene	98-08-8	111	%	71-121	03.04.2020 21:54	



Certificate of Analytical Results 654090

GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **SL-2A**
Lab Sample Id: 654090-002

Matrix: Soil
Date Collected: 02.27.2020 11:05

Date Received: 02.28.2020 11:54
Sample Depth: 5 ft

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3118189

Prep Method: SW8015P

% Moisture:

Date Prep: 02.29.2020 10:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.29.2020 15:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.29.2020 15:45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.29.2020 15:45	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.29.2020 15:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	02.29.2020 15:45	
o-Terphenyl	84-15-1	103	%	70-135	02.29.2020 15:45	

Analytical Method: BTEX by EPA 8021B

Tech: MIT

Analyst: MIT

Seq Number: 3118632

Prep Method: SW5030B

% Moisture:

Date Prep: 03.04.2020 14:30

Basis: Wet Weight

SUB: T104704219-19-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00101	0.00101	mg/kg	03.05.2020 05:28	U	1
Toluene	108-88-3	<0.00101	0.00101	mg/kg	03.05.2020 05:28	U	1
Ethylbenzene	100-41-4	<0.00101	0.00101	mg/kg	03.05.2020 05:28	U	1
m,p-Xylenes	179601-23-1	<0.00202	0.00202	mg/kg	03.05.2020 05:28	U	1
o-Xylene	95-47-6	<0.00101	0.00101	mg/kg	03.05.2020 05:28	U	1
Total Xylenes	1330-20-7	<0.00101	0.00101	mg/kg	03.05.2020 05:28	U	1
Total BTEX		<0.00101	0.00101	mg/kg	03.05.2020 05:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	123	%	68-120	03.05.2020 05:28	**
a,a,a-Trifluorotoluene	98-08-8	123	%	71-121	03.05.2020 05:28	**



Certificate of Analytical Results 654090

GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **SL-3A**
Lab Sample Id: 654090-003

Matrix: Soil
Date Collected: 02.27.2020 11:20

Date Received: 02.28.2020 11:54
Sample Depth: 4.5 ft

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3118189

Prep Method: SW8015P

% Moisture:

Date Prep: 02.29.2020 10:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.29.2020 16:06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.29.2020 16:06	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.29.2020 16:06	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.29.2020 16:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	02.29.2020 16:06	
o-Terphenyl	84-15-1	103	%	70-135	02.29.2020 16:06	

Analytical Method: BTEX by EPA 8021B

Tech: MIT

Analyst: MIT

Seq Number: 3118632

Prep Method: SW5030B

% Moisture:

Date Prep: 03.04.2020 14:30

Basis: Wet Weight

SUB: T104704219-19-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00101	0.00101	mg/kg	03.05.2020 05:52	U	1
Toluene	108-88-3	<0.00101	0.00101	mg/kg	03.05.2020 05:52	U	1
Ethylbenzene	100-41-4	<0.00101	0.00101	mg/kg	03.05.2020 05:52	U	1
m,p-Xylenes	179601-23-1	<0.00202	0.00202	mg/kg	03.05.2020 05:52	U	1
o-Xylene	95-47-6	<0.00101	0.00101	mg/kg	03.05.2020 05:52	U	1
Total Xylenes	1330-20-7	<0.00101	0.00101	mg/kg	03.05.2020 05:52	U	1
Total BTEX		<0.00101	0.00101	mg/kg	03.05.2020 05:52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	111	%	68-120	03.05.2020 05:52	
a,a,a-Trifluorotoluene	98-08-8	111	%	71-121	03.05.2020 05:52	



Certificate of Analytical Results 654090

GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **SL-4A**
Lab Sample Id: 654090-004

Matrix: Soil
Date Collected: 02.27.2020 11:50

Date Received: 02.28.2020 11:54
Sample Depth: 4.5 ft

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3118189

Date Prep: 02.29.2020 10:00

Prep Method: SW8015P

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	4890	250	mg/kg	03.01.2020 09:14		5
Diesel Range Organics (DRO)	C10C28DRO	8480	250	mg/kg	03.01.2020 09:14		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	860	250	mg/kg	03.01.2020 09:14		5
Total TPH	PHCG35	14200	250	mg/kg	03.01.2020 09:14		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-135	03.01.2020 09:14	
o-Terphenyl	84-15-1	100	%	70-135	03.01.2020 09:14	

Analytical Method: BTEX by EPA 8021B

Tech: MIT

Analyst: MIT

Seq Number: 3118765

Date Prep: 03.05.2020 14:00

Prep Method: SW5030B

% Moisture:

Basis: Wet Weight

SUB: T104704219-19-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	0.165	0.0201	mg/kg	03.05.2020 22:53		20
Toluene	108-88-3	2.08	0.0201	mg/kg	03.05.2020 22:53		20
Ethylbenzene	100-41-4	0.602	0.0201	mg/kg	03.05.2020 22:53		20
m,p-Xylenes	179601-23-1	5.63	0.0402	mg/kg	03.05.2020 22:53		20
o-Xylene	95-47-6	1.81	0.0201	mg/kg	03.05.2020 22:53		20
Total Xylenes	1330-20-7	7.44	0.0201	mg/kg	03.05.2020 22:53		20
Total BTEX		10.3	0.0201	mg/kg	03.05.2020 22:53		20

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	102	%	68-120	03.05.2020 22:53	
a,a,a-Trifluorotoluene	98-08-8	157	%	71-121	03.05.2020 22:53	**



Certificate of Analytical Results 654090

GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **SL-5A** Matrix: Soil Date Received: 02.28.2020 11:54
 Lab Sample Id: 654090-005 Date Collected: 02.27.2020 11:55 Sample Depth: 4.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.04.2020 11:40 Basis: Wet Weight
 Seq Number: 3118568

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	5.40	4.99	mg/kg	03.04.2020 13:17		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: ARM % Moisture:
 Analyst: ARM Date Prep: 02.29.2020 10:00 Basis: Wet Weight
 Seq Number: 3118189

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.29.2020 16:48	U	1
Diesel Range Organics (DRO)	C10C28DRO	128	50.0	mg/kg	02.29.2020 16:48		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	53.4	50.0	mg/kg	02.29.2020 16:48		1
Total TPH	PHC635	181	50.0	mg/kg	02.29.2020 16:48		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	02.29.2020 16:48	
o-Terphenyl	84-15-1	108	%	70-135	02.29.2020 16:48	



Certificate of Analytical Results 654090

GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **SL-5A**
 Lab Sample Id: 654090-005

Matrix: Soil
 Date Collected: 02.27.2020 11:55

Date Received: 02.28.2020 11:54
 Sample Depth: 4.5 ft

Analytical Method: BTEX by EPA 8021B

Tech: MIT

Analyst: MIT

Seq Number: 3118632

Prep Method: SW5030B

% Moisture:

Date Prep: 03.04.2020 14:30

Basis: Wet Weight

SUB: T104704219-19-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000994	0.000994	mg/kg	03.05.2020 06:41	U	1
Toluene	108-88-3	0.00358	0.000994	mg/kg	03.05.2020 06:41		1
Ethylbenzene	100-41-4	0.00835	0.000994	mg/kg	03.05.2020 06:41		1
m,p-Xylenes	179601-23-1	0.0333	0.00199	mg/kg	03.05.2020 06:41		1
o-Xylene	95-47-6	0.0101	0.000994	mg/kg	03.05.2020 06:41		1
Total Xylenes	1330-20-7	0.0434	0.000994	mg/kg	03.05.2020 06:41		1
Total BTEX		0.0553	0.000994	mg/kg	03.05.2020 06:41		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	151	%	68-120	03.05.2020 06:41	**
a,a,a-Trifluorotoluene	98-08-8	127	%	71-121	03.05.2020 06:41	**



Certificate of Analytical Results 654090

GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **SL-6A**
Lab Sample Id: 654090-006

Matrix: Soil
Date Collected: 02.27.2020 12:20

Date Received: 02.28.2020 11:54
Sample Depth: 4.5 ft

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3118189

Prep Method: SW8015P

% Moisture:

Date Prep: 02.29.2020 10:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.29.2020 17:09	U	1
Diesel Range Organics (DRO)	C10C28DRO	61.1	49.8	mg/kg	02.29.2020 17:09		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.29.2020 17:09	U	1
Total TPH	PHCG35	61.1	49.8	mg/kg	02.29.2020 17:09		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	02.29.2020 17:09	
o-Terphenyl	84-15-1	104	%	70-135	02.29.2020 17:09	

Analytical Method: BTEX by EPA 8021B

Tech: MIT

Analyst: MIT

Seq Number: 3118632

Prep Method: SW5030B

% Moisture:

Date Prep: 03.04.2020 14:30

Basis: Wet Weight

SUB: T104704219-19-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00101	0.00101	mg/kg	03.05.2020 07:05	U	1
Toluene	108-88-3	<0.00101	0.00101	mg/kg	03.05.2020 07:05	U	1
Ethylbenzene	100-41-4	<0.00101	0.00101	mg/kg	03.05.2020 07:05	U	1
m,p-Xylenes	179601-23-1	0.00604	0.00201	mg/kg	03.05.2020 07:05		1
o-Xylene	95-47-6	<0.00101	0.00101	mg/kg	03.05.2020 07:05	U	1
Total Xylenes	1330-20-7	0.00604	0.00101	mg/kg	03.05.2020 07:05		1
Total BTEX		0.00604	0.00101	mg/kg	03.05.2020 07:05		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	128	%	68-120	03.05.2020 07:05	**
a,a,a-Trifluorotoluene	98-08-8	121	%	71-121	03.05.2020 07:05	



Certificate of Analytical Results 654090

GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **SL-7A**
Lab Sample Id: 654090-007

Matrix: Soil
Date Collected: 02.27.2020 12:30

Date Received: 02.28.2020 11:54
Sample Depth: 5 ft

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3118189

Date Prep: 02.29.2020 10:00

Prep Method: SW8015P

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	65.0	49.9	mg/kg	02.29.2020 17:30		1
Diesel Range Organics (DRO)	C10C28DRO	662	49.9	mg/kg	02.29.2020 17:30		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	71.5	49.9	mg/kg	02.29.2020 17:30		1
Total TPH	PHCG35	799	49.9	mg/kg	02.29.2020 17:30		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	02.29.2020 17:30	
o-Terphenyl	84-15-1	113	%	70-135	02.29.2020 17:30	

Analytical Method: BTEX by EPA 8021B

Tech: MIT

Analyst: MIT

Seq Number: 3118632

Date Prep: 03.04.2020 14:30

Prep Method: SW5030B

% Moisture:

Basis: Wet Weight

SUB: T104704219-19-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000996	0.000996	mg/kg	03.05.2020 07:30	U	1
Toluene	108-88-3	<0.000996	0.000996	mg/kg	03.05.2020 07:30	U	1
Ethylbenzene	100-41-4	0.000996	0.000996	mg/kg	03.05.2020 07:30		1
m,p-Xylenes	179601-23-1	0.00279	0.00199	mg/kg	03.05.2020 07:30		1
o-Xylene	95-47-6	0.00199	0.000996	mg/kg	03.05.2020 07:30		1
Total Xylenes	1330-20-7	0.00478	0.000996	mg/kg	03.05.2020 07:30		1
Total BTEX		0.00578	0.000996	mg/kg	03.05.2020 07:30		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	131	%	68-120	03.05.2020 07:30	**
a,a,a-Trifluorotoluene	98-08-8	123	%	71-121	03.05.2020 07:30	**



Certificate of Analytical Results 654090

GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **SL-8A**
Lab Sample Id: 654090-008

Matrix: Soil
Date Collected: 02.27.2020 12:35

Date Received: 02.28.2020 11:54
Sample Depth: 5 ft

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3118189

Date Prep: 02.29.2020 10:00

Prep Method: SW8015P

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.29.2020 17:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	115	49.9	mg/kg	02.29.2020 17:51		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.29.2020 17:51	U	1
Total TPH	PHCG35	115	49.9	mg/kg	02.29.2020 17:51		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	02.29.2020 17:51	
o-Terphenyl	84-15-1	103	%	70-135	02.29.2020 17:51	

Analytical Method: BTEX by EPA 8021B

Tech: MIT

Analyst: MIT

Seq Number: 3118632

Date Prep: 03.04.2020 14:30

Prep Method: SW5030B

% Moisture:

Basis: Wet Weight

SUB: T104704219-19-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000990	0.000990	mg/kg	03.05.2020 07:54	U	1
Toluene	108-88-3	<0.000990	0.000990	mg/kg	03.05.2020 07:54	U	1
Ethylbenzene	100-41-4	<0.000990	0.000990	mg/kg	03.05.2020 07:54	U	1
m,p-Xylenes	179601-23-1	0.00198	0.00198	mg/kg	03.05.2020 07:54		1
o-Xylene	95-47-6	<0.000990	0.000990	mg/kg	03.05.2020 07:54	U	1
Total Xylenes	1330-20-7	0.00198	0.000990	mg/kg	03.05.2020 07:54		1
Total BTEX		0.00198	0.000990	mg/kg	03.05.2020 07:54		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	101	%	68-120	03.05.2020 07:54	
a,a,a-Trifluorotoluene	98-08-8	97	%	71-121	03.05.2020 07:54	



Certificate of Analytical Results 654090

GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **SL-10A**
Lab Sample Id: 654090-009

Matrix: Soil
Date Collected: 02.27.2020 12:40

Date Received: 02.28.2020 11:54
Sample Depth: 5 ft

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3118189

Prep Method: SW8015P

% Moisture:

Date Prep: 02.29.2020 10:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.29.2020 18:12	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.29.2020 18:12	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.29.2020 18:12	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.29.2020 18:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	02.29.2020 18:12	
o-Terphenyl	84-15-1	104	%	70-135	02.29.2020 18:12	

Analytical Method: BTEX by EPA 8021B

Tech: MIT

Analyst: MIT

Seq Number: 3118632

Prep Method: SW5030B

% Moisture:

Date Prep: 03.04.2020 14:30

Basis: Wet Weight

SUB: T104704219-19-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000990	0.000990	mg/kg	03.05.2020 08:18	U	1
Toluene	108-88-3	<0.000990	0.000990	mg/kg	03.05.2020 08:18	U	1
Ethylbenzene	100-41-4	<0.000990	0.000990	mg/kg	03.05.2020 08:18	U	1
m,p-Xylenes	179601-23-1	<0.00198	0.00198	mg/kg	03.05.2020 08:18	U	1
o-Xylene	95-47-6	<0.000990	0.000990	mg/kg	03.05.2020 08:18	U	1
Total Xylenes	1330-20-7	<0.000990	0.000990	mg/kg	03.05.2020 08:18	U	1
Total BTEX		<0.000990	0.000990	mg/kg	03.05.2020 08:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	126	%	68-120	03.05.2020 08:18	**
a,a,a-Trifluorotoluene	98-08-8	125	%	71-121	03.05.2020 08:18	**



Certificate of Analytical Results 654090

GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **SL-11A**
Lab Sample Id: 654090-010

Matrix: Soil
Date Collected: 02.27.2020 13:20

Date Received: 02.28.2020 11:54
Sample Depth: 5 ft

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3118189

Prep Method: SW8015P

% Moisture:

Date Prep: 02.29.2020 10:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.29.2020 18:33	U	1
Diesel Range Organics (DRO)	C10C28DRO	94.6	50.0	mg/kg	02.29.2020 18:33		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.29.2020 18:33	U	1
Total TPH	PHCG35	94.6	50.0	mg/kg	02.29.2020 18:33		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	02.29.2020 18:33	
o-Terphenyl	84-15-1	103	%	70-135	02.29.2020 18:33	

Analytical Method: BTEX by EPA 8021B

Tech: MIT

Analyst: MIT

Seq Number: 3118615

Prep Method: SW5030B

% Moisture:

Date Prep: 03.04.2020 15:00

Basis: Wet Weight

SUB: T104704219-19-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00100	0.00100	mg/kg	03.04.2020 23:41	U	1
Toluene	108-88-3	<0.00100	0.00100	mg/kg	03.04.2020 23:41	U	1
Ethylbenzene	100-41-4	<0.00100	0.00100	mg/kg	03.04.2020 23:41	U	1
m,p-Xylenes	179601-23-1	<0.00201	0.00201	mg/kg	03.04.2020 23:41	U	1
o-Xylene	95-47-6	<0.00100	0.00100	mg/kg	03.04.2020 23:41	U	1
Total Xylenes	1330-20-7	<0.00100	0.00100	mg/kg	03.04.2020 23:41	U	1
Total BTEX		<0.00100	0.00100	mg/kg	03.04.2020 23:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	113	%	68-120	03.04.2020 23:41	
a,a,a-Trifluorotoluene	98-08-8	109	%	71-121	03.04.2020 23:41	



Certificate of Analytical Results 654090

GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **SL-12A** Matrix: Soil Date Received: 02.28.2020 11:54
 Lab Sample Id: 654090-011 Date Collected: 02.27.2020 11:35 Sample Depth: 4 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.04.2020 11:40 Basis: Wet Weight
 Seq Number: 3118568

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.95	4.95	mg/kg	03.04.2020 13:22	U	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: ARM % Moisture:
 Analyst: ARM Date Prep: 02.29.2020 10:00 Basis: Wet Weight
 Seq Number: 3118189

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.29.2020 19:15	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.29.2020 19:15	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.29.2020 19:15	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.29.2020 19:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	02.29.2020 19:15	
o-Terphenyl	84-15-1	103	%	70-135	02.29.2020 19:15	



Certificate of Analytical Results 654090

GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **SL-12A**
Lab Sample Id: 654090-011

Matrix: Soil
Date Collected: 02.27.2020 11:35

Date Received: 02.28.2020 11:54
Sample Depth: 4 ft

Analytical Method: BTEX by EPA 8021B

Tech: MIT

Analyst: MIT

Seq Number: 3118615

Prep Method: SW5030B

% Moisture:

Date Prep: 03.04.2020 15:00

Basis: Wet Weight

SUB: T104704219-19-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000994	0.000994	mg/kg	03.05.2020 00:08	U	1
Toluene	108-88-3	<0.000994	0.000994	mg/kg	03.05.2020 00:08	U	1
Ethylbenzene	100-41-4	<0.000994	0.000994	mg/kg	03.05.2020 00:08	U	1
m,p-Xylenes	179601-23-1	<0.00199	0.00199	mg/kg	03.05.2020 00:08	U	1
o-Xylene	95-47-6	<0.000994	0.000994	mg/kg	03.05.2020 00:08	U	1
Total Xylenes	1330-20-7	<0.000994	0.000994	mg/kg	03.05.2020 00:08	U	1
Total BTEX		<0.000994	0.000994	mg/kg	03.05.2020 00:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	111	%	68-120	03.05.2020 00:08	
a,a,a-Trifluorotoluene	98-08-8	110	%	71-121	03.05.2020 00:08	



Certificate of Analytical Results 654090

GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **SL-13A**
Lab Sample Id: 654090-012

Matrix: Soil
Date Collected: 02.27.2020 13:35

Date Received: 02.28.2020 11:54
Sample Depth: 5.5 ft

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3118189

Prep Method: SW8015P

% Moisture:

Date Prep: 02.29.2020 10:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.29.2020 19:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	85.9	50.0	mg/kg	02.29.2020 19:36		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.29.2020 19:36	U	1
Total TPH	PHCG35	85.9	50.0	mg/kg	02.29.2020 19:36		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-135	02.29.2020 19:36	
o-Terphenyl	84-15-1	106	%	70-135	02.29.2020 19:36	

Analytical Method: BTEX by EPA 8021B

Tech: MIT

Analyst: MIT

Seq Number: 3118615

Prep Method: SW5030B

% Moisture:

Date Prep: 03.04.2020 15:00

Basis: Wet Weight

SUB: T104704219-19-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000990	0.000990	mg/kg	03.05.2020 00:35	U	1
Toluene	108-88-3	<0.000990	0.000990	mg/kg	03.05.2020 00:35	U	1
Ethylbenzene	100-41-4	<0.000990	0.000990	mg/kg	03.05.2020 00:35	U	1
m,p-Xylenes	179601-23-1	<0.00198	0.00198	mg/kg	03.05.2020 00:35	U	1
o-Xylene	95-47-6	<0.000990	0.000990	mg/kg	03.05.2020 00:35	U	1
Total Xylenes	1330-20-7	<0.000990	0.000990	mg/kg	03.05.2020 00:35	U	1
Total BTEX		<0.000990	0.000990	mg/kg	03.05.2020 00:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	111	%	68-120	03.05.2020 00:35	
a,a,a-Trifluorotoluene	98-08-8	107	%	71-121	03.05.2020 00:35	



Certificate of Analytical Results 654090

GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **SL-14A**
Lab Sample Id: 654090-013

Matrix: Soil
Date Collected: 02.27.2020 13:55

Date Received: 02.28.2020 11:54
Sample Depth: 5 ft

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3118189

Date Prep: 02.29.2020 10:00

Prep Method: SW8015P

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.29.2020 19:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.29.2020 19:56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.29.2020 19:56	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.29.2020 19:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	02.29.2020 19:56	
o-Terphenyl	84-15-1	103	%	70-135	02.29.2020 19:56	

Analytical Method: BTEX by EPA 8021B

Tech: MIT

Analyst: MIT

Seq Number: 3118615

Date Prep: 03.04.2020 15:00

Prep Method: SW5030B

% Moisture:

Basis: Wet Weight

SUB: T104704219-19-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000994	0.000994	mg/kg	03.05.2020 01:02	U	1
Toluene	108-88-3	<0.000994	0.000994	mg/kg	03.05.2020 01:02	U	1
Ethylbenzene	100-41-4	<0.000994	0.000994	mg/kg	03.05.2020 01:02	U	1
m,p-Xylenes	179601-23-1	<0.00199	0.00199	mg/kg	03.05.2020 01:02	U	1
o-Xylene	95-47-6	<0.000994	0.000994	mg/kg	03.05.2020 01:02	U	1
Total Xylenes	1330-20-7	<0.000994	0.000994	mg/kg	03.05.2020 01:02	U	1
Total BTEX		<0.000994	0.000994	mg/kg	03.05.2020 01:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	111	%	68-120	03.05.2020 01:02	
a,a,a-Trifluorotoluene	98-08-8	107	%	71-121	03.05.2020 01:02	



Certificate of Analytical Results 654090

GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **SL-15A** Matrix: Soil Date Received: 02.28.2020 11:54
 Lab Sample Id: 654090-014 Date Collected: 02.27.2020 14:20 Sample Depth: 4.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.04.2020 11:40 Basis: Wet Weight
 Seq Number: 3118568

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.97	4.97	mg/kg	03.04.2020 13:27	U	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: ARM % Moisture:
 Analyst: ARM Date Prep: 02.29.2020 10:00 Basis: Wet Weight
 Seq Number: 3118189

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.29.2020 20:17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.29.2020 20:17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.29.2020 20:17	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.29.2020 20:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	02.29.2020 20:17	
o-Terphenyl	84-15-1	102	%	70-135	02.29.2020 20:17	



Certificate of Analytical Results 654090

GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **SL-15A**
 Lab Sample Id: 654090-014

Matrix: Soil
 Date Collected: 02.27.2020 14:20

Date Received: 02.28.2020 11:54
 Sample Depth: 4.5 ft

Analytical Method: BTEX by EPA 8021B

Tech: MIT

Analyst: MIT

Seq Number: 3118615

Prep Method: SW5030B

% Moisture:

Date Prep: 03.04.2020 15:00

Basis: Wet Weight

SUB: T104704219-19-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00100	0.00100	mg/kg	03.05.2020 01:29	U	1
Toluene	108-88-3	<0.00100	0.00100	mg/kg	03.05.2020 01:29	U	1
Ethylbenzene	100-41-4	<0.00100	0.00100	mg/kg	03.05.2020 01:29	U	1
m,p-Xylenes	179601-23-1	<0.00200	0.00200	mg/kg	03.05.2020 01:29	U	1
o-Xylene	95-47-6	<0.00100	0.00100	mg/kg	03.05.2020 01:29	U	1
Total Xylenes	1330-20-7	<0.00100	0.00100	mg/kg	03.05.2020 01:29	U	1
Total BTEX		<0.00100	0.00100	mg/kg	03.05.2020 01:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	112	%	68-120	03.05.2020 01:29	
a,a,a-Trifluorotoluene	98-08-8	107	%	71-121	03.05.2020 01:29	



Certificate of Analytical Results 654090

GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: ES-11 Matrix: Soil Date Received: 02.28.2020 11:54
 Lab Sample Id: 654090-015 Date Collected: 02.27.2020 15:00 Sample Depth: 3.5 ft
 Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: ARM % Moisture:
 Analyst: ARM Date Prep: 02.29.2020 10:00 Basis: Wet Weight
 Seq Number: 3118189

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.29.2020 20:38	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.29.2020 20:38	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.29.2020 20:38	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.29.2020 20:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-135	02.29.2020 20:38	
o-Terphenyl	84-15-1	105	%	70-135	02.29.2020 20:38	

Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B
 Tech: MIT % Moisture:
 Analyst: MIT Date Prep: 03.04.2020 15:00 Basis: Wet Weight
 Seq Number: 3118615 SUB: T104704219-19-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000992	0.000992	mg/kg	03.05.2020 01:56	U	1
Toluene	108-88-3	<0.000992	0.000992	mg/kg	03.05.2020 01:56	U	1
Ethylbenzene	100-41-4	<0.000992	0.000992	mg/kg	03.05.2020 01:56	U	1
m,p-Xylenes	179601-23-1	<0.00198	0.00198	mg/kg	03.05.2020 01:56	U	1
o-Xylene	95-47-6	<0.000992	0.000992	mg/kg	03.05.2020 01:56	U	1
Total Xylenes	1330-20-7	<0.000992	0.000992	mg/kg	03.05.2020 01:56	U	1
Total BTEX		<0.000992	0.000992	mg/kg	03.05.2020 01:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	112	%	68-120	03.05.2020 01:56	
a,a,a-Trifluorotoluene	98-08-8	107	%	71-121	03.05.2020 01:56	



Certificate of Analytical Results 654090

GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: ES-7A
Lab Sample Id: 654090-016

Matrix: Soil
Date Collected: 02.27.2020 14:30

Date Received: 02.28.2020 11:54
Sample Depth: 3 ft

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3118189

Date Prep: 02.29.2020 10:00

Prep Method: SW8015P

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.29.2020 20:59	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.29.2020 20:59	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.29.2020 20:59	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.29.2020 20:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	02.29.2020 20:59	
o-Terphenyl	84-15-1	106	%	70-135	02.29.2020 20:59	

Analytical Method: BTEX by EPA 8021B

Tech: MIT

Analyst: MIT

Seq Number: 3118615

Date Prep: 03.04.2020 15:00

Prep Method: SW5030B

% Moisture:

Basis: Wet Weight

SUB: T104704219-19-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00100	0.00100	mg/kg	03.05.2020 02:23	U	1
Toluene	108-88-3	<0.00100	0.00100	mg/kg	03.05.2020 02:23	U	1
Ethylbenzene	100-41-4	<0.00100	0.00100	mg/kg	03.05.2020 02:23	U	1
m,p-Xylenes	179601-23-1	<0.00201	0.00201	mg/kg	03.05.2020 02:23	U	1
o-Xylene	95-47-6	<0.00100	0.00100	mg/kg	03.05.2020 02:23	U	1
Total Xylenes	1330-20-7	<0.00100	0.00100	mg/kg	03.05.2020 02:23	U	1
Total BTEX		<0.00100	0.00100	mg/kg	03.05.2020 02:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	111	%	68-120	03.05.2020 02:23	
a,a,a-Trifluorotoluene	98-08-8	111	%	71-121	03.05.2020 02:23	



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GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **SL-16** Matrix: Soil Date Received: 02.28.2020 11:54
 Lab Sample Id: 654090-017 Date Collected: 02.27.2020 15:30 Sample Depth: 7 ft
 Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: ARM % Moisture:
 Analyst: ARM Date Prep: 02.29.2020 10:00 Basis: Wet Weight
 Seq Number: 3118189

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	169	50.0	mg/kg	02.29.2020 21:20		1
Diesel Range Organics (DRO)	C10C28DRO	701	50.0	mg/kg	02.29.2020 21:20		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	56.9	50.0	mg/kg	02.29.2020 21:20		1
Total TPH	PHCG35	927	50.0	mg/kg	02.29.2020 21:20		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	02.29.2020 21:20	
o-Terphenyl	84-15-1	102	%	70-135	02.29.2020 21:20	

Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B
 Tech: MIT % Moisture:
 Analyst: MIT Date Prep: 03.04.2020 15:00 Basis: Wet Weight
 Seq Number: 3118615 SUB: T104704219-19-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00100	0.00100	mg/kg	03.05.2020 02:50	U	1
Toluene	108-88-3	<0.00100	0.00100	mg/kg	03.05.2020 02:50	U	1
Ethylbenzene	100-41-4	<0.00100	0.00100	mg/kg	03.05.2020 02:50	U	1
m,p-Xylenes	179601-23-1	0.0507	0.00201	mg/kg	03.05.2020 02:50		1
o-Xylene	95-47-6	0.0190	0.00100	mg/kg	03.05.2020 02:50		1
Total Xylenes	1330-20-7	0.0697	0.00100	mg/kg	03.05.2020 02:50		1
Total BTEX		0.0697	0.00100	mg/kg	03.05.2020 02:50		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	131	%	68-120	03.05.2020 02:50	**
a,a,a-Trifluorotoluene	98-08-8	108	%	71-121	03.05.2020 02:50	



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GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **SL-17**
Lab Sample Id: 654090-018

Matrix: Soil
Date Collected: 02.27.2020 16:00

Date Received: 02.28.2020 11:54
Sample Depth: 7.5 ft

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3118189

Prep Method: SW8015P

% Moisture:

Date Prep: 02.29.2020 10:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.29.2020 21:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.29.2020 21:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.29.2020 21:41	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.29.2020 21:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	02.29.2020 21:41	
o-Terphenyl	84-15-1	97	%	70-135	02.29.2020 21:41	

Analytical Method: BTEX by EPA 8021B

Tech: MIT

Analyst: MIT

Seq Number: 3118615

Prep Method: SW5030B

% Moisture:

Date Prep: 03.04.2020 15:00

Basis: Wet Weight

SUB: T104704219-19-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000994	0.000994	mg/kg	03.05.2020 03:17	U	1
Toluene	108-88-3	<0.000994	0.000994	mg/kg	03.05.2020 03:17	U	1
Ethylbenzene	100-41-4	<0.000994	0.000994	mg/kg	03.05.2020 03:17	U	1
m,p-Xylenes	179601-23-1	<0.00199	0.00199	mg/kg	03.05.2020 03:17	U	1
o-Xylene	95-47-6	<0.000994	0.000994	mg/kg	03.05.2020 03:17	U	1
Total Xylenes	1330-20-7	<0.000994	0.000994	mg/kg	03.05.2020 03:17	U	1
Total BTEX		<0.000994	0.000994	mg/kg	03.05.2020 03:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	110	%	68-120	03.05.2020 03:17	
a,a,a-Trifluorotoluene	98-08-8	108	%	71-121	03.05.2020 03:17	



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GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **SL-18** Matrix: Soil Date Received: 02.28.2020 11:54
 Lab Sample Id: 654090-019 Date Collected: 02.27.2020 16:45 Sample Depth: 8 ft
 Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: ARM % Moisture:
 Analyst: ARM Date Prep: 02.29.2020 10:00 Basis: Wet Weight
 Seq Number: 3118189

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.29.2020 22:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.29.2020 22:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.29.2020 22:02	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.29.2020 22:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	02.29.2020 22:02	
o-Terphenyl	84-15-1	104	%	70-135	02.29.2020 22:02	

Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B
 Tech: MIT % Moisture:
 Analyst: MIT Date Prep: 03.04.2020 15:00 Basis: Wet Weight
 Seq Number: 3118615 SUB: T104704219-19-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00100	0.00100	mg/kg	03.05.2020 05:04	U	1
Toluene	108-88-3	<0.00100	0.00100	mg/kg	03.05.2020 05:04	U	1
Ethylbenzene	100-41-4	<0.00100	0.00100	mg/kg	03.05.2020 05:04	U	1
m,p-Xylenes	179601-23-1	<0.00201	0.00201	mg/kg	03.05.2020 05:04	U	1
o-Xylene	95-47-6	0.00110	0.00100	mg/kg	03.05.2020 05:04		1
Total Xylenes	1330-20-7	0.00110	0.00100	mg/kg	03.05.2020 05:04		1
Total BTEX		0.00110	0.00100	mg/kg	03.05.2020 05:04		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	111	%	68-120	03.05.2020 05:04	
a,a,a-Trifluorotoluene	98-08-8	112	%	71-121	03.05.2020 05:04	



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GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **HD-1** Matrix: Soil Date Received: 02.28.2020 11:54
 Lab Sample Id: 654090-020 Date Collected: 02.27.2020 10:45 Sample Depth: 0 - 6 In
 Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: ARM % Moisture:
 Analyst: ARM Date Prep: 02.29.2020 10:00 Basis: Wet Weight
 Seq Number: 3118189

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.29.2020 22:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.29.2020 22:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.29.2020 22:23	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.29.2020 22:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	02.29.2020 22:23	
o-Terphenyl	84-15-1	101	%	70-135	02.29.2020 22:23	

Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B
 Tech: MIT % Moisture:
 Analyst: MIT Date Prep: 03.05.2020 14:00 Basis: Wet Weight
 Seq Number: 3118765 SUB: T104704219-19-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000996	0.000996	mg/kg	03.05.2020 18:54	U	1
Toluene	108-88-3	<0.000996	0.000996	mg/kg	03.05.2020 18:54	U	1
Ethylbenzene	100-41-4	<0.000996	0.000996	mg/kg	03.05.2020 18:54	U	1
m,p-Xylenes	179601-23-1	<0.00199	0.00199	mg/kg	03.05.2020 18:54	U	1
o-Xylene	95-47-6	<0.000996	0.000996	mg/kg	03.05.2020 18:54	U	1
Total Xylenes	1330-20-7	<0.000996	0.000996	mg/kg	03.05.2020 18:54	U	1
Total BTEX		<0.000996	0.000996	mg/kg	03.05.2020 18:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	68-120	03.05.2020 18:54	
a,a,a-Trifluorotoluene	98-08-8	110	%	71-121	03.05.2020 18:54	



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GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **HD-2** Matrix: Soil Date Received: 02.28.2020 11:54
 Lab Sample Id: 654090-021 Date Collected: 02.27.2020 11:00 Sample Depth: 0 - 6 In
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.04.2020 11:40 Basis: Wet Weight
 Seq Number: 3118568

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<5.02	5.02	mg/kg	03.04.2020 13:32	U	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: ARM % Moisture:
 Analyst: ARM Date Prep: 02.29.2020 10:00 Basis: Wet Weight
 Seq Number: 3118190

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.01.2020 00:07	U	1
Diesel Range Organics (DRO)	C10C28DRO	109	49.9	mg/kg	03.01.2020 00:07		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.01.2020 00:07	U	1
Total TPH	PHC635	109	49.9	mg/kg	03.01.2020 00:07		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	03.01.2020 00:07	
o-Terphenyl	84-15-1	101	%	70-135	03.01.2020 00:07	



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GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **HD-2**
Lab Sample Id: 654090-021

Matrix: Soil
Date Collected: 02.27.2020 11:00

Date Received: 02.28.2020 11:54
Sample Depth: 0 - 6 In

Analytical Method: BTEX by EPA 8021B

Tech: MIT

Analyst: MIT

Seq Number: 3118615

Prep Method: SW5030B

% Moisture:

Date Prep: 03.04.2020 15:00

Basis: Wet Weight

SUB: T104704219-19-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000990	0.000990	mg/kg	03.05.2020 05:31	U	1
Toluene	108-88-3	<0.000990	0.000990	mg/kg	03.05.2020 05:31	U	1
Ethylbenzene	100-41-4	<0.000990	0.000990	mg/kg	03.05.2020 05:31	U	1
m,p-Xylenes	179601-23-1	<0.00198	0.00198	mg/kg	03.05.2020 05:31	U	1
o-Xylene	95-47-6	<0.000990	0.000990	mg/kg	03.05.2020 05:31	U	1
Total Xylenes	1330-20-7	<0.000990	0.000990	mg/kg	03.05.2020 05:31	U	1
Total BTEX		<0.000990	0.000990	mg/kg	03.05.2020 05:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	110	%	68-120	03.05.2020 05:31	
a,a,a-Trifluorotoluene	98-08-8	110	%	71-121	03.05.2020 05:31	



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GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **HD-3**
Lab Sample Id: 654090-022

Matrix: Soil
Date Collected: 02.27.2020 11:15

Date Received: 02.28.2020 11:54
Sample Depth: 0 - 6 In

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3118190

Date Prep: 02.29.2020 10:00

Prep Method: SW8015P

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	03.01.2020 01:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	74.8	49.8	mg/kg	03.01.2020 01:10		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	03.01.2020 01:10	U	1
Total TPH	PHCG35	74.8	49.8	mg/kg	03.01.2020 01:10		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	03.01.2020 01:10	
o-Terphenyl	84-15-1	101	%	70-135	03.01.2020 01:10	

Analytical Method: BTEX by EPA 8021B

Tech: MIT

Analyst: MIT

Seq Number: 3118615

Date Prep: 03.04.2020 15:00

Prep Method: SW5030B

% Moisture:

Basis: Wet Weight

SUB: T104704219-19-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00100	0.00100	mg/kg	03.05.2020 05:58	U	1
Toluene	108-88-3	<0.00100	0.00100	mg/kg	03.05.2020 05:58	U	1
Ethylbenzene	100-41-4	<0.00100	0.00100	mg/kg	03.05.2020 05:58	U	1
m,p-Xylenes	179601-23-1	<0.00200	0.00200	mg/kg	03.05.2020 05:58	U	1
o-Xylene	95-47-6	<0.00100	0.00100	mg/kg	03.05.2020 05:58	U	1
Total Xylenes	1330-20-7	<0.00100	0.00100	mg/kg	03.05.2020 05:58	U	1
Total BTEX		<0.00100	0.00100	mg/kg	03.05.2020 05:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	110	%	68-120	03.05.2020 05:58	
a,a,a-Trifluorotoluene	98-08-8	109	%	71-121	03.05.2020 05:58	



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GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **HD-4** Matrix: Soil Date Received: 02.28.2020 11:54
 Lab Sample Id: 654090-023 Date Collected: 02.27.2020 11:30 Sample Depth: 0 - 6 In
 Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: ARM % Moisture:
 Analyst: ARM Date Prep: 02.29.2020 10:00 Basis: Wet Weight
 Seq Number: 3118190

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.01.2020 01:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	82.1	50.0	mg/kg	03.01.2020 01:31		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.01.2020 01:31	U	1
Total TPH	PHCG35	82.1	50.0	mg/kg	03.01.2020 01:31		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-135	03.01.2020 01:31	
o-Terphenyl	84-15-1	106	%	70-135	03.01.2020 01:31	

Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B
 Tech: MIT % Moisture:
 Analyst: MIT Date Prep: 03.04.2020 15:00 Basis: Wet Weight
 Seq Number: 3118615 SUB: T104704219-19-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00101	0.00101	mg/kg	03.05.2020 06:25	U	1
Toluene	108-88-3	<0.00101	0.00101	mg/kg	03.05.2020 06:25	U	1
Ethylbenzene	100-41-4	<0.00101	0.00101	mg/kg	03.05.2020 06:25	U	1
m,p-Xylenes	179601-23-1	<0.00202	0.00202	mg/kg	03.05.2020 06:25	U	1
o-Xylene	95-47-6	<0.00101	0.00101	mg/kg	03.05.2020 06:25	U	1
Total Xylenes	1330-20-7	<0.00101	0.00101	mg/kg	03.05.2020 06:25	U	1
Total BTEX		<0.00101	0.00101	mg/kg	03.05.2020 06:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	110	%	68-120	03.05.2020 06:25	
a,a,a-Trifluorotoluene	98-08-8	107	%	71-121	03.05.2020 06:25	



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GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **HD-5**
Lab Sample Id: 654090-024

Matrix: Soil
Date Collected: 02.27.2020 11:45

Date Received: 02.28.2020 11:54
Sample Depth: 0 - 6 In

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3118190

Date Prep: 02.29.2020 10:00

Prep Method: SW8015P

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.01.2020 01:52	U	1
Diesel Range Organics (DRO)	C10C28DRO	80.1	50.0	mg/kg	03.01.2020 01:52		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.01.2020 01:52	U	1
Total TPH	PHCG35	80.1	50.0	mg/kg	03.01.2020 01:52		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	03.01.2020 01:52	
o-Terphenyl	84-15-1	105	%	70-135	03.01.2020 01:52	

Analytical Method: BTEX by EPA 8021B

Tech: MIT

Analyst: MIT

Seq Number: 3118615

Date Prep: 03.04.2020 15:00

Prep Method: SW5030B

% Moisture:

Basis: Wet Weight

SUB: T104704219-19-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000998	0.000998	mg/kg	03.05.2020 06:52	U	1
Toluene	108-88-3	<0.000998	0.000998	mg/kg	03.05.2020 06:52	U	1
Ethylbenzene	100-41-4	<0.000998	0.000998	mg/kg	03.05.2020 06:52	U	1
m,p-Xylenes	179601-23-1	<0.00200	0.00200	mg/kg	03.05.2020 06:52	U	1
o-Xylene	95-47-6	<0.000998	0.000998	mg/kg	03.05.2020 06:52	U	1
Total Xylenes	1330-20-7	<0.000998	0.000998	mg/kg	03.05.2020 06:52	U	1
Total BTEX		<0.000998	0.000998	mg/kg	03.05.2020 06:52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	111	%	68-120	03.05.2020 06:52	
a,a,a-Trifluorotoluene	98-08-8	108	%	71-121	03.05.2020 06:52	



Certificate of Analytical Results 654090

GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **HD-6**
Lab Sample Id: 654090-025

Matrix: Soil
Date Collected: 02.27.2020 12:00

Date Received: 02.28.2020 11:54
Sample Depth: 0 - 6 In

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3118190

Prep Method: SW8015P

% Moisture:

Date Prep: 02.29.2020 10:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.01.2020 02:13	U	1
Diesel Range Organics (DRO)	C10C28DRO	96.2	49.9	mg/kg	03.01.2020 02:13		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.01.2020 02:13	U	1
Total TPH	PHCG35	96.2	49.9	mg/kg	03.01.2020 02:13		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	03.01.2020 02:13	
o-Terphenyl	84-15-1	103	%	70-135	03.01.2020 02:13	

Analytical Method: BTEX by EPA 8021B

Tech: MIT

Analyst: MIT

Seq Number: 3118615

Prep Method: SW5030B

% Moisture:

Date Prep: 03.04.2020 15:00

Basis: Wet Weight

SUB: T104704219-19-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00100	0.00100	mg/kg	03.05.2020 07:19	U	1
Toluene	108-88-3	<0.00100	0.00100	mg/kg	03.05.2020 07:19	U	1
Ethylbenzene	100-41-4	<0.00100	0.00100	mg/kg	03.05.2020 07:19	U	1
m,p-Xylenes	179601-23-1	<0.00200	0.00200	mg/kg	03.05.2020 07:19	U	1
o-Xylene	95-47-6	<0.00100	0.00100	mg/kg	03.05.2020 07:19	U	1
Total Xylenes	1330-20-7	<0.00100	0.00100	mg/kg	03.05.2020 07:19	U	1
Total BTEX		<0.00100	0.00100	mg/kg	03.05.2020 07:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	111	%	68-120	03.05.2020 07:19	
a,a,a-Trifluorotoluene	98-08-8	107	%	71-121	03.05.2020 07:19	



Certificate of Analytical Results 654090

GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **HD-7** Matrix: Soil Date Received: 02.28.2020 11:54
 Lab Sample Id: 654090-026 Date Collected: 02.27.2020 12:15 Sample Depth: 0 - 6 In
 Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: ARM % Moisture:
 Analyst: ARM Date Prep: 02.29.2020 10:00 Basis: Wet Weight
 Seq Number: 3118190

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.01.2020 02:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.01.2020 02:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.01.2020 02:34	U	1
Total TPH	PHCG35	<50.0	50.0	mg/kg	03.01.2020 02:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	03.01.2020 02:34	
o-Terphenyl	84-15-1	107	%	70-135	03.01.2020 02:34	

Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B
 Tech: MIT % Moisture:
 Analyst: MIT Date Prep: 03.04.2020 15:00 Basis: Wet Weight
 Seq Number: 3118615 SUB: T104704219-19-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000994	0.000994	mg/kg	03.05.2020 07:46	U	1
Toluene	108-88-3	<0.000994	0.000994	mg/kg	03.05.2020 07:46	U	1
Ethylbenzene	100-41-4	<0.000994	0.000994	mg/kg	03.05.2020 07:46	U	1
m,p-Xylenes	179601-23-1	<0.00199	0.00199	mg/kg	03.05.2020 07:46	U	1
o-Xylene	95-47-6	<0.000994	0.000994	mg/kg	03.05.2020 07:46	U	1
Total Xylenes	1330-20-7	<0.000994	0.000994	mg/kg	03.05.2020 07:46	U	1
Total BTEX		<0.000994	0.000994	mg/kg	03.05.2020 07:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	111	%	68-120	03.05.2020 07:46	
a,a,a-Trifluorotoluene	98-08-8	107	%	71-121	03.05.2020 07:46	



Certificate of Analytical Results 654090

GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **HD-8**
Lab Sample Id: 654090-027

Matrix: Soil
Date Collected: 02.27.2020 12:30

Date Received: 02.28.2020 11:54
Sample Depth: 0 - 6 In

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3118190

Prep Method: SW8015P

% Moisture:

Date Prep: 02.29.2020 10:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	03.01.2020 02:55	U	1
Diesel Range Organics (DRO)	C10C28DRO	114	49.8	mg/kg	03.01.2020 02:55		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	03.01.2020 02:55	U	1
Total TPH	PHCG35	114	49.8	mg/kg	03.01.2020 02:55		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-135	03.01.2020 02:55	
o-Terphenyl	84-15-1	105	%	70-135	03.01.2020 02:55	

Analytical Method: BTEX by EPA 8021B

Tech: MIT

Analyst: MIT

Seq Number: 3118615

Prep Method: SW5030B

% Moisture:

Date Prep: 03.04.2020 15:00

Basis: Wet Weight

SUB: T104704219-19-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00100	0.00100	mg/kg	03.05.2020 08:13	U	1
Toluene	108-88-3	<0.00100	0.00100	mg/kg	03.05.2020 08:13	U	1
Ethylbenzene	100-41-4	<0.00100	0.00100	mg/kg	03.05.2020 08:13	U	1
m,p-Xylenes	179601-23-1	<0.00201	0.00201	mg/kg	03.05.2020 08:13	U	1
o-Xylene	95-47-6	<0.00100	0.00100	mg/kg	03.05.2020 08:13	U	1
Total Xylenes	1330-20-7	<0.00100	0.00100	mg/kg	03.05.2020 08:13	U	1
Total BTEX		<0.00100	0.00100	mg/kg	03.05.2020 08:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	111	%	68-120	03.05.2020 08:13	
a,a,a-Trifluorotoluene	98-08-8	109	%	71-121	03.05.2020 08:13	



Certificate of Analytical Results 654090

GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **HD-9**
Lab Sample Id: 654090-028

Matrix: Soil
Date Collected: 02.27.2020 12:45

Date Received: 02.28.2020 11:54
Sample Depth: 0 - 6 In

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3118190

Date Prep: 02.29.2020 10:00

Prep Method: SW8015P

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.01.2020 03:16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.01.2020 03:16	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.01.2020 03:16	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.01.2020 03:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	03.01.2020 03:16	
o-Terphenyl	84-15-1	105	%	70-135	03.01.2020 03:16	

Analytical Method: BTEX by EPA 8021B

Tech: MIT

Analyst: MIT

Seq Number: 3118615

Date Prep: 03.04.2020 15:00

Prep Method: SW5030B

% Moisture:

Basis: Wet Weight

SUB: T104704219-19-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000994	0.000994	mg/kg	03.05.2020 08:40	U	1
Toluene	108-88-3	<0.000994	0.000994	mg/kg	03.05.2020 08:40	U	1
Ethylbenzene	100-41-4	<0.000994	0.000994	mg/kg	03.05.2020 08:40	U	1
m,p-Xylenes	179601-23-1	<0.00199	0.00199	mg/kg	03.05.2020 08:40	U	1
o-Xylene	95-47-6	<0.000994	0.000994	mg/kg	03.05.2020 08:40	U	1
Total Xylenes	1330-20-7	<0.000994	0.000994	mg/kg	03.05.2020 08:40	U	1
Total BTEX		<0.000994	0.000994	mg/kg	03.05.2020 08:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	111	%	68-120	03.05.2020 08:40	
a,a,a-Trifluorotoluene	98-08-8	109	%	71-121	03.05.2020 08:40	



Certificate of Analytical Results 654090

GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **HD-10**
Lab Sample Id: 654090-029

Matrix: Soil
Date Collected: 02.27.2020 13:00

Date Received: 02.28.2020 11:54
Sample Depth: 0 - 6 In

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3118190

Prep Method: SW8015P

% Moisture:

Date Prep: 02.29.2020 10:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.01.2020 03:37	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.01.2020 03:37	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.01.2020 03:37	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.01.2020 03:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	03.01.2020 03:37	
o-Terphenyl	84-15-1	104	%	70-135	03.01.2020 03:37	

Analytical Method: BTEX by EPA 8021B

Tech: MIT

Analyst: MIT

Seq Number: 3118615

Prep Method: SW5030B

% Moisture:

Date Prep: 03.04.2020 15:00

Basis: Wet Weight

SUB: T104704219-19-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000996	0.000996	mg/kg	03.05.2020 09:06	U	1
Toluene	108-88-3	<0.000996	0.000996	mg/kg	03.05.2020 09:06	U	1
Ethylbenzene	100-41-4	<0.000996	0.000996	mg/kg	03.05.2020 09:06	U	1
m,p-Xylenes	179601-23-1	<0.00199	0.00199	mg/kg	03.05.2020 09:06	U	1
o-Xylene	95-47-6	<0.000996	0.000996	mg/kg	03.05.2020 09:06	U	1
Total Xylenes	1330-20-7	<0.000996	0.000996	mg/kg	03.05.2020 09:06	U	1
Total BTEX		<0.000996	0.000996	mg/kg	03.05.2020 09:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	114	%	68-120	03.05.2020 09:06	
a,a,a-Trifluorotoluene	98-08-8	110	%	71-121	03.05.2020 09:06	



Certificate of Analytical Results 654090

GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **HD-11**
Lab Sample Id: 654090-030

Matrix: Soil
Date Collected: 02.27.2020 13:15

Date Received: 02.28.2020 11:54
Sample Depth: 0 - 6 In

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3118190

Date Prep: 02.29.2020 10:00

Prep Method: SW8015P

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.01.2020 03:57	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.01.2020 03:57	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.01.2020 03:57	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.01.2020 03:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	03.01.2020 03:57	
o-Terphenyl	84-15-1	108	%	70-135	03.01.2020 03:57	

Analytical Method: BTEX by EPA 8021B

Tech: MIT

Analyst: MIT

Seq Number: 3118765

Date Prep: 03.05.2020 14:00

Prep Method: SW5030B

% Moisture:

Basis: Wet Weight

SUB: T104704219-19-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00100	0.00100	mg/kg	03.05.2020 20:41	U	1
Toluene	108-88-3	<0.00100	0.00100	mg/kg	03.05.2020 20:41	U	1
Ethylbenzene	100-41-4	<0.00100	0.00100	mg/kg	03.05.2020 20:41	U	1
m,p-Xylenes	179601-23-1	<0.00200	0.00200	mg/kg	03.05.2020 20:41	U	1
o-Xylene	95-47-6	<0.00100	0.00100	mg/kg	03.05.2020 20:41	U	1
Total Xylenes	1330-20-7	<0.00100	0.00100	mg/kg	03.05.2020 20:41	U	1
Total BTEX		<0.00100	0.00100	mg/kg	03.05.2020 20:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	68-120	03.05.2020 20:41	
a,a,a-Trifluorotoluene	98-08-8	111	%	71-121	03.05.2020 20:41	



Certificate of Analytical Results 654090

GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **HD-12**
Lab Sample Id: 654090-031

Matrix: Soil
Date Collected: 02.27.2020 13:30

Date Received: 02.28.2020 11:54
Sample Depth: 0 - 6 In

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3118190

Prep Method: SW8015P

% Moisture:

Date Prep: 02.29.2020 10:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.01.2020 04:39	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.01.2020 04:39	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.01.2020 04:39	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.01.2020 04:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	03.01.2020 04:39	
o-Terphenyl	84-15-1	103	%	70-135	03.01.2020 04:39	

Analytical Method: BTEX by EPA 8021B

Tech: MIT

Analyst: MIT

Seq Number: 3118765

Prep Method: SW5030B

% Moisture:

Date Prep: 03.05.2020 14:00

Basis: Wet Weight

SUB: T104704219-19-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000994	0.000994	mg/kg	03.05.2020 21:08	U	1
Toluene	108-88-3	<0.000994	0.000994	mg/kg	03.05.2020 21:08	U	1
Ethylbenzene	100-41-4	<0.000994	0.000994	mg/kg	03.05.2020 21:08	U	1
m,p-Xylenes	179601-23-1	<0.00199	0.00199	mg/kg	03.05.2020 21:08	U	1
o-Xylene	95-47-6	<0.000994	0.000994	mg/kg	03.05.2020 21:08	U	1
Total Xylenes	1330-20-7	<0.000994	0.000994	mg/kg	03.05.2020 21:08	U	1
Total BTEX		<0.000994	0.000994	mg/kg	03.05.2020 21:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	75	%	68-120	03.05.2020 21:08	
a,a,a-Trifluorotoluene	98-08-8	78	%	71-121	03.05.2020 21:08	



Certificate of Analytical Results 654090

GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **HD-13** Matrix: Soil Date Received: 02.28.2020 11:54
 Lab Sample Id: 654090-032 Date Collected: 02.27.2020 13:45 Sample Depth: 0 - 6 In
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.04.2020 11:40 Basis: Wet Weight
 Seq Number: 3118568

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<5.00	5.00	mg/kg	03.04.2020 13:48	U	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: ARM % Moisture:
 Analyst: ARM Date Prep: 02.29.2020 10:00 Basis: Wet Weight
 Seq Number: 3118190

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.01.2020 05:00	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.01.2020 05:00	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.01.2020 05:00	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.01.2020 05:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	03.01.2020 05:00	
o-Terphenyl	84-15-1	102	%	70-135	03.01.2020 05:00	



Certificate of Analytical Results 654090

GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **HD-13**
 Lab Sample Id: 654090-032

Matrix: Soil
 Date Collected: 02.27.2020 13:45

Date Received: 02.28.2020 11:54
 Sample Depth: 0 - 6 In

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: MIT

% Moisture:

Analyst: MIT

Date Prep: 03.05.2020 14:00

Basis: Wet Weight

Seq Number: 3118765

SUB: T104704219-19-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000994	0.000994	mg/kg	03.05.2020 21:34	U	1
Toluene	108-88-3	<0.000994	0.000994	mg/kg	03.05.2020 21:34	U	1
Ethylbenzene	100-41-4	<0.000994	0.000994	mg/kg	03.05.2020 21:34	U	1
m,p-Xylenes	179601-23-1	<0.00199	0.00199	mg/kg	03.05.2020 21:34	U	1
o-Xylene	95-47-6	<0.000994	0.000994	mg/kg	03.05.2020 21:34	U	1
Total Xylenes	1330-20-7	<0.000994	0.000994	mg/kg	03.05.2020 21:34	U	1
Total BTEX		<0.000994	0.000994	mg/kg	03.05.2020 21:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	117	%	68-120	03.05.2020 21:34	
a,a,a-Trifluorotoluene	98-08-8	112	%	71-121	03.05.2020 21:34	



Certificate of Analytical Results 654090

GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **HD-14**
Lab Sample Id: 654090-033

Matrix: Soil
Date Collected: 02.27.2020 14:00

Date Received: 02.28.2020 11:54
Sample Depth: 0 - 6 In

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3118190

Prep Method: SW8015P

% Moisture:

Date Prep: 02.29.2020 10:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.01.2020 05:21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.01.2020 05:21	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.01.2020 05:21	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.01.2020 05:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-135	03.01.2020 05:21	
o-Terphenyl	84-15-1	104	%	70-135	03.01.2020 05:21	

Analytical Method: BTEX by EPA 8021B

Tech: MIT

Analyst: MIT

Seq Number: 3118765

Prep Method: SW5030B

% Moisture:

Date Prep: 03.05.2020 14:00

Basis: Wet Weight

SUB: T104704219-19-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000994	0.000994	mg/kg	03.05.2020 22:00	U	1
Toluene	108-88-3	<0.000994	0.000994	mg/kg	03.05.2020 22:00	U	1
Ethylbenzene	100-41-4	<0.000994	0.000994	mg/kg	03.05.2020 22:00	U	1
m,p-Xylenes	179601-23-1	<0.00199	0.00199	mg/kg	03.05.2020 22:00	U	1
o-Xylene	95-47-6	<0.000994	0.000994	mg/kg	03.05.2020 22:00	U	1
Total Xylenes	1330-20-7	<0.000994	0.000994	mg/kg	03.05.2020 22:00	U	1
Total BTEX		<0.000994	0.000994	mg/kg	03.05.2020 22:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	117	%	68-120	03.05.2020 22:00	
a,a,a-Trifluorotoluene	98-08-8	111	%	71-121	03.05.2020 22:00	



Certificate of Analytical Results 654090

GHD Services, INC- Midland, Midland, TX

Enlink Falcon Spill

Sample Id: **HD-15**
Lab Sample Id: 654090-034

Matrix: Soil
Date Collected: 02.27.2020 14:15

Date Received: 02.28.2020 11:54
Sample Depth: 0 - 6 In

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3118190

Prep Method: SW8015P

% Moisture:

Date Prep: 02.29.2020 10:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.01.2020 05:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.01.2020 05:42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.01.2020 05:42	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.01.2020 05:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-135	03.01.2020 05:42	
o-Terphenyl	84-15-1	100	%	70-135	03.01.2020 05:42	

Analytical Method: BTEX by EPA 8021B

Tech: MIT

Analyst: MIT

Seq Number: 3118765

Prep Method: SW5030B

% Moisture:

Date Prep: 03.05.2020 14:00

Basis: Wet Weight

SUB: T104704219-19-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000992	0.000992	mg/kg	03.05.2020 22:27	U	1
Toluene	108-88-3	<0.000992	0.000992	mg/kg	03.05.2020 22:27	U	1
Ethylbenzene	100-41-4	<0.000992	0.000992	mg/kg	03.05.2020 22:27	U	1
m,p-Xylenes	179601-23-1	<0.00198	0.00198	mg/kg	03.05.2020 22:27	U	1
o-Xylene	95-47-6	<0.000992	0.000992	mg/kg	03.05.2020 22:27	U	1
Total Xylenes	1330-20-7	<0.000992	0.000992	mg/kg	03.05.2020 22:27	U	1
Total BTEX		<0.000992	0.000992	mg/kg	03.05.2020 22:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	117	%	68-120	03.05.2020 22:27	
a,a,a-Trifluorotoluene	98-08-8	114	%	71-121	03.05.2020 22:27	



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



GHD Services, INC- Midland Enlink Falcon Spill

Analytical Method: Chloride by EPA 300

Seq Number: 3118568

MB Sample Id: 7698046-1-BLK

Matrix: Solid

LCS Sample Id: 7698046-1-BKS

Prep Method: E300P

Date Prep: 03.04.2020

LCSD Sample Id: 7698046-1-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	247	99	243	97	90-110	2	20	mg/kg	03.04.2020 12:08	

Analytical Method: Chloride by EPA 300

Seq Number: 3118568

Parent Sample Id: 654090-021

Matrix: Soil

MS Sample Id: 654090-021 S

Prep Method: E300P

Date Prep: 03.04.2020

MSD Sample Id: 654090-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	4.47	251	254	99	253	99	90-110	0	20	mg/kg	03.04.2020 13:38	

Analytical Method: Chloride by EPA 300

Seq Number: 3118568

Parent Sample Id: 654255-001

Matrix: Soil

MS Sample Id: 654255-001 S

Prep Method: E300P

Date Prep: 03.04.2020

MSD Sample Id: 654255-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	383	249	618	94	618	94	90-110	0	20	mg/kg	03.04.2020 12:24	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3118189

MB Sample Id: 7697817-1-BLK

Matrix: Solid

LCS Sample Id: 7697817-1-BKS

Prep Method: SW8015P

Date Prep: 02.29.2020

LCSD Sample Id: 7697817-1-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)	<15.0	1000	970	97	913	91	70-135	6	20	mg/kg	02.29.2020 14:01	
Diesel Range Organics (DRO)	<15.0	1000	1120	112	1030	103	70-135	8	20	mg/kg	02.29.2020 14:01	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	94		101		92		70-135	%	02.29.2020 14:01
o-Terphenyl	98		107		94		70-135	%	02.29.2020 14:01

Analytical Method: TPH By SW8015 Mod

Seq Number: 3118190

MB Sample Id: 7697820-1-BLK

Matrix: Solid

LCS Sample Id: 7697820-1-BKS

Prep Method: SW8015P

Date Prep: 02.29.2020

LCSD Sample Id: 7697820-1-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)	<15.0	1000	1050	105	1080	108	70-135	3	20	mg/kg	02.29.2020 23:26	
Diesel Range Organics (DRO)	<15.0	1000	1160	116	1200	120	70-135	3	20	mg/kg	02.29.2020 23:26	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	94		104		111		70-135	%	02.29.2020 23:26
o-Terphenyl	98		108		106		70-135	%	02.29.2020 23:26

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C-A) / B$
 $RPD = 200 * |(C-E) / (C+E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

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

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



GHD Services, INC- Midland Enlink Falcon Spill

Analytical Method: TPH By SW8015 Mod

Seq Number: 3118189

Matrix: Solid

Prep Method: SW8015P

Date Prep: 02.29.2020

MB Sample Id: 7697817-1-BLK

Parameter

Motor Oil Range Hydrocarbons (MRO)

MB
Result

<50.0

Units

mg/kg

Analysis
Date

02.29.2020 13:40

Flag

Analytical Method: TPH By SW8015 Mod

Seq Number: 3118189

Matrix: Solid

Prep Method: SW8015P

Date Prep: 02.29.2020

MB Sample Id: 7697820-1-BLK

Parameter

Motor Oil Range Hydrocarbons (MRO)

MB
Result

<50.0

Units

mg/kg

Analysis
Date

02.29.2020 23:04

Flag

Analytical Method: TPH By SW8015 Mod

Seq Number: 3118189

Matrix: Soil

Prep Method: SW8015P

Date Prep: 02.29.2020

Parent Sample Id: 654090-001

MS Sample Id: 654090-001 S

MSD Sample Id: 654090-001 SD

Parameter

Gasoline Range Hydrocarbons (GRO)

Parent
Result

25.1

Spike
Amount

999

MS
Result

982

MS
%Rec

96

MSD
Result

992

MSD
%Rec

97

Limits

70-135

%RPD

1

RPD
Limit

20

Units

mg/kg

Analysis
Date

02.29.2020 15:04

Flag

Diesel Range Organics (DRO)

425

999

1380

96

1390

97

70-135

1

20

mg/kg

02.29.2020 15:04

Surrogate

1-Chlorooctane

MS
%Rec

104

MS
FlagMSD
%Rec

105

MSD
Flag

Limits

70-135

Units

%

Analysis
Date

02.29.2020 15:04

o-Terphenyl

110

115

70-135

%

02.29.2020 15:04

Analytical Method: TPH By SW8015 Mod

Seq Number: 3118190

Matrix: Soil

Prep Method: SW8015P

Date Prep: 02.29.2020

Parent Sample Id: 654090-021

MS Sample Id: 654090-021 S

MSD Sample Id: 654090-021 SD

Parameter

Gasoline Range Hydrocarbons (GRO)

Parent
Result

17.3

Spike
Amount

999

MS
Result

931

MS
%Rec

91

MSD
Result

980

MSD
%Rec

96

Limits

70-135

%RPD

5

RPD
Limit

20

Units

mg/kg

Analysis
Date

03.01.2020 00:28

Flag

Diesel Range Organics (DRO)

109

999

1160

105

1190

108

70-135

3

20

mg/kg

03.01.2020 00:28

Surrogate

1-Chlorooctane

MS
%Rec

101

MS
FlagMSD
%Rec

103

MSD
Flag

Limits

70-135

Units

%

Analysis
Date

03.01.2020 00:28

o-Terphenyl

104

107

70-135

%

03.01.2020 00:28

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

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

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



GHD Services, INC- Midland Enlink Falcon Spill

Analytical Method: BTEX by EPA 8021B

Seq Number: 3118632

Matrix: Solid

Prep Method: SW5030B

Date Prep: 03.04.2020

MB Sample Id: 7698138-1-BLK

LCS Sample Id: 7698138-1-BKS

LCSD Sample Id: 7698138-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00100	0.100	0.101	101	0.0996	100	55-120	1	20	mg/kg	03.04.2020 18:08	
Toluene	<0.00100	0.100	0.110	110	0.107	107	77-120	3	20	mg/kg	03.04.2020 18:08	
Ethylbenzene	<0.00100	0.100	0.116	116	0.114	114	77-120	2	20	mg/kg	03.04.2020 18:08	
m,p-Xylenes	<0.00200	0.200	0.230	115	0.226	113	78-120	2	20	mg/kg	03.04.2020 18:08	
o-Xylene	<0.00100	0.100	0.113	113	0.112	112	78-120	1	20	mg/kg	03.04.2020 18:08	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	127	**	128	**	127	**	68-120	%	03.04.2020 18:08
a,a,a-Trifluorotoluene	126	**	120		120		71-121	%	03.04.2020 18:08

Analytical Method: BTEX by EPA 8021B

Seq Number: 3118615

Matrix: Solid

Prep Method: SW5030B

Date Prep: 03.04.2020

MB Sample Id: 7698130-1-BLK

LCS Sample Id: 7698130-1-BKS

LCSD Sample Id: 7698130-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00100	0.100	0.104	104	0.102	102	55-120	2	20	mg/kg	03.04.2020 19:39	
Toluene	<0.00100	0.100	0.111	111	0.109	109	77-120	2	20	mg/kg	03.04.2020 19:39	
Ethylbenzene	<0.00100	0.100	0.112	112	0.109	109	77-120	3	20	mg/kg	03.04.2020 19:39	
m,p-Xylenes	<0.00200	0.200	0.222	111	0.217	109	78-120	2	20	mg/kg	03.04.2020 19:39	
o-Xylene	<0.00100	0.100	0.110	110	0.107	107	78-120	3	20	mg/kg	03.04.2020 19:39	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	74		100		100		68-120	%	03.04.2020 19:39
a,a,a-Trifluorotoluene	77		94		95		71-121	%	03.04.2020 19:39

Analytical Method: BTEX by EPA 8021B

Seq Number: 3118765

Matrix: Solid

Prep Method: SW5030B

Date Prep: 03.05.2020

MB Sample Id: 7698252-1-BLK

LCS Sample Id: 7698252-1-BKS

LCSD Sample Id: 7698252-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00100	0.100	0.109	109	0.109	109	55-120	0	20	mg/kg	03.05.2020 16:40	
Toluene	<0.00100	0.100	0.110	110	0.112	112	77-120	2	20	mg/kg	03.05.2020 16:40	
Ethylbenzene	<0.00100	0.100	0.111	111	0.113	113	77-120	2	20	mg/kg	03.05.2020 16:40	
m,p-Xylenes	<0.00200	0.200	0.221	111	0.223	112	78-120	1	20	mg/kg	03.05.2020 16:40	
o-Xylene	<0.00100	0.100	0.108	108	0.110	110	78-120	2	20	mg/kg	03.05.2020 16:40	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	117		99		98		68-120	%	03.05.2020 16:40
a,a,a-Trifluorotoluene	118		94		91		71-121	%	03.05.2020 16:40

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

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

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



GHD Services, INC- Midland Enlink Falcon Spill

Analytical Method: BTEX by EPA 8021B

Seq Number: 3118632

Parent Sample Id: 654387-002

Matrix: Soil

MS Sample Id: 654387-002 S

Prep Method: SW5030B

Date Prep: 03.04.2020

MSD Sample Id: 654387-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000982	0.0982	0.0929	95	0.0833	91	54-120	11	25	mg/kg	03.04.2020 21:23	
Toluene	<0.000982	0.0982	0.100	102	0.0903	98	57-120	10	25	mg/kg	03.04.2020 21:23	
Ethylbenzene	<0.000982	0.0982	0.105	107	0.0955	104	58-131	9	25	mg/kg	03.04.2020 21:23	
m,p-Xylenes	<0.00196	0.196	0.208	106	0.189	103	62-124	10	25	mg/kg	03.04.2020 21:23	
o-Xylene	<0.000982	0.0982	0.101	103	0.0922	101	62-124	9	25	mg/kg	03.04.2020 21:23	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	126	**	124	**	68-120	%	03.04.2020 21:23
a,a,a-Trifluorotoluene	125	**	126	**	71-121	%	03.04.2020 21:23

Analytical Method: BTEX by EPA 8021B

Seq Number: 3118615

Parent Sample Id: 654090-001

Matrix: Soil

MS Sample Id: 654090-001 S

Prep Method: SW5030B

Date Prep: 03.04.2020

MSD Sample Id: 654090-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000998	0.0998	0.0701	70	0.0985	99	54-120	34	25	mg/kg	03.04.2020 22:21	F
Toluene	<0.000998	0.0998	0.0727	73	0.110	110	57-120	41	25	mg/kg	03.04.2020 22:21	F
Ethylbenzene	<0.000998	0.0998	0.0760	76	0.116	116	58-131	42	25	mg/kg	03.04.2020 22:21	F
m,p-Xylenes	0.00551	0.200	0.143	69	0.234	114	62-124	48	25	mg/kg	03.04.2020 22:21	F
o-Xylene	0.00170	0.0998	0.0727	71	0.109	107	62-124	40	25	mg/kg	03.04.2020 22:21	F

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	67	**	103		68-120	%	03.04.2020 22:21
a,a,a-Trifluorotoluene	71		97		71-121	%	03.04.2020 22:21

Analytical Method: BTEX by EPA 8021B

Seq Number: 3118765

Parent Sample Id: 654090-020

Matrix: Soil

MS Sample Id: 654090-020 S

Prep Method: SW5030B

Date Prep: 03.05.2020

MSD Sample Id: 654090-020 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00100	0.100	0.102	102	0.102	101	54-120	0	25	mg/kg	03.05.2020 19:21	
Toluene	<0.00100	0.100	0.112	112	0.110	109	57-120	2	25	mg/kg	03.05.2020 19:21	
Ethylbenzene	<0.00100	0.100	0.118	118	0.117	116	58-131	1	25	mg/kg	03.05.2020 19:21	
m,p-Xylenes	<0.00200	0.200	0.235	118	0.233	115	62-124	1	25	mg/kg	03.05.2020 19:21	
o-Xylene	<0.00100	0.100	0.116	116	0.113	112	62-124	3	25	mg/kg	03.05.2020 19:21	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	104		104		68-120	%	03.05.2020 19:21
a,a,a-Trifluorotoluene	98		97		71-121	%	03.05.2020 19:21

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C-A) / B$
 $RPD = 200 * |(C-E) / (C+E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

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

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



Chain of Custody

Work Order No:

154090

Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334
 Midland, TX (432-704-5440) EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296
 Hobbs, NM (575-392-7550) Phoenix, AZ (480-355-0900) Atlanta, GA (770-449-8800) Tampa, FL (813-620-2000)

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Page 1 of 4

Project Manager:	TOM LARSON	Bill to: (if different)	GHD Midland
Company Name:	GHD	Company Name:	
Address:	2135 Sloop 350 West	Address:	
City, State ZIP:	Midland, TX 79703	City, State ZIP:	
Phone:	432-686-0086	Email:	

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

Project Name:	Enlink Falcon Spill	Turn Around	
Project Number:	11205561-01	Routine	☒
P.O. Number:		Rush:	
Sampler's Name:	G. Sam	Due Date:	

SAMPLE RECEIPT	Temp Blank:	Yes ☐	No ☒	Wet Ice:	Yes ☐	No ☒
	Temperature (°C):	3.4				
	Received In tact:	Yes ☒	No ☐	Thermometer ID	26	
	Cooler Custody Seals:	Yes ☐	No ☒	Correction Factor:	0	
	Sample Custody Seals:	Yes ☐	No ☒	Total Containers:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number															Sample Comments
SL-1A	S	2-23-20	1055	12.5	1	X														
SL-2A			1105	5.5		X														
SL-3A			1120	5.5																
SL-4A			1150	5.5																
SL-5A			1155	5.5																
SL-6A			1220	5.5																
SL-7A			1230	5																
SL-8A			1235	5																
SL-9A			1240	5																
SL-10A			1320	5																
SL-11A			1320	5																

Total 200.7 / 6010 200.8 / 6020:
 Circle Method(s) and Metal(s) to be analyzed

8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn
 TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U
 1631 / 245.1 / 7470 / 7471 : Hg

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		2/28/20			
		1/54			



Chain of Custody

Work Order No:

1054090

Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334
 Midland, TX (432-704-5440) EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296
 Hobbs, NM (575-392-7550) Phoenix, AZ (480-355-0900) Atlanta, GA (770-449-8800) Tampa, FL (813-620-2000)

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Page 2 of 4

Project Manager:	Tom Larson	Bill to: (if different)	GHD Midland
Company Name:	GHD	Company Name:	
Address:		Address:	
City, State ZIP:	Midland	City, State ZIP:	
Phone:		Email:	

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

Project Name:	Enlink Falcon	Turn Around	
Project Number:	11205561	Routine	☒
P.O. Number:		Rush:	
Sampler's Name:	G. Seng	Due Date:	

SAMPLE RECEIPT	Temp Blank:	Yes	No	Wet Ice:	Yes	No
Temperature (°C):	3.0			Thermometer ID:	20	
Received Intact:	Yes	No		Correction Factor:		
Cooler Custody Seals:	Yes	No		Total Containers:		
Sample Custody Seals:	Yes	No				

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth in feet	Number													Sample Comments	
SL-13A	S	2-29-20	11:35	4	1	X	X												
SL-13A			13:35	5.5															
SL-14A			13:35	5															
SL-15A			14:20	4.5															
ES-11			15:00	3.5															
ES-17A			14:30	3															
SL-16			15:30	4															
SL-17			16:00	4.5															
SL-18			16:45	8															

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

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		2/28/20			
		1/24			



Chain of Custody

Work Order No:

1054090

Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334
 Midland, TX (432-704-5440) EL Paso, TX (915)585-3443 Lubbock, TX (806)794-1296
 Hobbs, NM (575-392-7550) Phoenix, AZ (480-355-0900) Atlanta, GA (770-449-8800) Tampa, FL (813-620-2000)

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Page 3 of 4

Project Manager:	Tom Larson	Bill to: (if different)	CAD Midland
Company Name:	GHD	Company Name:	
Address:		Address:	
City, State ZIP:	Midland	City, State ZIP:	
Phone:		Email:	

Program: ☐ UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund State of Project: Reporting Level: ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV Deliverables: ☐ EDD ☐ ADAPT ☐ Other:	Work Order Comments TAT starts the day received by the lab, if received by 4:30pm
---	---

Project Name:	Enlight Falcon	Turn Around	
Project Number:	11205361	Routine	☒
P.O. Number:		Rush:	
Sampler's Name:	G. Sany	Due Date:	

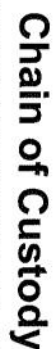
SAMPLE RECEIPT Temperature (°C): 34 Received Intact: Yes ☒ No ☐ Cooler Custody Seals: Yes ☒ No ☐ Sample Custody Seals: Yes ☒ No ☐ Thermometer ID: 20 Correction Factor: Total Containers:	ANALYSIS REQUEST Number of Containers: 1 BTEX 8021 B TPH 8015 mod	Work Order Notes New Mexico Add Co Str Day TAT
--	---	--

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Sample Comments
HD-1	S	2-22-20	10:45	0-6"	1	
HD-2			11:00		X	
HD-3			11:15		X	
HD-4			11:30		X	
HD-5			11:45		X	
HD-6			12:00		X	
HD-7			12:15		X	
HD-8			12:30		X	
HD-9			12:45		X	
HD-10			13:00		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 Ti Sn U V Zn
 Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U 1631 / 245.1 / 7470 / 7471 : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time



Work Order No:

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Page 1 of 1

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Hobbs, NM (575-392-7550) Phoenix, AZ (480-355-0900) Allanta, GA (770-449-8800) Tampa, FL (813-620-2000)

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:	

[illegible][illegible]

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	Ti	Sn	U	V	Zn
Circle Method(s) and Metal(s) to be analyzed			TCLP / SPLP 6010:	8RCRA	Sb	As	Ba	Be	B	Cd	Cr	Co	Cu	Pb	Mn	Mo	Ni	Se	Ag	Ti	U					1631 / 245.1 / 7470	17471	7471				Hg	

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xencio, its affiliates and subcontractors. It assigns trademark and conditions of service. Xencio 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 Xencio. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xencio, but not analyzed. Those items will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 		2/22/20	2		
3			4		
5		1154	6		

Inter-Office Shipment

IOS Number : **59314**

Date/Time: 03.02.2020

Created by: Jessica Kramer

Please send report to: Debbie Simmons

Lab# From: **Midland**

Delivery Priority:

Address: 1211 W. Florida Ave

Lab# To: **Lubbock**

Air Bill No.: 777910636518

E-Mail: debbie.simmons@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
654090-001	S	SL-1A	02.27.2020 10:55	SW8021B	BTEX by EPA 8021B	03.05.2020	03.12.2020	DES	BR4FBZ BZ BZME EBZ	
654090-002	S	SL-2A	02.27.2020 11:05	SW8021B	BTEX by EPA 8021B	03.05.2020	03.12.2020	DES	BR4FBZ BZ BZME EBZ	
654090-003	S	SL-3A	02.27.2020 11:20	SW8021B	BTEX by EPA 8021B	03.05.2020	03.12.2020	DES	BR4FBZ BZ BZME EBZ	
654090-004	S	SL-4A	02.27.2020 11:50	SW8021B	BTEX by EPA 8021B	03.05.2020	03.12.2020	DES	BR4FBZ BZ BZME EBZ	
654090-005	S	SL-5A	02.27.2020 11:55	SW8021B	BTEX by EPA 8021B	03.05.2020	03.12.2020	DES	BR4FBZ BZ BZME EBZ	
654090-006	S	SL-6A	02.27.2020 12:20	SW8021B	BTEX by EPA 8021B	03.05.2020	03.12.2020	DES	BR4FBZ BZ BZME EBZ	
654090-007	S	SL-7A	02.27.2020 12:30	SW8021B	BTEX by EPA 8021B	03.05.2020	03.12.2020	DES	BR4FBZ BZ BZME EBZ	
654090-008	S	SL-8A	02.27.2020 12:35	SW8021B	BTEX by EPA 8021B	03.05.2020	03.12.2020	DES	BR4FBZ BZ BZME EBZ	
654090-009	S	SL-10A	02.27.2020 12:40	SW8021B	BTEX by EPA 8021B	03.05.2020	03.12.2020	DES	BR4FBZ BZ BZME EBZ	
654090-010	S	SL-11A	02.27.2020 13:20	SW8021B	BTEX by EPA 8021B	03.05.2020	03.12.2020	DES	BR4FBZ BZ BZME EBZ	
654090-011	S	SL-12A	02.27.2020 11:35	SW8021B	BTEX by EPA 8021B	03.05.2020	03.12.2020	DES	BR4FBZ BZ BZME EBZ	
654090-012	S	SL-13A	02.27.2020 13:35	SW8021B	BTEX by EPA 8021B	03.05.2020	03.12.2020	DES	BR4FBZ BZ BZME EBZ	
654090-013	S	SL-14A	02.27.2020 13:55	SW8021B	BTEX by EPA 8021B	03.05.2020	03.12.2020	DES	BR4FBZ BZ BZME EBZ	
654090-014	S	SL-15A	02.27.2020 14:20	SW8021B	BTEX by EPA 8021B	03.05.2020	03.12.2020	DES	BR4FBZ BZ BZME EBZ	
654090-015	S	ES-11	02.27.2020 15:00	SW8021B	BTEX by EPA 8021B	03.05.2020	03.12.2020	DES	BR4FBZ BZ BZME EBZ	
654090-016	S	ES-7A	02.27.2020 14:30	SW8021B	BTEX by EPA 8021B	03.05.2020	03.12.2020	DES	BR4FBZ BZ BZME EBZ	
654090-017	S	SL-16	02.27.2020 15:30	SW8021B	BTEX by EPA 8021B	03.05.2020	03.12.2020	DES	BR4FBZ BZ BZME EBZ	
654090-018	S	SL-17	02.27.2020 16:00	SW8021B	BTEX by EPA 8021B	03.05.2020	03.12.2020	DES	BR4FBZ BZ BZME EBZ	
654090-019	S	SL-18	02.27.2020 16:45	SW8021B	BTEX by EPA 8021B	03.05.2020	03.12.2020	DES	BR4FBZ BZ BZME EBZ	
654090-020	S	HD-1	02.27.2020 10:45	SW8021B	BTEX by EPA 8021B	03.05.2020	03.12.2020	DES	BR4FBZ BZ BZME EBZ	
654090-021	S	HD-2	02.27.2020 11:00	SW8021B	BTEX by EPA 8021B	03.05.2020	03.12.2020	DES	BR4FBZ BZ BZME EBZ	
654090-022	S	HD-3	02.27.2020 11:15	SW8021B	BTEX by EPA 8021B	03.05.2020	03.12.2020	DES	BR4FBZ BZ BZME EBZ	
654090-023	S	HD-4	02.27.2020 11:30	SW8021B	BTEX by EPA 8021B	03.05.2020	03.12.2020	DES	BR4FBZ BZ BZME EBZ	
654090-024	S	HD-5	02.27.2020 11:45	SW8021B	BTEX by EPA 8021B	03.05.2020	03.12.2020	DES	BR4FBZ BZ BZME EBZ	
654090-025	S	HD-6	02.27.2020 12:00	SW8021B	BTEX by EPA 8021B	03.05.2020	03.12.2020	DES	BR4FBZ BZ BZME EBZ	

Inter-Office Shipment

IOS Number : **59314**

Date/Time: 03.02.2020

Created by: Jessica Kramer

Please send report to: Debbie Simmons

Lab# From: **Midland**

Delivery Priority:

Address: 1211 W. Florida Ave

Lab# To: **Lubbock**

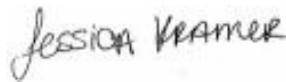
Air Bill No.: 777910636518

E-Mail: debbie.simmons@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
654090-026	S	HD-7	02.27.2020 12:15	SW8021B	BTEX by EPA 8021B	03.05.2020	03.12.2020	DES	BR4FBZ BZ BZME EBZ	
654090-027	S	HD-8	02.27.2020 12:30	SW8021B	BTEX by EPA 8021B	03.05.2020	03.12.2020	DES	BR4FBZ BZ BZME EBZ	
654090-028	S	HD-9	02.27.2020 12:45	SW8021B	BTEX by EPA 8021B	03.05.2020	03.12.2020	DES	BR4FBZ BZ BZME EBZ	
654090-029	S	HD-10	02.27.2020 13:00	SW8021B	BTEX by EPA 8021B	03.05.2020	03.12.2020	DES	BR4FBZ BZ BZME EBZ	
654090-030	S	HD-11	02.27.2020 13:15	SW8021B	BTEX by EPA 8021B	03.05.2020	03.12.2020	DES	BR4FBZ BZ BZME EBZ	
654090-031	S	HD-12	02.27.2020 13:30	SW8021B	BTEX by EPA 8021B	03.05.2020	03.12.2020	DES	BR4FBZ BZ BZME EBZ	
654090-032	S	HD-13	02.27.2020 13:45	SW8021B	BTEX by EPA 8021B	03.05.2020	03.12.2020	DES	BR4FBZ BZ BZME EBZ	
654090-033	S	HD-14	02.27.2020 14:00	SW8021B	BTEX by EPA 8021B	03.05.2020	03.12.2020	DES	BR4FBZ BZ BZME EBZ	
654090-034	S	HD-15	02.27.2020 14:15	SW8021B	BTEX by EPA 8021B	03.05.2020	03.12.2020	DES	BR4FBZ BZ BZME EBZ	

Inter Office Shipment or Sample Comments:

Relinquished By:



Jessica Kramer

Date Relinquished: 03.02.2020

Received By:



Ashley Derstine

Date Received: 03.03.2020

Cooler Temperature: 3.4



XENCO Laboratories



Inter Office Report- Sample Receipt Checklist

Sent To: Lubbock

IOS #: 59314

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used :

Sent By: Jessica Kramer

Date Sent: 03.02.2020 04.29 PM

Received By: Ashley Derstine

Date Received: 03.03.2020 09.30 AM

Sample Receipt Checklist

Comments

#1 *Temperature of cooler(s)?	3.4
#2 *Shipping container in good condition?	Yes
#3 *Samples received with appropriate temperature?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	N/A
#5 *Custody Seals Signed and dated for Containers/coolers	N/A
#6 *IOS present?	Yes
#7 Any missing/extra samples?	No
#8 IOS agrees with sample label(s)/matrix?	Yes
#9 Sample matrix/ properties agree with IOS?	Yes
#10 Samples in proper container/ bottle?	Yes
#11 Samples properly preserved?	Yes
#12 Sample container(s) intact?	Yes
#13 Sufficient sample amount for indicated test(s)?	Yes
#14 All samples received within hold time?	Yes

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

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ Contacted by : _____ Date: _____

Checklist reviewed by:

Ashley Derstine

Date: 03.03.2020

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: GHD Services, INC- Midland

Date/ Time Received: 02.28.2020 11.54.00 AM

Work Order #: 654090

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	3.6
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	N/A
#5 Custody Seals intact on sample bottles?	N/A
#6 *Custody Seals Signed and dated?	N/A
#7 *Chain of Custody present?	Yes
#8 Any missing/extra samples?	No
#9 Chain of Custody signed when relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/matrix?	Yes
#11 Container label(s) legible and intact?	Yes
#12 Samples in proper container/ bottle?	Yes
#13 Samples properly preserved?	Yes
#14 Sample container(s) intact?	Yes
#15 Sufficient sample amount for indicated test(s)?	Yes
#16 All samples received within hold time?	Yes
#17 Subcontract of sample(s)?	N/A
#18 Water VOC samples have zero headspace?	N/A

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

Analyst:

PH Device/Lot#:

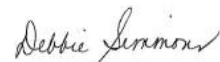
Checklist completed by:



Brianna Teel

Date: 02.28.2020

Checklist reviewed by:



Debbie Simmons

Date: 03.02.2020

Appendix B

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	NRM2000659184
District RP	
Facility ID	
Application ID	

Release Notification

8KXYJ-191113-C-1410

Responsible Party

Responsible Party	EnLink Midstream Operating, LP	OGRID	373760
Contact Name	Trevor O. Baird	Contact Telephone	432-661-0541
Contact email	trevor.baird@enlink.com	Incident #	(assigned by OCD)
Contact mailing address	303 W Wall Street Suite 202, Midland TX, 79701		

Location of Release Source

Latitude 32.251927 Longitude -103.962253
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Falcon CDP	Site Type	Crude Station
Date Release Discovered	11/2/19	API#	(if applicable)

Unit Letter	Section	Township	Range	County
D	2	24S	29E	Eddy

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) 1501	Volume Recovered (bbls) 100
☐ 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)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

A pig signal was improperly installed by a third party contractor on the Falcon pipeline. The pig signal failed and created an opening in the line.

Form C-141

Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NRM2000659184
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? Under the mentioned rule, this spill qualifies as major because it was greater than 25 bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, by Trevor Baird, Lead Environmental Engineer to Jim Griswold and Mike Bratcher via email at or around 1:30 PM on 11/2/19.	

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 <u>not</u> been undertaken, explain why: EnLink has removed all free liquid on the leased land. However, EnLink is working with the State Land Office to gain right of way access to finish the cleanup efforts.	
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: <u>Trevor O. Baird, P.E</u>	Title: <u>Lead Environmental Engineer</u>
Signature: _____	Date: <u>11/13/19</u>
email: <u>trevor.baird@enlink.com</u>	Telephone: <u>432-221-9738</u>
<u>OCD Only</u>	
Received by: <u>Ramona Marcus</u>	Date: <u>1/6/2019</u>

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Appendix C

From: Mike Lockett <Mike.Lockett@enlink.com>
Sent: Monday, October 26, 2020 11:55 AM
To: Gonzales, Clair <Clair.Gonzales@tetrattech.com>
Cc: Mike Lockett <Mike.Lockett@enlink.com>
Subject: FW: [EXTERNAL] Remediation Denied - Enlink - Falcon CDP - (Incident #NRM2000659184)

 **CAUTION:** This email originated from an external sender. Verify the source before opening links or attachments. 

Found it! Let me know if you need anything else.

Mike,

I needed to get a clarification on whether the Falcon CDP Facility is equivalent to being on an active well pad. The area inside the EnLink Site Boundary Lease will be treated as if it is on an active well pad, so Table 1 limits in the spill rule would apply to any part of the release **inside the Site Boundary** of the facility. The borehole drilled in the upper north east portion of the Lease to 56.5' showing no groundwater substantiates the claim of groundwater >50'. This would justify the release being remediated to 51'-100' depth to groundwater standards.

The very south side of the spray area and the spill path heading down south into the sandy field would be considered pasture, since it is outside the Site Boundary. This part of the release is not equivalent to being on an active well pad, so all sample points will need to be treated as if it were in the pasture. All off pad areas must contain a minimum of 4 feet non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and TPH less than 100 mg/kg. In the pasture area, 4 feet below the ground surface, soil contamination limits revert back to Table 1 "Closure Criteria for Soils Impacted by a Release" included in the spill rule
<http://164.64.110.134/parts/title19/19.015.0029.html>

Aerating the soil is your choice, but in the end the closure criteria samples need to be below the limits established in Table 1 of the Spill Rule for the closure to be approved.

Thank you for your diligence in trying to get the clarification/standards outlined before work begins.

Regards,

Robert J Hamlet
State of New Mexico
Energy, Minerals, and Natural Resources
Oil Conservation Division
811 S. First St., Artesia NM 88210
(575) 748-1283
Robert.Hamlet@state.nm.us

Thanks,

Mike Luckett
Lead Environmental Engineer

432.221.9707 office
225.892.2487 mobile

From: Mike Luckett
Sent: Monday, September 14, 2020 8:10 AM
To: tom.larson@ghd.com
Subject: FW: [EXTERNAL] Remediation Denied - Enlink - Falcon CDP - (Incident #NRM2000659184)

Good morning Tom,

It looks like we are going to need an updated remediation plan with more delineation and digging before OCD will sign off on everything. Can you provide a new plan at your earliest convenience?

Mike Luckett
Lead Environmental Engineer

432.221.9738 office
225.892.2487 mobile

From: Susan Singh <Susan.Singh@enlink.com>
Sent: Friday, September 11, 2020 11:53 PM
To: Blake Phillips <blake.phillips@enlink.com>; Mike Luckett <Mike.Luckett@enlink.com>
Subject: Fwd: [EXTERNAL] Remediation Denied - Enlink - Falcon CDP - (Incident #NRM2000659184)

Sent from my iPhone

Begin forwarded message:

From: "Hamlet, Robert, EMNRD" <Robert.Hamlet@state.nm.us>
Date: September 11, 2020 at 5:03:56 PM CDT
To: Susan Singh <Susan.Singh@enlink.com>, Trevor Baird <Trevor.Baird@enlink.com>
Cc: "Bratcher, Mike, EMNRD" <mike.bratcher@state.nm.us>, "Venegas, Victoria, EMNRD" <Victoria.Venegas@state.nm.us>, "Eads, Cristina, EMNRD" <Cristina.Eads@state.nm.us>, "Mann, Ryan" <rmann@slo.state.nm.us>
Subject: [EXTERNAL] Remediation Denied - Enlink - Falcon CDP - (Incident #NRM2000659184)

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Susan,

We have received your Workplan/Remediation Proposal for **Incident #NRM2000659184 Falcon CDP**, thank you. This Workplan/Remediation proposal is denied.

- Occurred on NMSLO property, waited on Right of Entry (received 1/20, Expire 6/20)
- 1501 bbls oil released, 100 bbls oil recovered
- Drilled borehole to 56.5'
- A variance is approved for 1,000 ft² confirmation sample size on the release area.
- **This location is not considered an active well pad, so all sample points will need to be treated as if it were in the pasture. All off pad areas must contain a minimum of 4 feet non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and TPH less than 100 mg/kg. In the pasture area, 4 feet below the ground surface, soil contamination limits revert back to Table 1 "Closure Criteria for Soils Impacted by a Release" included in the spill rule <http://164.64.110.134/parts/title19/19.015.0029.html>**
- Sample points SS-3-4", SS-4-4", SS-5-4", SS-9-4", HA-1-3', , HD-2, and HD-8 are over the 100 mg/kg limit on TPH for the 4 feet non-waste containing uncontaminated, earthen material. These sample locations will need further delineation/excavation.
- Sample point [SL-4A@4.5'](#) is 4 feet below the ground surface. The correct limit for TPH 51'-100' is 2,500 mg/kg (GRO+DRO+MRO) or 1,000 mg/kg for (GRO+DRO). This sample point is 14,200 mg/kg, which is well over the limit. This sample location will need further delineation/excavation.

Please let me know if you have any further questions.

Regards,

Robert J Hamlet
State of New Mexico
Energy, Minerals, and Natural Resources
Oil Conservation Division
811 S. First St., Artesia NM 88210
(575) 748-1283
Robert.Hamlet@state.nm.us

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.



NYSE: ENLC

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2904 W 2nd St.
Roswell, NM 88201
voice: 575.624.2420
fax: 575.624.2421
www.atkinseng.com

June 4, 2020

Grant McAfee
Resolute Compliance
115 FM 2453, Suite A
Royse City, TX 75189

Re: Groundwater determination for Falcon Site, Eddy County, New Mexico

Mr. McAfee:

Atkins Engineering Associates, Inc. (AEA) submits this report of a groundwater determination for the Falcon site located at approximately 32.2534620°, -103.959474° in the NWNW Lot 3 (Unit D) of Section 002, Township 24 South, Range 29 East, N.M.P.M. Eddy County, New Mexico.

Drilling and Plugging Operations

On May 27, 2020, AEA mobilized to site. boring was advanced using the 3.25" i.d. hollow stem augers to approximately 56 feet below ground surface (bgs). During drilling, no apparent water was pushed to surface. Material consisted of sand to total depth where auger refusal occurred.

Center tooling was removed, and temporary well materials were landed consisting of 20 feet of 0.020" slotted 2" Sch 40 PVC screen set at 36.5-56.5 feet bgs with riser to above land surface. A water level probe was lower within the casing and no water was detected with a total depth measured at 56.5 feet bgs.

Approximately 120 hours later, on June 1, 2020, AEA mobilized to site, and checked for water—none was found. The temporary well materials were pulled, and the boring was abandoned using .10 feet of hydrated 3/8" bentonite Hole Plug, native backfill to 4 feet bgs and cement grout and bentonite Hole Plug to land surface.

Summary

The depth to ground water below the site is **greater than 56.5 feet**. If you have any questions, please contact me at lucas@atkinseng.com or 575.499.9244.

Sincerely

A handwritten signature in dark ink that reads "Lucas Middleton". The signature is written in a cursive, flowing style.

Lucas Middleton
Staff Geoscientist

Attachments: As noted above

Log

SB-1

Page 1 of 1

Client: Resolute Compliance
Location: Falcon
Purpose: Boring to determine groundwater presence
Project: rcfalco.drl.20

Completion Date 6/1/2020
Drilling Contractor Atkins Engineering
Drilling Method Hollow Stem Auger
Boring Diameter 3.25 i.d.

Latitude 32.254620
Longitude -103.959474°
Surface Elevation (ft) approx. 3080'
Total Depth (ft) 56

Depth in Feet	Lithology	USCS	Description	Abandonment
0				
5		SP	Sand, Medium/Fine grained, poorly graded with Calchie, Light Brown (7.5 YR 6/4) -Dry	
10				
15				
20		SP	Sand, Fine grained, poorly graded, Light Brown (7.5 YR 6/4) -Dry	
25				
30				
35		SP	Sand, Medium/Fine grained, poorly graded, with Calchie, Brown (7.5 YR 56/) -Dry	
40				
45		SP	Sand, Fine grained, poorly graded, Brown (7.5 YR 4/4) -Dry	
50				
55		SP	Sand, Fine grained, poorly graded & Stiff Clay, Reddish Brown (5.0 YR 5/6) -Dry	

-  Bentonite Seal
-  Neat Cement/Bentonite
-  Native Fill

Lithology Legend

 Sand

NOTES:

Atkins
ENGINEERING ASSOCIATES



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National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

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- Introducing The Next Generation of USGS Water Data for the Nation
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 321717103561001

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

USGS 321717103561001 23S.29E.24.41321

Eddy County, New Mexico
Latitude 32°17'17", Longitude 103°56'10" NAD27
Land-surface elevation 3,034 feet above NAVD88
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source of measurement	Water-level approval status
1983-02-02		D	72019	52.17				U		U	A
1987-10-14		D	72019	50.54				U		U	A
1992-11-16		D	72019	54.14				S		U	A
2003-01-29		D	72019	50.26				S	USGS	A	A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	72019	Depth to water level, feet below land surface
Status		The reported water-level measurement represents a static level
Method of measurement	S	Steel-tape measurement.
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement	A	Reported by another government agency (do not use "A" if reported by owner, use "O").
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 00349	C	CUB	ED	1	3	18	24S	29E		591401	3564773*	2734		
C 00381	C	CUB	ED	3	2	3	07	24S	29E	591682	3566297*	2797		
C 00463		C	ED	4	4	4	17	24S	29E	594332	3564282*	260	4	256
C 00856		CUB	ED	1	2	4	30	24S	29E	592538	3561644*	380		
C 00857		CUB	ED	3	1	4	30	24S	29E	592135	3561440*	306		
C 00862		CUB	ED	1	2	4	30	24S	29E	592538	3561644*	155		
C 00863		CUB	ED	3	3	1	16	24S	29E	594524	3565091*	220		
C 00863 CLW199506	O	CUB	ED	3	3	1	16	24S	29E	594524	3565091*	220		
C 02713		CUB	ED	4	4	1	16	24S	29E	591633	3565944	230	18	212
C 03615 POD1		CUB	ED	1	3	2	06	24S	29E	591964	3568500	60	36	24
C 03615 POD2		CUB	ED	4	2	4	06	24S	29E	592661	3568013	60	26	34
C 04481 POD1		CUB	ED	1	3	4	03	24S	29E	596799	3567778	135		
C 04481 POD2		CUB	ED	1	3	4	03	24S	29E	596852	3567748	120		
C 04481 POD3		CUB	ED	2	4	3	03	24S	29E	596799	3567778	120		
C 04481 POD4		CUB	ED	2	4	3	03	24S	29E	596747	3567685	150		
C 04481 POD5		CUB	ED	2	4	3	03	24S	29E	596747	3567747	120		
C 04481 POD6		CUB	ED	2	4	3	03	24S	29E	596748	3567654	120		
C 04481 POD8		CUB	ED	1	3	4	03	24S	29E	596852	3567655	125		

*UTM location was derived from PLSS - see Help

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

Average Depth to Water: **21 feet**

Minimum Depth: **4 feet**

Maximum Depth: **36 feet**

Record Count: 18

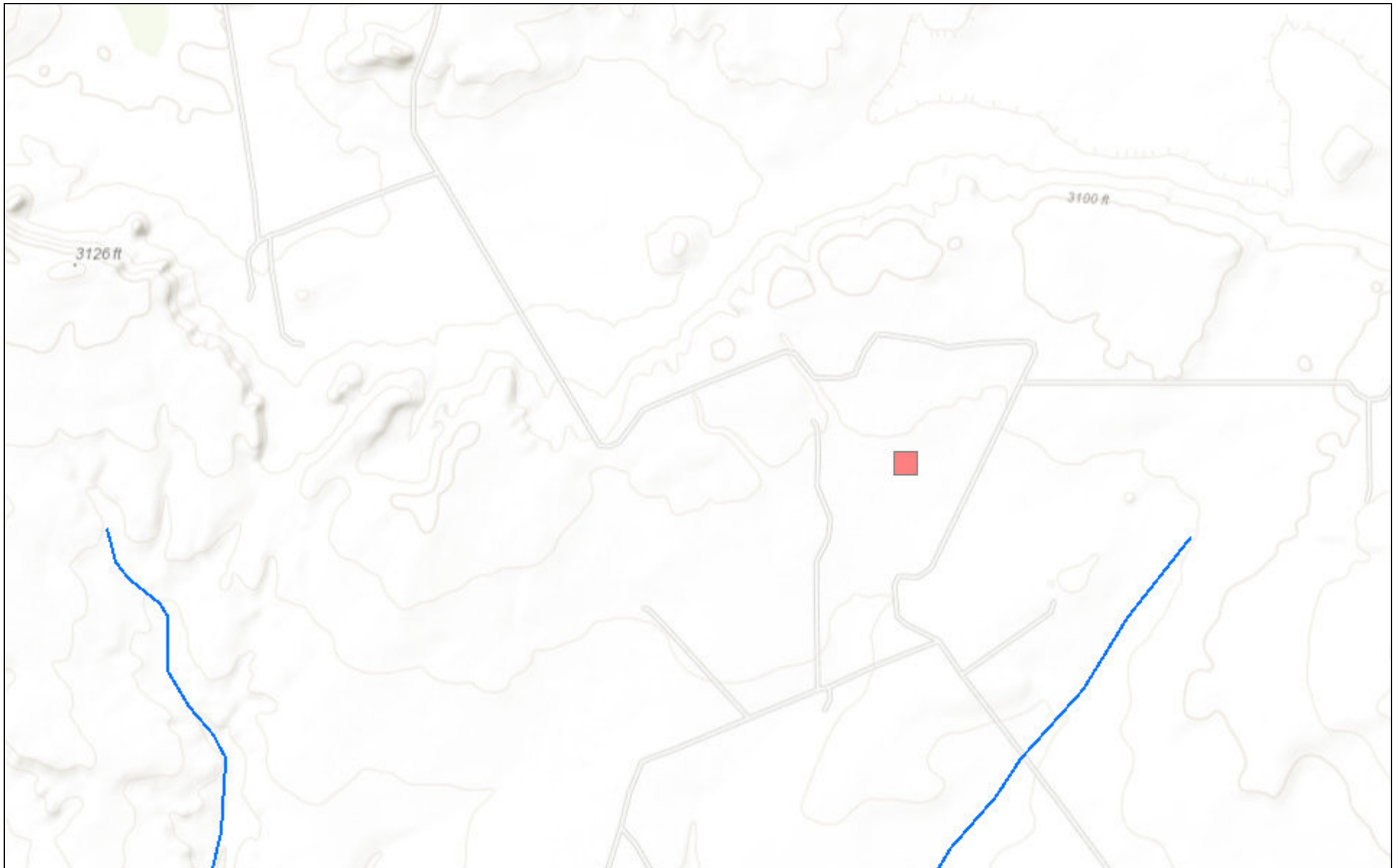
Basin/County Search:

County: Eddy

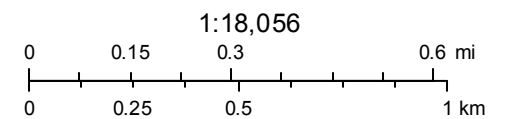
PLSS Search:

Township: 24S **Range:** 29E

New Mexico NFHL Data



January 24, 2021



FEMA
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS,



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Site Information

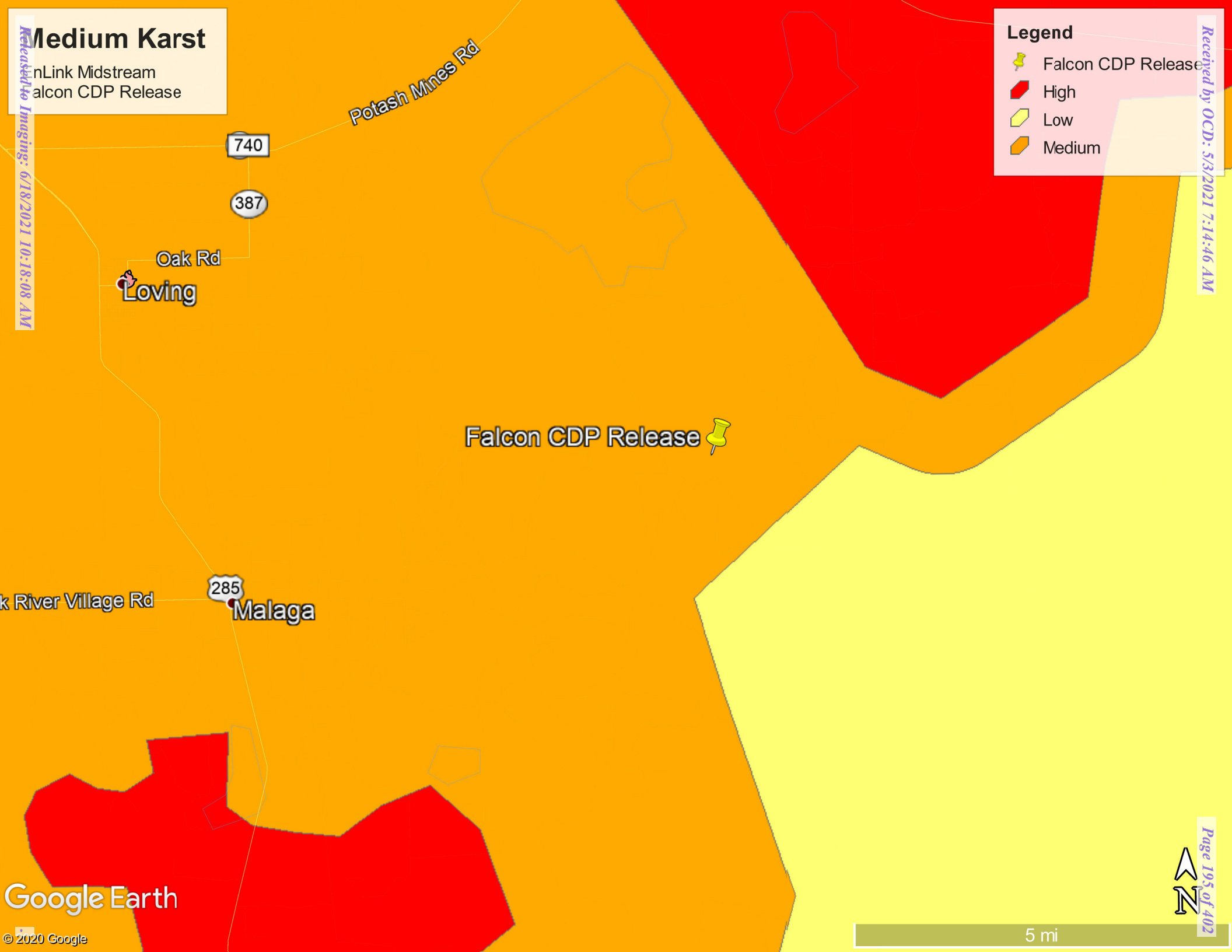
Medium Karst
nLink Midstream
Falcon CDP Release

Released by Imaging: 6/18/2021 10:18:08 AM

Legend

-  Falcon CDP Release
-  High
-  Low
-  Medium

Received by OCD: 5/3/2021 7:14:46 AM



Water Well Data
Average Depth to Groundwater (ft)
EnLink Falcon CDP Release
Eddy County, New Mexico

23 South			28 East		
6	16.5	5	4	3	2
7	26.5	8	9	10	11
18	17	16	15	14	13
63			14		33
19	20	21	22	23	24
	56		39	22'	36
30	29	28	27	26	25
	28.7				44
31	32	33	34	35	36

23 South			29 East		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
10	65				
19	20	21	22	23	24
28					
30	29	28	27	26	25
35					
31	32	33	34	35	36

23 South			30 East		
6	5	4	3	2	1
110				250	
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36
			440		

24 South			28 East		
6	70	5	30	4	30
7	8	50	9	10	11
18	17	16	15	14	13
	42	29	18	52	34
19	20	21	22	23	24
	48				
30	29	28	27	26	25
31	32	33	34	35	36

24 South			29 East		
6	5	4	3	2	1
7	8	9	10	11	12
160					
18	17	4	16	15	14
			18		
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

24 South			30 East		
6	5	4	3	2	1
7	8		9	10	11
18	17	16	15	14	13
19	231	20	21	22	23
150				400	
30	29	28	27	26	25
31	32	33	34	35	36

25 South			28 East		
6	5	4	35	3	32
	59				
7	8	9	10	11	12
18	17	16	15	14	13
67			49		
19	20	21	22	23	24
	96				
30	29	28	27	26	40
	15	90			
31	32	33	34	35	36
					40

25 South			29 East		
6	5	4	3	2	1
40					
7	8	9	10	11	12
18	17	16	15	14	13
			40		
			60		
19	20	21	22	23	24
30	29	28	27	26	25
30					
31	32	115	33	34	35

25 South			30 East		
6	5	4	3	2	1
				295	
7	264	8	9	295	10
					390
18	17	16	15	14	13
19	20	21	22	23	24
		265			
30	29	28	27	26	25
		268			
31	32	33	34	35	36

88 New Mexico State Engineers Well Reports

105 USGS Well Reports

90 Geology and Groundwater Conditions in Southern Lea, County, NM (Report 6)

Geology and Groundwater Resources of Eddy County, NM (Report 3)

34 NMOCD - Groundwater Data

123 Tetra Tech installed temporary wells and field water level

143 NMOCD Groundwater map well location

Appendix D

Certificate of Analysis Summary 682752



Tetra Tech- Midland, Midland, TX

Project Name: Falcon Remediation

Project Id: 212C-MD-02376
Contact: Brittany Long
Project Location: Eddy County, NM

Date Received in Lab: Tue 12.29.2020 08:54**Report Date:** 01.12.2021 15:37**Project Manager:** Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	682752-001		682752-002		682752-003		682752-004		682752-005		682752-006	
	<i>Field Id:</i>	Trench-1 (0-1')		Trench-1 (1')		Trench-1 (2')		Trench-1 (3')		Trench-1 (4')		Trench-2 (0-1')	
	<i>Depth:</i>	0-1 ft		1- ft		2- ft		3- ft		4- ft		0-1 ft	
	<i>Matrix:</i>	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	<i>Sampled:</i>	12.15.2020 00:00		12.15.2020 00:00		12.15.2020 00:00		12.15.2020 00:00		12.15.2020 00:00		12.15.2020 00:00	
TPH By SW8015 Mod	<i>Extracted:</i>	12.29.2020 14:00		12.29.2020 14:00		12.29.2020 14:00		12.29.2020 14:00		12.29.2020 14:00		12.29.2020 14:00	
	<i>Analyzed:</i>	12.29.2020 23:12		12.30.2020 00:11		12.30.2020 00:30		12.30.2020 00:50		12.30.2020 01:09		12.30.2020 01:28	
	<i>Units/RL:</i>	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		53.9	F 50.0	58.1	49.9	<50.0	50.0	<49.9	49.9	<50.0	50.0	50.7	49.9
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9
Total TPH		53.9	50.0	58.1	49.9	<50.0	50.0	<49.9	49.9	<50.0	50.0	50.7	49.9

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Certificate of Analysis Summary 682752



Tetra Tech- Midland, Midland, TX

Project Name: Falcon Remediation

Project Id: 212C-MD-02376
Contact: Brittany Long
Project Location: Eddy County, NM

Date Received in Lab: Tue 12.29.2020 08:54**Report Date:** 01.12.2021 15:37**Project Manager:** Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	682752-011		682752-012		682752-013		682752-014		682752-015		682752-016	
	<i>Field Id:</i>	Trench-3 (0-1')		Trench-3 (1')		Trench-3 (2')		Trench-3 (3')		Trench-3 (4')		Trench-4 (0-1')	
	<i>Depth:</i>	0-1 ft		1- ft		2- ft		3- ft		4- ft		0-1 ft	
	<i>Matrix:</i>	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	<i>Sampled:</i>	12.21.2020 00:00		12.21.2020 00:00		12.21.2020 00:00		12.21.2020 00:00		12.21.2020 00:00		12.21.2020 00:00	
TPH By SW8015 Mod	<i>Extracted:</i>	12.29.2020 14:00		12.29.2020 14:00		12.29.2020 14:00		12.29.2020 14:00		12.29.2020 14:00		12.29.2020 14:00	
	<i>Analyzed:</i>	12.30.2020 01:48		12.30.2020 02:07		12.30.2020 02:27		12.30.2020 02:46		12.30.2020 03:26		12.30.2020 03:45	
	<i>Units/RL:</i>	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<50.0	50.0	55.9	50.0	59.3	49.9	<50.0	50.0	<49.9	49.9
Diesel Range Organics (DRO)		<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9
Total TPH		<49.8	49.8	<50.0	50.0	55.9	50.0	59.3	49.9	<50.0	50.0	<49.9	49.9

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Certificate of Analysis Summary 682752



Tetra Tech- Midland, Midland, TX

Project Name: Falcon Remediation

Project Id: 212C-MD-02376
Contact: Brittany Long
Project Location: Eddy County, NM

Date Received in Lab: Tue 12.29.2020 08:54**Report Date:** 01.12.2021 15:37**Project Manager:** Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	682752-017		682752-018		682752-019		682752-020		682752-021		682752-022	
	<i>Field Id:</i>	Trench-4 (1')		Trench-4 (2')		Trench-4 (3')		Trench-4 (4')		Trench-5 (0-1')		Trench-5 (1')	
	<i>Depth:</i>	1- ft		2- ft		3- ft		4- ft		0-1 ft		1- ft	
	<i>Matrix:</i>	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	<i>Sampled:</i>	12.21.2020 00:00		12.21.2020 00:00		12.21.2020 00:00		12.21.2020 00:00		12.21.2020 00:00		12.21.2020 00:00	
TPH By SW8015 Mod	<i>Extracted:</i>	12.29.2020 14:00		12.29.2020 14:00		12.29.2020 14:00		12.29.2020 14:00		12.29.2020 14:00		12.29.2020 14:00	
	<i>Analyzed:</i>	12.30.2020 04:05		12.30.2020 04:24		12.30.2020 04:44		12.30.2020 05:03		12.30.2020 05:22		12.30.2020 05:41	
	<i>Units/RL:</i>	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	50.3	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9
Diesel Range Organics (DRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	227 F	49.9	370 F	49.9
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	52.3	49.9	101	49.9
Total TPH		<49.9	49.9	50.3	49.8	<50.0	50.0	<50.0	50.0	279	49.9	471	49.9

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Tetra Tech- Midland, Midland, TX

Project Name: Falcon Remediation

Project Id: 212C-MD-02376
Contact: Brittany Long
Project Location: Eddy County, NM

Date Received in Lab: Tue 12.29.2020 08:54**Report Date:** 01.12.2021 15:37**Project Manager:** Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	682752-023		682752-024		682752-025		682752-026		682752-027		682752-028	
	<i>Field Id:</i>	Trench-5 (2')		Trench-5(3')		Trench-5 (4')		Trench-6 (0-1')		Trench-6 (1')		Trench-6 (2')	
	<i>Depth:</i>	2- ft		3- ft		4- ft		0-1 ft		1- ft		2- ft	
	<i>Matrix:</i>	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	<i>Sampled:</i>	12.21.2020 00:00		12.21.2020 00:00		12.21.2020 00:00		12.21.2020 00:00		12.21.2020 00:00		12.21.2020 00:00	
TPH By SW8015 Mod	<i>Extracted:</i>	12.29.2020 14:00		12.29.2020 14:00		12.29.2020 16:00		12.29.2020 16:00		12.29.2020 16:00		12.29.2020 16:00	
	<i>Analyzed:</i>	12.30.2020 06:00		12.30.2020 06:19		12.30.2020 07:56		12.30.2020 08:54		12.30.2020 09:14		12.30.2020 09:33	
	<i>Units/RL:</i>	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		58.2	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0
Diesel Range Organics (DRO)		<50.0	50.0	<50.0	50.0	50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0
Total TPH		58.2	50.0	<50.0	50.0	50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0

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Tetra Tech- Midland, Midland, TX

Project Name: Falcon Remediation

Project Id: 212C-MD-02376
Contact: Brittany Long
Project Location: Eddy County, NM

Date Received in Lab: Tue 12.29.2020 08:54**Report Date:** 01.12.2021 15:37**Project Manager:** Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	682752-029		682752-030		682752-034		682752-035		682752-036		682752-040	
	<i>Field Id:</i>	Trench-6 (3')		Trench-6 (4')		Trench-7 (3')		Trench-7 (4')		Trench-7 (5')		Trench-8 (3')	
	<i>Depth:</i>	3- ft		4- ft		3- ft		4- ft		5- ft		3- ft	
	<i>Matrix:</i>	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	<i>Sampled:</i>	12.21.2020 00:00		12.21.2020 00:00		12.21.2020 00:00		12.21.2020 00:00		12.21.2020 00:00		12.21.2020 00:00	
TPH By SW8015 Mod	<i>Extracted:</i>	12.29.2020 16:00		12.29.2020 16:00		12.29.2020 16:00		12.29.2020 16:00		12.29.2020 16:00		12.29.2020 16:00	
	<i>Analyzed:</i>	12.30.2020 09:52		12.30.2020 10:12		12.30.2020 10:31		12.30.2020 10:51		12.30.2020 11:11		12.30.2020 11:30	
	<i>Units/RL:</i>	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	63.9	50.0	65.1	50.0	<49.9	49.9	<49.9	49.9	274	50.0
Diesel Range Organics (DRO)		<50.0	50.0	<50.0	50.0	548	50.0	<49.9	49.9	53.3	49.9	3540	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0	71.1	50.0	<49.9	49.9	<49.9	49.9	389	50.0
Total TPH		<50.0	50.0	63.9	50.0	684	50.0	<49.9	49.9	53.3	49.9	4200	50.0

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Tetra Tech- Midland, Midland, TX

Project Name: Falcon Remediation

Project Id: 212C-MD-02376
Contact: Brittany Long
Project Location: Eddy County, NM

Date Received in Lab: Tue 12.29.2020 08:54**Report Date:** 01.12.2021 15:37**Project Manager:** Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	682752-041	682752-042	682752-046	682752-047	682752-048	682752-050
	<i>Field Id:</i>	Trench-8 (4')	Trench-8 (5')	Trench-9 (3')	Trench-9 (4')	Trench-9 (5')	Trench-10 (1')
	<i>Depth:</i>	1-1 ft	1-1 ft	1-1 ft	1-1 ft	1-1 ft	1-1 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	12.21.2020 00:00	12.21.2020 00:00	12.21.2020 00:00	12.21.2020 00:00	12.21.2020 00:00	12.21.2020 00:00
BTEX by EPA 8021B	<i>Extracted:</i>			12.30.2020 10:00	12.30.2020 10:00	12.30.2020 10:00	12.30.2020 10:00
	<i>Analyzed:</i>			12.30.2020 12:55	12.30.2020 13:21	12.30.2020 13:47	12.30.2020 14:13
	<i>Units/RL:</i>			mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene				<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199
Toluene				<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199
Ethylbenzene				<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199
m,p-Xylenes				<0.00399 0.00399	<0.00400 0.00400	<0.00399 0.00399	<0.00398 0.00398
o-Xylene				<0.00200 0.00200	0.0272 0.00200	<0.00200 0.00200	0.00246 0.00199
Total Xylenes				<0.00200 0.00200	0.0272 0.00200	<0.00200 0.00200	0.00246 0.00199
Total BTEX				<0.00200 0.00200	0.0272 0.00200	<0.00200 0.00200	0.00246 0.00199
TPH By SW8015 Mod	<i>Extracted:</i>	12.29.2020 16:00	12.29.2020 16:00	12.29.2020 16:00	12.29.2020 16:00	12.29.2020 16:00	12.29.2020 16:00
	<i>Analyzed:</i>	12.30.2020 16:14	12.30.2020 16:33	12.30.2020 17:31	12.30.2020 17:50	12.30.2020 18:10	12.30.2020 18:29
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.0 50.0	<49.9 49.9	90.5 50.0	<49.9 49.9	<50.0 50.0	123 49.9
Diesel Range Organics (DRO)		374 50.0	<49.9 49.9	571 50.0	<49.9 49.9	88.5 50.0	5120 49.9
Motor Oil Range Hydrocarbons (MRO)		50.6 50.0	<49.9 49.9	90.3 50.0	<49.9 49.9	<50.0 50.0	489 49.9
Total TPH		425 50.0	<49.9 49.9	752 50.0	<49.9 49.9	88.5 50.0	5730 49.9

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Tetra Tech- Midland, Midland, TX

Project Name: Falcon Remediation

Project Id: 212C-MD-02376
Contact: Brittany Long
Project Location: Eddy County, NM

Date Received in Lab: Tue 12.29.2020 08:54**Report Date:** 01.12.2021 15:37**Project Manager:** Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	682752-051	682752-052	682752-056	682752-057	682752-058	682752-063
	<i>Field Id:</i>	Trench-10 (2')	Trench-10 (3')	Trench-11 (2')	Trench-11 (3')	Trench-11 (4')	Trench-12 (4')
	<i>Depth:</i>	1-1 ft	1-1 ft	1-1 ft	1-1 ft	1-1 ft	1-1 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	12.21.2020 00:00	12.21.2020 00:00	12.21.2020 00:00	12.21.2020 00:00	12.21.2020 00:00	12.21.2020 00:00
BTEX by EPA 8021B	<i>Extracted:</i>	12.30.2020 10:00	12.30.2020 10:00				
	<i>Analyzed:</i>	12.30.2020 14:39	12.30.2020 15:06				
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL				
Benzene		<0.00200 0.00200	<0.00198 0.00198				
Toluene		<0.00200 0.00200	<0.00198 0.00198				
Ethylbenzene		<0.00200 0.00200	<0.00198 0.00198				
m,p-Xylenes		<0.00401 0.00401	<0.00396 0.00396				
o-Xylene		<0.00200 0.00200	<0.00198 0.00198				
Total Xylenes		<0.00200 0.00200	<0.00198 0.00198				
Total BTEX		<0.00200 0.00200	<0.00198 0.00198				
TPH By SW8015 Mod	<i>Extracted:</i>	12.29.2020 16:00	12.29.2020 16:00	01.08.2021 16:00	12.29.2020 16:00	12.29.2020 16:00	12.29.2020 16:00
	<i>Analyzed:</i>	12.30.2020 18:49	12.30.2020 19:08	01.09.2021 08:21	12.30.2020 19:27	12.29.2020 23:56	12.30.2020 01:03
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.0 50.0	<50.0 50.0	72.7 K 49.9	<49.9 49.9	<50.0 50.0	<49.9 49.9
Diesel Range Organics (DRO)		66.2 50.0	<50.0 50.0	2850 K 49.9	130 49.9	<50.0 50.0	130 49.9
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<50.0 50.0	260 K 49.9	<49.9 49.9	<50.0 50.0	<49.9 49.9
Total TPH		66.2 50.0	<50.0 50.0	3180 K 49.9	130 49.9	<50.0 50.0	130 49.9

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Tetra Tech- Midland, Midland, TX

Project Name: Falcon Remediation

Project Id: 212C-MD-02376
Contact: Brittany Long
Project Location: Eddy County, NM

Date Received in Lab: Tue 12.29.2020 08:54**Report Date:** 01.12.2021 15:37**Project Manager:** Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	682752-064		682752-065		682752-070		682752-071		682752-072		682752-073	
	<i>Field Id:</i>	Trench-12 (5')		Trench-12 (6')		Trench-13 (4')		Trench-13 (5')		Trench-13 (6')		Trench-13 (7')	
	<i>Depth:</i>	1-1 ft		1-1 ft		1-1 ft		1-1 ft		1-1 ft		1-1 ft	
	<i>Matrix:</i>	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	<i>Sampled:</i>	12.21.2020 00:00		12.21.2020 00:00		12.21.2020 00:00		12.21.2020 00:00		12.21.2020 00:00		12.21.2020 00:00	
TPH By SW8015 Mod	<i>Extracted:</i>	12.29.2020 16:00		12.29.2020 16:00		12.29.2020 16:00		12.29.2020 16:00		12.29.2020 16:00		12.29.2020 16:00	
	<i>Analyzed:</i>	12.30.2020 01:25		12.30.2020 01:48		12.30.2020 02:10		12.30.2020 02:33		12.30.2020 02:55		12.30.2020 03:18	
	<i>Units/RL:</i>	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<50.0	50.0	1820	49.9	973	50.0	288	49.9	<49.9	49.9
Diesel Range Organics (DRO)		<49.8	49.8	<50.0	50.0	5320	49.9	3540	50.0	2020	49.9	174	49.9
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<50.0	50.0	367	49.9	254	50.0	157	49.9	<49.9	49.9
Total TPH		<49.8	49.8	<50.0	50.0	7510	49.9	4770	50.0	2470	49.9	174	49.9

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Tetra Tech- Midland, Midland, TX

Project Name: Falcon Remediation

Project Id: 212C-MD-02376
Contact: Brittany Long
Project Location: Eddy County, NM

Date Received in Lab: Tue 12.29.2020 08:54**Report Date:** 01.12.2021 15:37**Project Manager:** Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	682752-074	682752-075	682752-076	682752-077	682752-078	682752-079
	<i>Field Id:</i>	Trench-13 (8')	Trench-14 (0-1')	Trench-14 (1')	Trench-14 (2')	Trench-14 (3')	Trench-14 (4')
	<i>Depth:</i>	1-1 ft	1-1 ft	1-1 ft	1-1 ft	1-1 ft	1-1 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	12.21.2020 00:00	12.21.2020 00:00	12.21.2020 00:00	12.21.2020 00:00	12.21.2020 00:00	12.21.2020 00:00
BTEX by EPA 8021B	<i>Extracted:</i>		12.30.2020 10:00	12.30.2020 10:00	12.30.2020 10:00	12.30.2020 10:00	12.30.2020 10:00
	<i>Analyzed:</i>		12.30.2020 15:32	12.30.2020 15:58	12.30.2020 16:24	12.30.2020 16:51	12.30.2020 18:35
	<i>Units/RL:</i>		mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene			<0.00199 0.00199	0.00263 0.00198	0.00524 0.00198	<0.00201 0.00201	<0.00202 0.00202
Toluene			0.0702 0.00199	0.0464 0.00198	0.0579 0.00198	0.0246 0.00201	<0.00202 0.00202
Ethylbenzene			0.0337 0.00199	0.0494 0.00198	0.0574 0.00198	0.0408 0.00201	<0.00202 0.00202
m,p-Xylenes			0.242 0.00398	0.513 0.00397	0.618 0.00396	0.284 0.00402	<0.00404 0.00404
o-Xylene			0.139 0.00199	0.344 0.00198	0.348 0.00198	0.259 0.00201	<0.00202 0.00202
Total Xylenes			0.381 0.00199	0.857 0.00198	0.966 0.00198	0.543 0.00201	<0.00202 0.00202
Total BTEX			0.485 0.00199	0.955 0.00198	1.09 0.00198	0.608 0.00201	<0.00202 0.00202
TPH By SW8015 Mod	<i>Extracted:</i>	12.29.2020 16:00	12.29.2020 16:00	12.29.2020 16:00	12.29.2020 16:00	12.29.2020 16:00	12.29.2020 16:00
	<i>Analyzed:</i>	12.30.2020 03:40	12.30.2020 04:03	12.30.2020 04:48	12.30.2020 05:10	12.30.2020 05:32	12.30.2020 05:53
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.0 50.0	1400 49.9	618 50.0	747 49.9	292 49.9	<50.0 50.0
Diesel Range Organics (DRO)		<50.0 50.0	14300 E 49.9	5000 50.0	4340 49.9	2530 49.9	50.4 50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	1070 49.9	342 50.0	313 49.9	205 49.9	67.3 50.0
Total TPH		<50.0 50.0	16800 49.9	5960 50.0	5400 49.9	3030 49.9	118 50.0

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Certificate of Analysis Summary 682752



Tetra Tech- Midland, Midland, TX

Project Name: Falcon Remediation

Project Id: 212C-MD-02376
Contact: Brittany Long
Project Location: Eddy County, NM

Date Received in Lab: Tue 12.29.2020 08:54**Report Date:** 01.12.2021 15:37**Project Manager:** Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	682752-080	682752-084	682752-085	682752-086	682752-087	682752-088
	<i>Field Id:</i>	Trench-14 (5')	Trench-15 (3')	Trench-15 (4')	Trench-15 (5')	Trench-16 (0-1')	Trench-16 (1')
	<i>Depth:</i>	1-1 ft	1-1 ft	1-1 ft	1-1 ft	1-1 ft	1-1 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	12.21.2020 00:00	12.21.2020 00:00	12.21.2020 00:00	12.21.2020 00:00	12.21.2020 00:00	12.21.2020 00:00
BTEX by EPA 8021B	<i>Extracted:</i>	12.30.2020 10:00					
	<i>Analyzed:</i>	12.30.2020 19:01					
	<i>Units/RL:</i>	mg/kg RL					
Benzene		<0.00200 0.00200					
Toluene		<0.00200 0.00200					
Ethylbenzene		<0.00200 0.00200					
m,p-Xylenes		<0.00400 0.00400					
o-Xylene		0.00290 0.00200					
Total Xylenes		0.00290 0.00200					
Total BTEX		0.00290 0.00200					
TPH By SW8015 Mod	<i>Extracted:</i>	12.29.2020 16:00	12.29.2020 16:00	12.29.2020 16:00	12.29.2020 16:00	12.29.2020 16:00	12.29.2020 16:00
	<i>Analyzed:</i>	12.30.2020 06:15	12.30.2020 06:37	12.30.2020 06:59	12.30.2020 07:21	12.30.2020 07:44	12.30.2020 08:07
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.0 50.0	705 49.9	589 50.0	<49.9 49.9	266 50.0	73.5 50.0
Diesel Range Organics (DRO)		261 50.0	3520 49.9	3590 50.0	120 49.9	7930 50.0	1990 50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	250 49.9	251 50.0	60.3 49.9	640 50.0	178 50.0
Total TPH		261 50.0	4480 49.9	4430 50.0	180 49.9	8840 50.0	2240 50.0

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Certificate of Analysis Summary 682752



Tetra Tech- Midland, Midland, TX

Project Name: Falcon Remediation

Project Id: 212C-MD-02376
Contact: Brittany Long
Project Location: Eddy County, NM

Date Received in Lab: Tue 12.29.2020 08:54**Report Date:** 01.12.2021 15:37**Project Manager:** Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	682752-089		682752-092		682752-093		682752-094		682752-095		682752-096	
	<i>Field Id:</i>	Trench-16 (2')		Trench-17 (0-1')		Trench-17 (1')		Trench-17 (2)		Trench-17 (3')		Trench-17 (4')	
	<i>Depth:</i>	1-1 ft		1-1 ft		1-1 ft		1-1 ft		1-1 ft		1-1 ft	
	<i>Matrix:</i>	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	<i>Sampled:</i>	12.21.2020 00:00		12.21.2020 00:00		12.21.2020 00:00		12.21.2020 00:00		12.21.2020 00:00		12.21.2020 00:00	
TPH By SW8015 Mod	<i>Extracted:</i>	12.29.2020 16:00		12.29.2020 16:00		12.29.2020 16:00		12.29.2020 16:00		12.29.2020 16:00		12.29.2020 16:00	
	<i>Analyzed:</i>	12.30.2020 21:05		12.30.2020 22:03		12.30.2020 22:23		12.30.2020 22:42		12.30.2020 23:01		12.30.2020 23:20	
	<i>Units/RL:</i>	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		167	50.0	177	50.0	256	50.0	300	49.9	185	50.0	53.4	50.0
Diesel Range Organics (DRO)		2220 X	50.0	5510	50.0	2880	50.0	2410	49.9	1530	50.0	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		286	50.0	549	50.0	353	50.0	306	49.9	196	50.0	<50.0	50.0
Total TPH		2670	50.0	6240	50.0	3490	50.0	3020	49.9	1910	50.0	53.4	50.0

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Certificate of Analysis Summary 682752



Tetra Tech- Midland, Midland, TX

Project Name: Falcon Remediation

Project Id: 212C-MD-02376
Contact: Brittany Long
Project Location: Eddy County, NM

Date Received in Lab: Tue 12.29.2020 08:54**Report Date:** 01.12.2021 15:37**Project Manager:** Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	682752-097	682752-098	682752-099	682752-100	682752-101	682752-102
	<i>Field Id:</i>	Trench-17 (5')	Trench-17 (6')	Trench-17 (7')	Trench-18 (0-1')	Trench-18 (1')	Trench-18 (2')
	<i>Depth:</i>	1-1 ft	1-1 ft	1-1 ft	1-1 ft	1-1 ft	1-1 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	12.21.2020 00:00	12.21.2020 00:00	12.21.2020 00:00	12.21.2020 00:00	12.21.2020 00:00	12.21.2020 00:00
BTEX by EPA 8021B	<i>Extracted:</i>				12.30.2020 10:00	12.30.2020 10:00	12.30.2020 10:00
	<i>Analyzed:</i>				12.30.2020 19:28	12.30.2020 19:54	12.30.2020 20:21
	<i>Units/RL:</i>				mg/kg RL	mg/kg RL	mg/kg RL
Benzene					<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199
Toluene					<0.00201 0.00201	0.0473 0.00200	0.0260 0.00199
Ethylbenzene					0.00505 0.00201	0.0243 0.00200	0.0151 0.00199
m,p-Xylenes					0.00775 0.00402	0.190 0.00399	0.249 0.00398
o-Xylene					0.00351 0.00201	0.190 0.00200	0.229 0.00199
Total Xylenes					0.0113 0.00201	0.380 0.00200	0.478 0.00199
Total BTEX					0.0163 0.00201	0.452 0.00200	0.519 0.00199
TPH By SW8015 Mod	<i>Extracted:</i>	12.29.2020 16:00	12.31.2020 11:00	12.29.2020 16:00	12.29.2020 16:00	12.29.2020 16:00	12.29.2020 16:00
	<i>Analyzed:</i>	12.30.2020 23:39	12.31.2020 14:09	12.30.2020 23:58	12.31.2020 00:17	12.31.2020 00:36	12.31.2020 01:14
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		60.8 49.9	<50.0 50.0	51.7 50.0	251 50.0	773 49.9	558 50.0
Diesel Range Organics (DRO)		<49.9 49.9	<50.0 50.0	<50.0 50.0	4320 50.0	6130 49.9	4970 50.0
Motor Oil Range Hydrocarbons (MRO)		<49.9 49.9	<50.0 50.0	<50.0 50.0	475 50.0	480 49.9	445 50.0
Total TPH		60.8 49.9	<50.0 50.0	51.7 50.0	5050 50.0	7380 49.9	5970 50.0

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Certificate of Analysis Summary 682752



Tetra Tech- Midland, Midland, TX

Project Name: Falcon Remediation

Project Id: 212C-MD-02376
Contact: Brittany Long
Project Location: Eddy County, NM

Date Received in Lab: Tue 12.29.2020 08:54**Report Date:** 01.12.2021 15:37**Project Manager:** Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	682752-109	682752-110	682752-111	682752-116	682752-117	682752-118
	<i>Field Id:</i>	Trench-19 (4')	Trench-19 (5')	Trench-19 (6')	Trench-20 (4')	Trench-20 (5')	Trench-20 (6')
	<i>Depth:</i>	1-1 ft	1-1 ft	1-1 ft	1-1 ft	1-1 ft	1-1 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	12.22.2020 00:00	12.22.2020 00:00	12.22.2020 00:00	12.22.2020 00:00	12.22.2020 00:00	12.22.2020 00:00
BTEX by EPA 8021B	<i>Extracted:</i>	12.30.2020 10:00	12.30.2020 10:00	12.30.2020 10:00	12.30.2020 10:00	12.30.2020 10:00	12.29.2020 16:00
	<i>Analyzed:</i>	12.30.2020 20:47	12.30.2020 21:14	12.30.2020 21:41	12.30.2020 22:07	12.30.2020 22:34	12.29.2020 19:03
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		0.00214 0.00199	<0.00199 0.00199	<0.00200 0.00200	0.00544 0.00199	0.00367 0.00198	<0.00200 0.00200
Toluene		0.0517 0.00199	0.0420 0.00199	<0.00200 0.00200	0.255 0.00199	0.0622 0.00198	<0.00200 0.00200
Ethylbenzene		0.0595 0.00199	0.0149 0.00199	<0.00200 0.00200	0.186 0.00199	0.0652 0.00198	<0.00200 0.00200
m,p-Xylenes		0.0761 0.00398	0.0102 0.00398	<0.00401 0.00401	20.2 D 0.199	11.8 D 0.0792	<0.00399 0.00399
o-Xylene		0.223 0.00199	0.155 0.00199	<0.00200 0.00200	7.39 D 0.0996	5.00 D 0.0396	<0.00200 0.00200
Total Xylenes		0.299 0.00199	0.165 0.00199	<0.00200 0.00200	27.6 0.0996	16.8 0.0396	<0.00200 0.00200
Total BTEX		0.412 0.00199	0.222 0.00199	<0.00200 0.00200	28.0 0.00199	16.9 0.00198	<0.00200 0.00200
TPH By SW8015 Mod	<i>Extracted:</i>	12.29.2020 16:00	12.29.2020 16:00	12.29.2020 16:00	12.29.2020 16:00	12.29.2020 16:00	12.29.2020 16:00
	<i>Analyzed:</i>	12.31.2020 01:34	12.31.2020 01:53	12.31.2020 02:12	12.31.2020 02:32	12.31.2020 02:51	12.31.2020 03:10
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		760 49.9	161 50.0	50.3 49.8	1890 50.0	578 49.9	54.7 50.0
Diesel Range Organics (DRO)		3400 49.9	1060 50.0	<49.8 49.8	6160 50.0	2480 49.9	<50.0 50.0
Motor Oil Range Hydrocarbons (MRO)		360 49.9	118 50.0	<49.8 49.8	455 50.0	266 49.9	<50.0 50.0
Total TPH		4520 49.9	1340 50.0	50.3 49.8	8510 50.0	3320 49.9	54.7 50.0

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Certificate of Analysis Summary 682752



Tetra Tech- Midland, Midland, TX

Project Name: Falcon Remediation

Project Id: 212C-MD-02376
Contact: Brittany Long
Project Location: Eddy County, NM

Date Received in Lab: Tue 12.29.2020 08:54**Report Date:** 01.12.2021 15:37**Project Manager:** Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	682752-123	682752-124	682752-125	682752-130	682752-131	682752-132
	<i>Field Id:</i>	Trench-21 (4')	Trench-21 (5')	Trench-21 (6')	Trench-22 (4')	Trench-22 (5')	Trench-22 (6')
	<i>Depth:</i>	1-1 ft	1-1 ft	1-1 ft	1-1 ft	1-1 ft	1-1 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	12.22.2020 00:00	12.22.2020 00:00	12.22.2020 00:00	12.22.2020 00:00	12.22.2020 00:00	12.22.2020 00:00
BTEX by EPA 8021B	<i>Extracted:</i>	12.29.2020 16:00	12.29.2020 16:00	12.29.2020 16:00	12.29.2020 16:00	12.29.2020 16:00	12.29.2020 16:00
	<i>Analyzed:</i>	12.29.2020 19:28	12.29.2020 19:53	12.29.2020 20:20	12.29.2020 20:46	12.29.2020 21:12	12.29.2020 21:39
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198	0.00294 0.00200	0.171 0.00200	0.00301 0.00201
Toluene		0.00582 0.00200	<0.00199 0.00199	<0.00198 0.00198	0.0388 0.00200	5.33 D 0.200	1.73 D 0.100
Ethylbenzene		0.141 0.00200	<0.00199 0.00199	<0.00198 0.00198	0.0217 0.00200	6.20 D 0.200	2.97 D 0.100
m,p-Xylenes		0.701 0.00401	<0.00398 0.00398	<0.00396 0.00396	0.252 0.00400	32.5 D 0.400	17.7 D 0.201
o-Xylene		0.394 0.00200	<0.00199 0.00199	<0.00198 0.00198	0.213 0.00200	12.4 D 0.200	5.75 D 0.100
Total Xylenes		1.10 0.00200	<0.00199 0.00199	<0.00198 0.00198	0.465 0.00200	44.9 0.200	23.5 0.100
Total BTEX		1.24 0.00200	<0.00199 0.00199	<0.00198 0.00198	0.528 0.00200	56.6 0.00200	28.2 0.00201
TPH By SW8015 Mod	<i>Extracted:</i>	12.31.2020 11:00	12.31.2020 11:00	12.31.2020 11:00	12.31.2020 11:00	12.31.2020 11:00	12.31.2020 11:00
	<i>Analyzed:</i>	12.31.2020 15:19	12.31.2020 15:42	12.31.2020 16:05	12.31.2020 16:28	12.31.2020 16:51	12.31.2020 17:14
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		294 49.8	<50.0 50.0	<50.0 50.0	456 50.0	1290 50.0	330 49.9
Diesel Range Organics (DRO)		2460 49.8	92.6 50.0	<50.0 50.0	2740 50.0	4510 50.0	2050 49.9
Motor Oil Range Hydrocarbons (MRO)		185 49.8	<50.0 50.0	<50.0 50.0	217 50.0	332 50.0	152 49.9
Total TPH		2940 49.8	92.6 50.0	<50.0 50.0	3410 50.0	6130 50.0	2530 49.9

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Certificate of Analysis Summary 682752



Tetra Tech- Midland, Midland, TX

Project Name: Falcon Remediation

Project Id: 212C-MD-02376
Contact: Brittany Long
Project Location: Eddy County, NM

Date Received in Lab: Tue 12.29.2020 08:54**Report Date:** 01.12.2021 15:37**Project Manager:** Jessica Kramer

Analysis Requested	Lab Id:	682752-133	682752-138	682752-139	682752-140	682752-145	682752-146
	Field Id:	Trench-22 (7')	Trench-23 (4')	Trench-23 (5')	Trench-23 (6')	Trench-24 (4')	Trench-24 (5')
	Depth:	1-1 ft	1-1 ft	1-1 ft	1-1 ft	1-1 ft	1-1 ft
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	12.22.2020 00:00	12.22.2020 00:00	12.22.2020 00:00	12.22.2020 00:00	12.15.2020 00:00	12.15.2020 00:00
BTEX by EPA 8021B		Extracted: 12.30.2020 10:00					
		Analyzed: 12.30.2020 18:43					
		Units/RL: mg/kg RL					
Benzene		<0.00200 0.00200					
Toluene		<0.00200 0.00200					
Ethylbenzene		0.00532 0.00200					
m,p-Xylenes		0.0107 0.00399					
o-Xylene		0.00620 0.00200					
Total Xylenes		0.0169 0.00200					
Total BTEX		0.0222 0.00200					
TPH By SW8015 Mod		Extracted: 12.31.2020 11:00	12.31.2020 11:00	12.31.2020 11:00	12.31.2020 11:00	12.29.2020 11:00	12.29.2020 11:00
		Analyzed: 12.31.2020 17:37	12.31.2020 17:59	12.31.2020 18:22	12.31.2020 19:08	12.30.2020 19:26	12.30.2020 19:49
		Units/RL: mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.0 50.0	96.3 50.0	<49.9 49.9	<50.0 50.0	543 50.0	<49.9 49.9
Diesel Range Organics (DRO)		358 50.0	1130 50.0	69.7 49.9	54.8 50.0	505 50.0	151 49.9
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	85.7 50.0	<49.9 49.9	<50.0 50.0	124 50.0	65.4 49.9
Total TPH		358 50.0	1310 50.0	69.7 49.9	54.8 50.0	1170 50.0	216 49.9

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Certificate of Analysis Summary 682752



Tetra Tech- Midland, Midland, TX

Project Name: Falcon Remediation

Project Id: 212C-MD-02376
Contact: Brittany Long
Project Location: Eddy County, NM

Date Received in Lab: Tue 12.29.2020 08:54**Report Date:** 01.12.2021 15:37**Project Manager:** Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	682752-147		682752-148		682752-153		682752-158		682752-163		682752-168	
	<i>Field Id:</i>	Trench-24 (6')		Trench-25 (0-1')		Trench-26 (0-1')		Trench-27 (0-1')		Trench-28 (0-1')		Trench-29 (0-1')	
	<i>Depth:</i>	1-1 ft		1-1 ft		1-1 ft		1-1 ft		1-1 ft		1-1 ft	
	<i>Matrix:</i>	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	<i>Sampled:</i>	12.15.2020 00:00		12.15.2020 00:00		12.15.2020 00:00		12.21.2020 00:00		12.15.2020 00:00		12.21.2020 00:00	
TPH By SW8015 Mod	<i>Extracted:</i>	12.29.2020 11:00		12.29.2020 11:00		12.29.2020 11:00		12.31.2020 11:00		12.29.2020 11:00		12.31.2020 11:00	
	<i>Analyzed:</i>	12.30.2020 20:35		12.30.2020 20:58		12.30.2020 21:23		12.31.2020 19:31		12.30.2020 21:45		12.31.2020 19:54	
	<i>Units/RL:</i>	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.8	49.8	<49.9	49.9	<50.0	50.0
Diesel Range Organics (DRO)		176	50.0	<50.0	50.0	<50.0	50.0	<49.8	49.8	<49.9	49.9	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.8	49.8	<49.9	49.9	<50.0	50.0
Total TPH		176	50.0	<50.0	50.0	<50.0	50.0	<49.8	49.8	<49.9	49.9	<50.0	50.0

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Tetra Tech- Midland, Midland, TX

Project Name: Falcon Remediation

Project Id: 212C-MD-02376
Contact: Brittany Long
Project Location: Eddy County, NM

Date Received in Lab: Tue 12.29.2020 08:54**Report Date:** 01.12.2021 15:37**Project Manager:** Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	682752-169		682752-170		682752-171		682752-172		682752-173		682752-174	
	<i>Field Id:</i>	Trench-29 (1')		Trench-29 (2')		Trench-29 (3')		Trench-29 (4')		Trench-29 (5')		Trench-29 (6')	
	<i>Depth:</i>	1-1 ft		1-1 ft		1-1 ft		1-1 ft		1-1 ft		1-1 ft	
	<i>Matrix:</i>	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	<i>Sampled:</i>	12.21.2020 00:00		12.21.2020 00:00		12.21.2020 00:00		12.21.2020 00:00		12.21.2020 00:00		12.21.2020 00:00	
TPH By SW8015 Mod	<i>Extracted:</i>	12.31.2020 11:00		12.31.2020 11:00		12.31.2020 11:00		12.31.2020 11:00		12.31.2020 11:00		12.31.2020 11:00	
	<i>Analyzed:</i>	12.31.2020 20:17		12.31.2020 20:39		12.31.2020 21:02		12.31.2020 21:25		12.31.2020 21:47		12.31.2020 22:10	
	<i>Units/RL:</i>	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0
Total TPH		<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0

BRL - Below Reporting Limit

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

Certificate of Analysis Summary 682752

Tetra Tech- Midland, Midland, TX

Project Name: Falcon Remediation

Project Id: 212C-MD-02376
 Contact: Brittany Long
 Project Location: Eddy County, NM

Date Received in Lab: Tue 12.29.2020 08:54

Report Date: 01.12.2021 15:37

Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	682752-175		682752-176		682752-177		682752-178		682752-179		682752-180	
	<i>Field Id:</i>	Trench-29 (7')		Trench-29 (8')		Trench-29 (9')		Trench-29 (10')		Trench-30 (0-1')		Trench-30 (1')	
	<i>Depth:</i>	1-1 ft		1-1 ft		1-1 ft		1-1 ft		1-1 ft		1-1 ft	
	<i>Matrix:</i>	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	<i>Sampled:</i>	12.21.2020 00:00		12.21.2020 00:00		12.21.2020 00:00		12.21.2020 00:00		12.21.2020 00:00		12.21.2020 00:00	
TPH By SW8015 Mod	<i>Extracted:</i>	12.31.2020 11:00		12.31.2020 11:00		12.31.2020 11:00		12.31.2020 11:00		12.31.2020 11:00		12.31.2020 11:00	
	<i>Analyzed:</i>	01.04.2021 16:24		01.04.2021 17:19		01.04.2021 17:37		01.04.2021 17:55		01.04.2021 18:13		01.04.2021 18:31	
	<i>Units/RL:</i>	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.0	50.0	110	49.9	137	49.8
Diesel Range Organics (DRO)		<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.0	50.0	5490	49.9	3490	49.8
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.0	50.0	459	49.9	338	49.8
Total TPH		<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.0	50.0	6060	49.9	3970	49.8

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Certificate of Analysis Summary 682752



Tetra Tech- Midland, Midland, TX

Project Name: Falcon Remediation

Project Id: 212C-MD-02376
Contact: Brittany Long
Project Location: Eddy County, NM

Date Received in Lab: Tue 12.29.2020 08:54**Report Date:** 01.12.2021 15:37**Project Manager:** Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	682752-181	682752-182	682752-183	682752-184	682752-185	682752-190
	<i>Field Id:</i>	Trench-30 (2')	Trench-30 (3')	Trench-30 (4')	Trench-30 (5')	Trench-31 (0-1')	Trench-32 (0-1')
	<i>Depth:</i>	1-1 ft	1-1 ft	1-1 ft	1-1 ft	1-1 ft	1-1 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	12.21.2020 00:00	12.21.2020 00:00	12.21.2020 00:00	12.15.2020 00:00	12.15.2020 00:00	12.21.2020 00:00
TPH By SW8015 Mod	<i>Extracted:</i>	12.31.2020 11:00	12.31.2020 11:00	12.31.2020 11:00	12.29.2020 11:00	12.29.2020 11:00	12.31.2020 11:00
	<i>Analyzed:</i>	01.04.2021 18:50	01.04.2021 19:08	01.04.2021 19:26	12.30.2020 22:08	12.30.2020 22:32	01.04.2021 19:45
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.0 50.0	<50.0 50.0	<49.9 49.9	<49.8 49.8	<49.9 49.9	<50.0 50.0
Diesel Range Organics (DRO)		<50.0 50.0	<50.0 50.0	928 49.9	63.5 49.8	109 49.9	<50.0 50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<50.0 50.0	130 49.9	<49.8 49.8	<49.9 49.9	<50.0 50.0
Total TPH		<50.0 50.0	<50.0 50.0	1060 49.9	63.5 49.8	109 49.9	<50.0 50.0

BRL - Below Reporting Limit

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

Certificate of Analysis Summary 682752



Tetra Tech- Midland, Midland, TX

Project Name: Falcon Remediation

Project Id: 212C-MD-02376
Contact: Brittany Long
Project Location: Eddy County, NM

Date Received in Lab: Tue 12.29.2020 08:54**Report Date:** 01.12.2021 15:37**Project Manager:** Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	682752-195		682752-196		682752-197		682752-198		682752-199		682752-200	
	<i>Field Id:</i>	H-1 (0-1')		H-2(0-1')		H-3 (0-1')		H-4 (0-1')		H-5 (0-1')		H-6 (0-1')	
	<i>Depth:</i>	1-1 ft		1-1 ft		1-1 ft		1-1 ft		1-1 ft		1-1 ft	
	<i>Matrix:</i>	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	<i>Sampled:</i>	12.16.2020 00:00		12.16.2020 00:00		12.16.2020 00:00		12.16.2020 00:00		12.16.2020 00:00		12.16.2020 00:00	
TPH By SW8015 Mod	<i>Extracted:</i>	12.31.2020 11:00		12.31.2020 11:00		12.31.2020 11:00		12.29.2020 11:00		12.29.2020 11:00		12.29.2020 11:00	
	<i>Analyzed:</i>	01.04.2021 20:22		01.04.2021 20:40		12.31.2020 22:33		12.30.2020 22:55		12.30.2020 23:17		12.30.2020 23:39	
	<i>Units/RL:</i>	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.9	49.9
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.9	49.9
Total TPH		<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.9	49.9

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Certificate of Analysis Summary 682752



Tetra Tech- Midland, Midland, TX

Project Name: Falcon Remediation

Project Id: 212C-MD-02376
Contact: Brittany Long
Project Location: Eddy County, NM

Date Received in Lab: Tue 12.29.2020 08:54**Report Date:** 01.12.2021 15:37**Project Manager:** Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	682752-201		682752-202		682752-203		682752-204		682752-205		682752-206	
	<i>Field Id:</i>	H-7 (0-1')		H-8 (0-1')		H-9 (0-1')		H-10 (0-1')		H-11 (0-1')		H-12 (0-1')	
	<i>Depth:</i>	1-1 ft		1-1 ft		1-1 ft		1-1 ft		1-1 ft		1-1 ft	
	<i>Matrix:</i>	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	<i>Sampled:</i>	12.16.2020 00:00		12.16.2020 00:00		12.16.2020 00:00		12.16.2020 00:00		12.16.2020 00:00		12.16.2020 00:00	
TPH By SW8015 Mod	<i>Extracted:</i>	12.29.2020 11:00		12.29.2020 11:00		12.29.2020 11:00		12.29.2020 11:00		12.29.2020 11:00		12.29.2020 11:00	
	<i>Analyzed:</i>	12.31.2020 00:00		12.29.2020 16:40		12.29.2020 17:00		12.29.2020 17:20		12.29.2020 17:40		12.29.2020 17:59	
	<i>Units/RL:</i>	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9	50.0	50.0
Diesel Range Organics (DRO)		<49.8	49.8	<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9	<50.0	50.0
Total TPH		<49.8	49.8	<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9	50.0	50.0

BRL - Below Reporting Limit

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

Certificate of Analysis Summary 682752



Tetra Tech- Midland, Midland, TX

Project Name: Falcon Remediation

Project Id: 212C-MD-02376
Contact: Brittany Long
Project Location: Eddy County, NM

Date Received in Lab: Tue 12.29.2020 08:54**Report Date:** 01.12.2021 15:37**Project Manager:** Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	682752-207		682752-208		682752-209		682752-210		682752-211		682752-212	
	<i>Field Id:</i>	H-13 (0-1')		H-14 (0-1')		H-15 (0-1')		H-16(0-1')		H-17 (0-1')		H-18 (0-1')	
	<i>Depth:</i>	1-1 ft		1-1 ft		1-1 ft		1-1 ft		1-1 ft		1-1 ft	
	<i>Matrix:</i>	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	<i>Sampled:</i>	12.16.2020 00:00		12.16.2020 00:00		12.16.2020 00:00		12.16.2020 00:00		12.16.2020 00:00		12.16.2020 00:00	
TPH By SW8015 Mod	<i>Extracted:</i>	12.29.2020 11:00		12.29.2020 11:00		12.29.2020 11:00		12.29.2020 11:00		12.29.2020 11:00		12.29.2020 11:00	
	<i>Analyzed:</i>	12.29.2020 18:38		12.29.2020 18:57		12.29.2020 19:16		12.29.2020 19:36		12.29.2020 19:55		12.29.2020 20:15	
	<i>Units/RL:</i>	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	61.0	49.9	<50.0	50.0	60.9	50.0	<49.9	49.9	<49.9	49.9
Diesel Range Organics (DRO)		<49.8	49.8	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9
Total TPH		<49.8	49.8	61.0	49.9	<50.0	50.0	60.9	50.0	<49.9	49.9	<49.9	49.9

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Certificate of Analysis Summary 682752

Tetra Tech- Midland, Midland, TX

Project Name: Falcon Remediation

Project Id: 212C-MD-02376
 Contact: Brittany Long
 Project Location: Eddy County, NM

Date Received in Lab: Tue 12.29.2020 08:54
 Report Date: 01.12.2021 15:37
 Project Manager: Jessica Kramer

Analysis Requested	Lab Id:	682752-213	682752-214	682752-215	682752-216		
	Field Id:	H-19 (0-1')	H-20 (0-1')	H-21(0-1')	H-22(0-1')		
	Depth:	1-1 ft	1-1 ft	1-1 ft	1-1 ft		
	Matrix:	SOIL	SOIL	SOIL	SOIL		
	Sampled:	12.16.2020 00:00	12.16.2020 00:00	12.16.2020 00:00	12.16.2020 00:00		
TPH By SW8015 Mod	Extracted:	12.29.2020 11:00	12.29.2020 11:00	12.29.2020 11:00	12.29.2020 11:00		
	Analyzed:	12.29.2020 20:34	12.29.2020 20:54	12.29.2020 21:14	12.29.2020 21:33		
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Gasoline Range Hydrocarbons (GRO)		<49.9 49.9	68.6 49.9	<50.0 50.0	58.9 50.0		
Diesel Range Organics (DRO)		<49.9 49.9	<49.9 49.9	<50.0 50.0	<50.0 50.0		
Motor Oil Range Hydrocarbons (MRO)		<49.9 49.9	<49.9 49.9	<50.0 50.0	<50.0 50.0		
Total TPH		<49.9 49.9	68.6 49.9	<50.0 50.0	58.9 50.0		

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Analytical Report 682752

for

Tetra Tech- Midland

Project Manager: Brittany Long

Falcon Remediation

212C-MD-02376

01.12.2021

Collected By: Client



**1211 W. Florida Ave
Midland TX 79701**

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

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

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



01.12.2021

Project Manager: **Brittany Long**

Tetra Tech- Midland

901 West Wall ST

Midland, TX 79701

Reference: Eurofins Xenco, LLC Report No(s): **682752**

Falcon Remediation

Project Address: Eddy County, NM

Brittany Long:

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) 682752. 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. 682752 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,

A handwritten signature in black ink that reads "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



Sample Cross Reference 682752

Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Trench-1 (0-1')	S	12.15.2020 00:00	0 - 1 ft	682752-001
Trench-1 (1')	S	12.15.2020 00:00	1 ft	682752-002
Trench-1 (2')	S	12.15.2020 00:00	2 ft	682752-003
Trench-1 (3')	S	12.15.2020 00:00	3 ft	682752-004
Trench-1 (4')	S	12.15.2020 00:00	4 ft	682752-005
Trench-2 (0-1')	S	12.15.2020 00:00	0 - 1 ft	682752-006
Trench-3 (0-1')	S	12.21.2020 00:00	0 - 1 ft	682752-011
Trench-3 (1')	S	12.21.2020 00:00	1 ft	682752-012
Trench-3 (2')	S	12.21.2020 00:00	2 ft	682752-013
Trench-3 (3')	S	12.21.2020 00:00	3 ft	682752-014
Trench-3 (4')	S	12.21.2020 00:00	4 ft	682752-015
Trench-4 (0-1')	S	12.21.2020 00:00	0 - 1 ft	682752-016
Trench-4 (1')	S	12.21.2020 00:00	1 ft	682752-017
Trench-4 (2')	S	12.21.2020 00:00	2 ft	682752-018
Trench-4 (3')	S	12.21.2020 00:00	3 ft	682752-019
Trench-4 (4')	S	12.21.2020 00:00	4 ft	682752-020
Trench-5 (0-1')	S	12.21.2020 00:00	0 - 1 ft	682752-021
Trench-5 (1')	S	12.21.2020 00:00	1 ft	682752-022
Trench-5 (2')	S	12.21.2020 00:00	2 ft	682752-023
Trench-5 (3')	S	12.21.2020 00:00	3 ft	682752-024
Trench-5 (4')	S	12.21.2020 00:00	4 ft	682752-025
Trench-6 (0-1')	S	12.21.2020 00:00	0 - 1 ft	682752-026
Trench-6 (1')	S	12.21.2020 00:00	1 ft	682752-027
Trench-6 (2')	S	12.21.2020 00:00	2 ft	682752-028
Trench-6 (3')	S	12.21.2020 00:00	3 ft	682752-029
Trench-6 (4')	S	12.21.2020 00:00	4 ft	682752-030
Trench-7 (3')	S	12.21.2020 00:00	3 ft	682752-034
Trench-7 (4')	S	12.21.2020 00:00	4 ft	682752-035
Trench-7 (5')	S	12.21.2020 00:00	5 ft	682752-036
Trench-8 (3')	S	12.21.2020 00:00	3 ft	682752-040
Trench-8 (4')	S	12.21.2020 00:00	1 - 1 ft	682752-041
Trench-8 (5')	S	12.21.2020 00:00	1 - 1 ft	682752-042
Trench-9 (3')	S	12.21.2020 00:00	1 - 1 ft	682752-046
Trench-9 (4')	S	12.21.2020 00:00	1 - 1 ft	682752-047
Trench-9 (5')	S	12.21.2020 00:00	1 - 1 ft	682752-048
Trench-10 (1')	S	12.21.2020 00:00	1 - 1 ft	682752-050
Trench-10 (2')	S	12.21.2020 00:00	1 - 1 ft	682752-051
Trench-10 (3')	S	12.21.2020 00:00	1 - 1 ft	682752-052
Trench-11 (2')	S	12.21.2020 00:00	1 - 1 ft	682752-056
Trench-11 (3')	S	12.21.2020 00:00	1 - 1 ft	682752-057
Trench-11 (4')	S	12.21.2020 00:00	1 - 1 ft	682752-058
Trench-12 (4')	S	12.21.2020 00:00	1 - 1 ft	682752-063
Trench-12 (5')	S	12.21.2020 00:00	1 - 1 ft	682752-064

Sample Cross Reference 682752

Tetra Tech- Midland, Midland, TX

Falcon Remediation

Trench-12 (6')	S	12.21.2020 00:00	1 - 1 ft	682752-065
Trench-13 (4')	S	12.21.2020 00:00	1 - 1 ft	682752-070
Trench-13 (5')	S	12.21.2020 00:00	1 - 1 ft	682752-071
Trench-13 (6')	S	12.21.2020 00:00	1 - 1 ft	682752-072
Trench-13 (7')	S	12.21.2020 00:00	1 - 1 ft	682752-073
Trench-13 (8')	S	12.21.2020 00:00	1 - 1 ft	682752-074
Trench-14 (0-1')	S	12.21.2020 00:00	1 - 1 ft	682752-075
Trench-14 (1')	S	12.21.2020 00:00	1 - 1 ft	682752-076
Trench-14 (2')	S	12.21.2020 00:00	1 - 1 ft	682752-077
Trench-14 (3')	S	12.21.2020 00:00	1 - 1 ft	682752-078
Trench-14 (4')	S	12.21.2020 00:00	1 - 1 ft	682752-079
Trench-14 (5')	S	12.21.2020 00:00	1 - 1 ft	682752-080
Trench-15 (3')	S	12.21.2020 00:00	1 - 1 ft	682752-084
Trench-15 (4')	S	12.21.2020 00:00	1 - 1 ft	682752-085
Trench-15 (5')	S	12.21.2020 00:00	1 - 1 ft	682752-086
Trench-16 (0-1')	S	12.21.2020 00:00	1 - 1 ft	682752-087
Trench-16 (1')	S	12.21.2020 00:00	1 - 1 ft	682752-088
Trench-16 (2')	S	12.21.2020 00:00	1 - 1 ft	682752-089
Trench-17 (0-1')	S	12.21.2020 00:00	1 - 1 ft	682752-092
Trench-17 (1')	S	12.21.2020 00:00	1 - 1 ft	682752-093
Trench-17 (2')	S	12.21.2020 00:00	1 - 1 ft	682752-094
Trench-17 (3')	S	12.21.2020 00:00	1 - 1 ft	682752-095
Trench-17 (4')	S	12.21.2020 00:00	1 - 1 ft	682752-096
Trench-17 (5')	S	12.21.2020 00:00	1 - 1 ft	682752-097
Trench-17 (6')	S	12.21.2020 00:00	1 - 1 ft	682752-098
Trench-17 (7')	S	12.21.2020 00:00	1 - 1 ft	682752-099
Trench-18 (0-1')	S	12.21.2020 00:00	1 - 1 ft	682752-100
Trench-18 (1')	S	12.21.2020 00:00	1 - 1 ft	682752-101
Trench-18 (2')	S	12.21.2020 00:00	1 - 1 ft	682752-102
Trench-19 (4')	S	12.22.2020 00:00	1 - 1 ft	682752-109
Trench-19 (5')	S	12.22.2020 00:00	1 - 1 ft	682752-110
Trench-19 (6')	S	12.22.2020 00:00	1 - 1 ft	682752-111
Trench-20 (4')	S	12.22.2020 00:00	1 - 1 ft	682752-116
Trench-20 (5')	S	12.22.2020 00:00	1 - 1 ft	682752-117
Trench-20 (6')	S	12.22.2020 00:00	1 - 1 ft	682752-118
Trench-21 (4')	S	12.22.2020 00:00	1 - 1 ft	682752-123
Trench-21 (5')	S	12.22.2020 00:00	1 - 1 ft	682752-124
Trench-21 (6')	S	12.22.2020 00:00	1 - 1 ft	682752-125
Trench-22 (4')	S	12.22.2020 00:00	1 - 1 ft	682752-130
Trench-22 (5')	S	12.22.2020 00:00	1 - 1 ft	682752-131
Trench-22 (6')	S	12.22.2020 00:00	1 - 1 ft	682752-132
Trench-22 (7')	S	12.22.2020 00:00	1 - 1 ft	682752-133
Trench-23 (4')	S	12.22.2020 00:00	1 - 1 ft	682752-138
Trench-23 (5')	S	12.22.2020 00:00	1 - 1 ft	682752-139



Sample Cross Reference 682752

Tetra Tech- Midland, Midland, TX

Falcon Remediation

Trench-23 (6')	S	12.22.2020 00:00	1 - 1 ft	682752-140
Trench-24 (4')	S	12.15.2020 00:00	1 - 1 ft	682752-145
Trench-24 (5')	S	12.15.2020 00:00	1 - 1 ft	682752-146
Trench-24 (6')	S	12.15.2020 00:00	1 - 1 ft	682752-147
Trench-25 (0-1')	S	12.15.2020 00:00	1 - 1 ft	682752-148
Trench-26 (0-1')	S	12.15.2020 00:00	1 - 1 ft	682752-153
Trench-27 (0-1')	S	12.21.2020 00:00	1 - 1 ft	682752-158
Trench-28 (0-1')	S	12.15.2020 00:00	1 - 1 ft	682752-163
Trench-29 (0-1')	S	12.21.2020 00:00	1 - 1 ft	682752-168
Trench-29 (1')	S	12.21.2020 00:00	1 - 1 ft	682752-169
Trench-29 (2')	S	12.21.2020 00:00	1 - 1 ft	682752-170
Trench-29 (3')	S	12.21.2020 00:00	1 - 1 ft	682752-171
Trench-29 (4')	S	12.21.2020 00:00	1 - 1 ft	682752-172
Trench-29 (5')	S	12.21.2020 00:00	1 - 1 ft	682752-173
Trench-29 (6')	S	12.21.2020 00:00	1 - 1 ft	682752-174
Trench-29 (7')	S	12.21.2020 00:00	1 - 1 ft	682752-175
Trench-29 (8')	S	12.21.2020 00:00	1 - 1 ft	682752-176
Trench-29 (9')	S	12.21.2020 00:00	1 - 1 ft	682752-177
Trench-29 (10')	S	12.21.2020 00:00	1 - 1 ft	682752-178
Trench-30 (0-1')	S	12.21.2020 00:00	1 - 1 ft	682752-179
Trench-30 (1')	S	12.21.2020 00:00	1 - 1 ft	682752-180
Trench-30 (2')	S	12.21.2020 00:00	1 - 1 ft	682752-181
Trench-30 (3')	S	12.21.2020 00:00	1 - 1 ft	682752-182
Trench-30 (4')	S	12.21.2020 00:00	1 - 1 ft	682752-183
Trench-30 (5')	S	12.15.2020 00:00	1 - 1 ft	682752-184
Trench-31 (0-1')	S	12.15.2020 00:00	1 - 1 ft	682752-185
Trench-32 (0-1')	S	12.21.2020 00:00	1 - 1 ft	682752-190
H-1 (0-1')	S	12.16.2020 00:00	1 - 1 ft	682752-195
H-2(0-1')	S	12.16.2020 00:00	1 - 1 ft	682752-196
H-3 (0-1')	S	12.16.2020 00:00	1 - 1 ft	682752-197
H-4 (0-1')	S	12.16.2020 00:00	1 - 1 ft	682752-198
H-5 (0-1')	S	12.16.2020 00:00	1 - 1 ft	682752-199
H-6 (0-1')	S	12.16.2020 00:00	1 - 1 ft	682752-200
H-7 (0-1')	S	12.16.2020 00:00	1 - 1 ft	682752-201
H-8 (0-1')	S	12.16.2020 00:00	1 - 1 ft	682752-202
H-9 (0-1')	S	12.16.2020 00:00	1 - 1 ft	682752-203
H-10 (0-1')	S	12.16.2020 00:00	1 - 1 ft	682752-204
H-11 (0-1')	S	12.16.2020 00:00	1 - 1 ft	682752-205
H-12 (0-1')	S	12.16.2020 00:00	1 - 1 ft	682752-206
H-13 (0-1')	S	12.16.2020 00:00	1 - 1 ft	682752-207
H-14 (0-1')	S	12.16.2020 00:00	1 - 1 ft	682752-208
H-15 (0-1')	S	12.16.2020 00:00	1 - 1 ft	682752-209
H-16(0-1')	S	12.16.2020 00:00	1 - 1 ft	682752-210
H-17 (0-1')	S	12.16.2020 00:00	1 - 1 ft	682752-211



Sample Cross Reference 682752

Tetra Tech- Midland, Midland, TX

Falcon Remediation

H-18 (0-1')	S	12.16.2020 00:00	1 - 1 ft	682752-212
H-19 (0-1')	S	12.16.2020 00:00	1 - 1 ft	682752-213
H-20 (0-1')	S	12.16.2020 00:00	1 - 1 ft	682752-214
H-21(0-1')	S	12.16.2020 00:00	1 - 1 ft	682752-215
H-22(0-1')	S	12.16.2020 00:00	1 - 1 ft	682752-216
Trench-2 (1')	S	12.15.2020 00:00	1 ft	Not Analyzed
Trench-2 (2')	S	12.15.2020 00:00	2 ft	Not Analyzed
Trench-2 (3')	S	12.15.2020 00:00	3 ft	Not Analyzed
Trench-2 (4')	S	12.15.2020 00:00	4 ft	Not Analyzed
Trench-7 (0-1')	S	12.21.2020 00:00	0 - 1 ft	Not Analyzed
Trench-7 (1')	S	12.21.2020 00:00	1 ft	Not Analyzed
Trench-7 (2')	S	12.21.2020 00:00	2 ft	Not Analyzed
Trench-8 (0-1')	S	12.21.2020 00:00	0 - 1 ft	Not Analyzed
Trench-8 (1')	S	12.21.2020 00:00	1 ft	Not Analyzed
Trench-8 (2')	S	12.21.2020 00:00	2 ft	Not Analyzed
Trench-9 (0-1)	S	12.21.2020 00:00	1 - 1 ft	Not Analyzed
Trench-9 (1')	S	12.21.2020 00:00	1 - 1 ft	Not Analyzed
Trench-9 (2')	S	12.21.2020 00:00	1 - 1 ft	Not Analyzed
Trench-10 (0-1')	S	12.21.2020 00:00	1 - 1 ft	Not Analyzed
Trench-10 (4')	S	12.21.2020 00:00	1 - 1 ft	Not Analyzed
Trench-11 (0-1')	S	12.21.2020 00:00	1 - 1 ft	Not Analyzed
Trench-11 (1')	S	12.21.2020 00:00	1 - 1 ft	Not Analyzed
Trench-12 (0-1')	S	12.21.2020 00:00	1 - 1 ft	Not Analyzed
Trench-12 (1')	S	12.21.2020 00:00	1 - 1 ft	Not Analyzed
Trench-12 (2')	S	12.21.2020 00:00	1 - 1 ft	Not Analyzed
Trench-12 (3')	S	12.21.2020 00:00	1 - 1 ft	Not Analyzed
Trench-13 (0-1')	S	12.21.2020 00:00	1 - 1 ft	Not Analyzed
Trench-13 (1')	S	12.21.2020 00:00	1 - 1 ft	Not Analyzed
Trench-13 (2')	S	12.21.2020 00:00	1 - 1 ft	Not Analyzed
Trench-13 (3')	S	12.21.2020 00:00	1 - 1 ft	Not Analyzed
Trench-15 (0-1')	S	12.21.2020 00:00	1 - 1 ft	Not Analyzed
Trench-15 (1')	S	12.21.2020 00:00	1 - 1 ft	Not Analyzed
Trench-15 (2')	S	12.21.2020 00:00	1 - 1 ft	Not Analyzed
Trench-16 (3')	S	12.21.2020 00:00	1 - 1 ft	Not Analyzed
Trench-16 (4')	S	12.21.2020 00:00	1 - 1 ft	Not Analyzed
Trench-18 (3')	S	12.21.2020 00:00	1 - 1 ft	Not Analyzed
Trench-18 (4')	S	12.21.2020 00:00	1 - 1 ft	Not Analyzed
Trench-19 (0-1')	S	12.22.2020 00:00	1 - 1 ft	Not Analyzed
Trench-19 (1')	S	12.22.2020 00:00	1 - 1 ft	Not Analyzed
Trench-19 (2')	S	12.22.2020 00:00	1 - 1 ft	Not Analyzed
Trench-19 (3')	S	12.22.2020 00:00	1 - 1 ft	Not Analyzed
Trench-20 (0-1')	S	12.22.2020 00:00	1 - 1 ft	Not Analyzed
Trench-20 (1')	S	12.22.2020 00:00	1 - 1 ft	Not Analyzed
Trench-20 (2')	S	12.22.2020 00:00	1 - 1 ft	Not Analyzed

Sample Cross Reference 682752

Tetra Tech- Midland, Midland, TX

Falcon Remediation

Trench-20 (3')	S	12.22.2020 00:00	1 - 1 ft	Not Analyzed
Trench-21 (0-')	S	12.22.2020 00:00	1 - 1 ft	Not Analyzed
Trench-21 (1')	S	12.22.2020 00:00	1 - 1 ft	Not Analyzed
Trench-21 (2')	S	12.22.2020 00:00	1 - 1 ft	Not Analyzed
Trench-21 (3')	S	12.22.2020 00:00	1 - 1 ft	Not Analyzed
Trench-22 (0-1')	S	12.22.2020 00:00	1 - 1 ft	Not Analyzed
Trench-22 (1')	S	12.22.2020 00:00	1 - 1 ft	Not Analyzed
Trench-22 (2')	S	12.22.2020 00:00	1 - 1 ft	Not Analyzed
Trench-22 (3')	S	12.22.2020 00:00	1 - 1 ft	Not Analyzed
Trench-23 (0-1')	S	12.22.2020 00:00	1 - 1 ft	Not Analyzed
Trench-23 (1')	S	12.22.2020 00:00	1 - 1 ft	Not Analyzed
Trench-23 (2')	S	12.22.2020 00:00	1 - 1 ft	Not Analyzed
Trench-23 (3')	S	12.22.2020 00:00	1 - 1 ft	Not Analyzed
Trench-24 (0-1')	S	12.15.2020 00:00	1 - 1 ft	Not Analyzed
Trench-24 (1')	S	12.15.2020 00:00	1 - 1 ft	Not Analyzed
Trench-24 (2')	S	12.15.2020 00:00	1 - 1 ft	Not Analyzed
Trench-24 (3')	S	12.15.2020 00:00	1 - 1 ft	Not Analyzed
Trench-25 (1')	S	12.15.2020 00:00	1 - 1 ft	Not Analyzed
Trench-25 (2')	S	12.15.2020 00:00	1 - 1 ft	Not Analyzed
Trench-25 (3')	S	12.15.2020 00:00	1 - 1 ft	Not Analyzed
Trench-25 (4')	S	12.15.2020 00:00	1 - 1 ft	Not Analyzed
Trench-26 (1')	S	12.15.2020 00:00	1 - 1 ft	Not Analyzed
Trench-26 (2')	S	12.15.2020 00:00	1 - 1 ft	Not Analyzed
Trench-26 (3')	S	12.15.2020 00:00	1 - 1 ft	Not Analyzed
Trench-26 (4')	S	12.15.2020 00:00	1 - 1 ft	Not Analyzed
Trench-27 (1')	S	12.21.2020 00:00	1 - 1 ft	Not Analyzed
Trench-27 (2')	S	12.21.2020 00:00	1 - 1 ft	Not Analyzed
Trench-27 (3')	S	12.21.2020 00:00	1 - 1 ft	Not Analyzed
Trench-27 (4')	S	12.21.2020 00:00	1 - 1 ft	Not Analyzed
Trench-28 (1')	S	12.15.2020 00:00	1 - 1 ft	Not Analyzed
Trench-28 (2')	S	12.15.2020 00:00	1 - 1 ft	Not Analyzed
Trench-28 (3')	S	12.15.2020 00:00	1 - 1 ft	Not Analyzed
Trench-28 (4')	S	12.15.2020 00:00	1 - 1 ft	Not Analyzed
Trench-31 (1')	S	12.15.2020 00:00	1 - 1 ft	Not Analyzed
Trench-31 (2')	S	12.15.2020 00:00	1 - 1 ft	Not Analyzed
Trench-31 (3')	S	12.15.2020 00:00	1 - 1 ft	Not Analyzed
Trench-31 (4')	S	12.15.2020 00:00	1 - 1 ft	Not Analyzed
Trench-32 (1')	S	12.21.2020 00:00	1 - 1 ft	Not Analyzed
Trench-32 (2')	S	12.22.2020 00:00	1 - 1 ft	Not Analyzed
Trench-32 (3')	S	12.23.2020 00:00	1 - 1 ft	Not Analyzed
Trench-32 (4')	S	12.24.2020 00:00	1 - 1 ft	Not Analyzed

**CASE NARRATIVE****Client Name: Tetra Tech- Midland****Project Name: Falcon Remediation**Project ID: 212C-MD-02376
Work Order Number(s): 682752Report Date: 01.12.2021
Date Received: 12.29.2020**Sample receipt non conformances and comments:****Sample receipt non conformances and comments per sample:**

None

Analytical non conformances and comments:

Batch: LBA-3146363 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected;.
Samples affected are: 682752-123,682752-132,682752-131,682752-130.

Batch: LBA-3146436 TPH By SW8015 Mod

Surrogate 1-Chlorooctane recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 682752-070,682752-071,682752-087,682752-085,682752-084,682752-078,682752-077,682752-076,682752-075,682752-072.

Surrogate o-Terphenyl recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 682752-085,682752-084,682752-078,682752-077,682752-087,682752-075,682752-071,682752-070,682752-076.

Lab Sample ID 682752-058 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Gasoline Range Hydrocarbons (GRO) recovered above QC limits in the Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 682752-058, -063, -064, -065, -070, -071, -072, -073, -074, -075, -076, -077, -078, -079, -080, -084, -085, -086, -087, -088. The Laboratory Control Sample for Gasoline Range Hydrocarbons (GRO) is within laboratory Control Limits, therefore the data was accepted.

Gasoline Range Hydrocarbons (GRO) Relative Percent Difference (RPD) between matrix spike and duplicate was above quality control limits.

Samples in the analytical batch are: 682752-058, -063, -064, -065, -070, -071, -072, -073, -074, -075, -076, -077, -078, -079, -080, -084, -085, -086, -087, -088

Batch: LBA-3146468 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected.

Samples affected are: 682752-046 SD,682752-075,682752-076,682752-077,682752-078,682752-117,682752-101,682752-102,682752-109,682752-110,682752-111,682752-116,682752-100.

Surrogate 1,4-Difluorobenzene recovered above QC limits. Matrix interferences is suspected.

Samples affected are: 682752-078.

**CASE NARRATIVE****Client Name: Tetra Tech- Midland****Project Name: Falcon Remediation**

Project ID: 212C-MD-02376
Work Order Number(s): 682752

Report Date: 01.12.2021
Date Received: 12.29.2020

Batch: LBA-3146478 TPH By SW8015 Mod

Surrogate 1-Chlorooctane recovered above QC limits Data confirmed by re-analysis. Samples affected are: 7718200-1-BKS,7718200-1-BLK,7718200-1-BSD,682902-001 S,682902-001 SD,682752-145,682752-146,682752-153,682752-148,682752-147.

Surrogate o-Terphenyl recovered above QC limits Data confirmed by re-analysis. Samples affected are: 7718200-1-BKS,7718200-1-BSD,682902-001 S,682752-145.

Batch: LBA-3146489 TPH By SW8015 Mod

Surrogate o-Terphenyl recovered below QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 682377-027 SD.

Surrogate 1-Chlorooctane recovered below QC limits Data confirmed by re-analysis. Samples affected are: 7718116-1-BKS,682377-027 SD.

Batch: LBA-3146640 TPH By SW8015 Mod

Surrogate 1-Chlorooctane recovered below QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 682752-001 S,682752-016,682752-019.

Surrogate o-Terphenyl recovered below QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 682752-019.

Lab Sample ID 682752-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Gasoline Range Hydrocarbons (GRO) Relative Percent Difference (RPD) between matrix spike and duplicate was above quality control limits.

Samples in the analytical batch are: 682752-001, -002, -003, -004, -005, -006, -011, -012, -013, -014, -015, -016, -017, -018, -019, -020, -021, -022, -023, -024

Diesel Range Organics (DRO) RPD was outside laboratory control limits.

Samples in the analytical batch are: 682752-001, -002, -003, -004, -005, -006, -011, -012, -013, -014, -015, -016, -017, -018, -019, -020, -021, -022, -023, -024

Outlier/s are due to possible matrix interference.

**CASE NARRATIVE****Client Name: Tetra Tech- Midland****Project Name: Falcon Remediation**

Project ID: 212C-MD-02376
Work Order Number(s): 682752

Report Date: 01.12.2021
Date Received: 12.29.2020

Batch: LBA-3146642 TPH By SW8015 Mod

Lab Sample ID 682752-025 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Gasoline Range Hydrocarbons (GRO) recovered above QC limits in the Matrix Spike. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 682752-025, -026, -027, -028, -029, -030, -034, -035, -036, -040, -041, -042, -046, -047, -048, -050, -051, -052, -057.

The Laboratory Control Sample for Gasoline Range Hydrocarbons (GRO) is within laboratory Control Limits, therefore the data was accepted.

Gasoline Range Hydrocarbons (GRO) Relative Percent Difference (RPD) between matrix spike and duplicate was above quality control limits.

Samples in the analytical batch are: 682752-025, -026, -027, -028, -029, -030, -034, -035, -036, -040, -041, -042, -046, -047, -048, -050, -051, -052, -057

Surrogate 1-Chlorooctane recovered below QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 682752-025, 682752-050.

Surrogate o-Terphenyl recovered below QC limits Data confirmed by re-analysis. Samples affected are: 7718124-1-BSD, 682752-040, 682752-041.

Surrogate 1-Chlorooctane recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 682752-040.

Surrogate o-Terphenyl recovered above QC limits Data confirmed by re-analysis. Samples affected are: 7718124-1-BKS.

**CASE NARRATIVE****Client Name: Tetra Tech- Midland****Project Name: Falcon Remediation**Project ID: 212C-MD-02376
Work Order Number(s): 682752Report Date: 01.12.2021
Date Received: 12.29.2020

Batch: LBA-3146648 TPH By SW8015 Mod

Surrogate o-Terphenyl recovered below QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 682752-094,682752-117.

Surrogate 1-Chlorooctane recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 682752-089 S,682752-089 SD,682752-102,682752-101,682752-100,682752-089,682752-093,682752-109,682752-116,682752-094,682752-117.

Surrogate o-Terphenyl recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 682752-089 S,682752-116,682752-110,682752-109,682752-102,682752-101,682752-100,682752-095,682752-092,682752-089.

Lab Sample ID 682752-089 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Diesel Range Organics (DRO) recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 682752-089, -092, -093, -094, -095, -096, -097, -099, -100, -101, -102, -109, -110, -111, -116, -117, -118.

The Laboratory Control Sample for Diesel Range Organics (DRO) is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3146700 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected.

Samples affected are: 682752-133.

Batch: LBA-3146734 TPH By SW8015 Mod

Surrogate 1-Chlorooctane recovered above QC limits Data confirmed by re-analysis. Samples affected are: 7718333-1-BKS.



Certificate of Analytical Results 682752

Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-1 (0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-001

Date Collected: 12.15.2020 00:00

Sample Depth: 0 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 14:00

% Moisture:

Seq Number: 3146640

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	53.9	50.0	mg/kg	12.29.2020 23:12	F	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.29.2020 23:12	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.29.2020 23:12	U	1
Total TPH	PHC635	53.9	50.0	mg/kg	12.29.2020 23:12		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	95	%	70-130	12.29.2020 23:12		
o-Terphenyl	84-15-1	102	%	70-130	12.29.2020 23:12		



Certificate of Analytical Results 682752

Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-1 (1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-002

Date Collected: 12.15.2020 00:00

Sample Depth: 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 14:00

% Moisture:

Seq Number: 3146640

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	58.1	49.9	mg/kg	12.30.2020 00:11		1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.30.2020 00:11	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.30.2020 00:11	U	1
Total TPH	PHC635	58.1	49.9	mg/kg	12.30.2020 00:11		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	72	%	70-130	12.30.2020 00:11		
o-Terphenyl	84-15-1	94	%	70-130	12.30.2020 00:11		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-1 (2')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-003

Date Collected: 12.15.2020 00:00

Sample Depth: 2 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 14:00

% Moisture:

Seq Number: 3146640

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.30.2020 00:30	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.30.2020 00:30	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.30.2020 00:30	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	12.30.2020 00:30	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	86	%	70-130	12.30.2020 00:30		
o-Terphenyl	84-15-1	89	%	70-130	12.30.2020 00:30		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-1 (3')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-004

Date Collected: 12.15.2020 00:00

Sample Depth: 3 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 14:00

% Moisture:

Seq Number: 3146640

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.30.2020 00:50	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.30.2020 00:50	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.30.2020 00:50	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	12.30.2020 00:50	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	87	%	70-130	12.30.2020 00:50		
o-Terphenyl	84-15-1	95	%	70-130	12.30.2020 00:50		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-1 (4')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-005

Date Collected: 12.15.2020 00:00

Sample Depth: 4 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 14:00

% Moisture:

Seq Number: 3146640

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.30.2020 01:09	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.30.2020 01:09	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.30.2020 01:09	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	12.30.2020 01:09	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	83	%	70-130	12.30.2020 01:09		
o-Terphenyl	84-15-1	90	%	70-130	12.30.2020 01:09		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-2 (0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-006

Date Collected: 12.15.2020 00:00

Sample Depth: 0 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 14:00

% Moisture:

Seq Number: 3146640

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	50.7	49.9	mg/kg	12.30.2020 01:28		1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.30.2020 01:28	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.30.2020 01:28	U	1
Total TPH	PHC635	50.7	49.9	mg/kg	12.30.2020 01:28		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	84	%	70-130	12.30.2020 01:28		
o-Terphenyl	84-15-1	91	%	70-130	12.30.2020 01:28		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-3 (0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-011

Date Collected: 12.21.2020 00:00

Sample Depth: 0 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 14:00

% Moisture:

Seq Number: 3146640

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	12.30.2020 01:48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	12.30.2020 01:48	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	12.30.2020 01:48	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	12.30.2020 01:48	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	73	%	70-130	12.30.2020 01:48		
o-Terphenyl	84-15-1	80	%	70-130	12.30.2020 01:48		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-3 (1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-012

Date Collected: 12.21.2020 00:00

Sample Depth: 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 14:00

% Moisture:

Seq Number: 3146640

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.30.2020 02:07	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.30.2020 02:07	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.30.2020 02:07	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	12.30.2020 02:07	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	72	%	70-130	12.30.2020 02:07		
o-Terphenyl	84-15-1	86	%	70-130	12.30.2020 02:07		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-3 (2')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-013

Date Collected: 12.21.2020 00:00

Sample Depth: 2 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 14:00

% Moisture:

Seq Number: 3146640

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	55.9	50.0	mg/kg	12.30.2020 02:27		1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.30.2020 02:27	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.30.2020 02:27	U	1
Total TPH	PHC635	55.9	50.0	mg/kg	12.30.2020 02:27		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	88	%	70-130	12.30.2020 02:27		
o-Terphenyl	84-15-1	84	%	70-130	12.30.2020 02:27		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-3 (3')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-014

Date Collected: 12.21.2020 00:00

Sample Depth: 3 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 14:00

% Moisture:

Seq Number: 3146640

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	59.3	49.9	mg/kg	12.30.2020 02:46		1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.30.2020 02:46	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.30.2020 02:46	U	1
Total TPH	PHC635	59.3	49.9	mg/kg	12.30.2020 02:46		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	80	%	70-130	12.30.2020 02:46		
o-Terphenyl	84-15-1	94	%	70-130	12.30.2020 02:46		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-3 (4')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-015

Date Collected: 12.21.2020 00:00

Sample Depth: 4 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 14:00

% Moisture:

Seq Number: 3146640

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.30.2020 03:26	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.30.2020 03:26	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.30.2020 03:26	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	12.30.2020 03:26	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	93	%	70-130	12.30.2020 03:26		
o-Terphenyl	84-15-1	85	%	70-130	12.30.2020 03:26		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-4 (0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-016

Date Collected: 12.21.2020 00:00

Sample Depth: 0 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 14:00

% Moisture:

Seq Number: 3146640

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.30.2020 03:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.30.2020 03:45	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.30.2020 03:45	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	12.30.2020 03:45	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	62	%	70-130	12.30.2020 03:45	**	
o-Terphenyl	84-15-1	88	%	70-130	12.30.2020 03:45		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-4 (1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-017

Date Collected: 12.21.2020 00:00

Sample Depth: 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 14:00

% Moisture:

Seq Number: 3146640

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.30.2020 04:05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.30.2020 04:05	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.30.2020 04:05	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	12.30.2020 04:05	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	81	%	70-130	12.30.2020 04:05		
o-Terphenyl	84-15-1	83	%	70-130	12.30.2020 04:05		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-4 (2')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-018

Date Collected: 12.21.2020 00:00

Sample Depth: 2 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 14:00

% Moisture:

Seq Number: 3146640

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	50.3	49.8	mg/kg	12.30.2020 04:24		1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	12.30.2020 04:24	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	12.30.2020 04:24	U	1
Total TPH	PHC635	50.3	49.8	mg/kg	12.30.2020 04:24		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	84	%	70-130	12.30.2020 04:24		
o-Terphenyl	84-15-1	90	%	70-130	12.30.2020 04:24		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-4 (3')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-019

Date Collected: 12.21.2020 00:00

Sample Depth: 3 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 14:00

% Moisture:

Seq Number: 3146640

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.30.2020 04:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.30.2020 04:44	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.30.2020 04:44	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	12.30.2020 04:44	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	0	%	70-130	12.30.2020 04:44	**	
o-Terphenyl	84-15-1	0	%	70-130	12.30.2020 04:44	**	



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-4 (4')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-020

Date Collected: 12.21.2020 00:00

Sample Depth: 4 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 14:00

% Moisture:

Seq Number: 3146640

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.30.2020 05:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.30.2020 05:03	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.30.2020 05:03	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	12.30.2020 05:03	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	84	%	70-130	12.30.2020 05:03		
o-Terphenyl	84-15-1	87	%	70-130	12.30.2020 05:03		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-5 (0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-021

Date Collected: 12.21.2020 00:00

Sample Depth: 0 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 14:00

% Moisture:

Seq Number: 3146640

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.30.2020 05:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	227	49.9	mg/kg	12.30.2020 05:22	F	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	52.3	49.9	mg/kg	12.30.2020 05:22		1
Total TPH	PHC635	279	49.9	mg/kg	12.30.2020 05:22		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	94	%	70-130	12.30.2020 05:22		
o-Terphenyl	84-15-1	100	%	70-130	12.30.2020 05:22		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-5 (1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-022

Date Collected: 12.21.2020 00:00

Sample Depth: 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 14:00

% Moisture:

Seq Number: 3146640

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.30.2020 05:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	370	49.9	mg/kg	12.30.2020 05:41	F	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	101	49.9	mg/kg	12.30.2020 05:41		1
Total TPH	PHC635	471	49.9	mg/kg	12.30.2020 05:41		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	97	%	70-130	12.30.2020 05:41		
o-Terphenyl	84-15-1	130	%	70-130	12.30.2020 05:41		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-5 (2')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-023

Date Collected: 12.21.2020 00:00

Sample Depth: 2 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 14:00

% Moisture:

Seq Number: 3146640

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	58.2	50.0	mg/kg	12.30.2020 06:00		1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.30.2020 06:00	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.30.2020 06:00	U	1
Total TPH	PHC635	58.2	50.0	mg/kg	12.30.2020 06:00		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	98	%	70-130	12.30.2020 06:00		
o-Terphenyl	84-15-1	103	%	70-130	12.30.2020 06:00		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-5(3')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-024

Date Collected: 12.21.2020 00:00

Sample Depth: 3 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 14:00

% Moisture:

Seq Number: 3146640

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.30.2020 06:19	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.30.2020 06:19	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.30.2020 06:19	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	12.30.2020 06:19	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	98	%	70-130	12.30.2020 06:19		
o-Terphenyl	84-15-1	105	%	70-130	12.30.2020 06:19		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-5 (4')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-025

Date Collected: 12.21.2020 00:00

Sample Depth: 4 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146642

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.30.2020 07:56	UFX	1
Diesel Range Organics (DRO)	C10C28DRO	50.0	50.0	mg/kg	12.30.2020 07:56		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.30.2020 07:56	U	1
Total TPH	PHC635	50.0	50.0	mg/kg	12.30.2020 07:56		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	54	%	70-130	12.30.2020 07:56	**	
o-Terphenyl	84-15-1	100	%	70-130	12.30.2020 07:56		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-6 (0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-026

Date Collected: 12.21.2020 00:00

Sample Depth: 0 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146642

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.30.2020 08:54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.30.2020 08:54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.30.2020 08:54	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	12.30.2020 08:54	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	92	%	70-130	12.30.2020 08:54		
o-Terphenyl	84-15-1	95	%	70-130	12.30.2020 08:54		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-6 (1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-027

Date Collected: 12.21.2020 00:00

Sample Depth: 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146642

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.30.2020 09:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.30.2020 09:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.30.2020 09:14	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	12.30.2020 09:14	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	91	%	70-130	12.30.2020 09:14		
o-Terphenyl	84-15-1	89	%	70-130	12.30.2020 09:14		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-6 (2')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-028

Date Collected: 12.21.2020 00:00

Sample Depth: 2 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146642

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.30.2020 09:33	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.30.2020 09:33	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.30.2020 09:33	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	12.30.2020 09:33	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	93	%	70-130	12.30.2020 09:33		
o-Terphenyl	84-15-1	98	%	70-130	12.30.2020 09:33		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-6 (3')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-029

Date Collected: 12.21.2020 00:00

Sample Depth: 3 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146642

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.30.2020 09:52	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.30.2020 09:52	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.30.2020 09:52	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	12.30.2020 09:52	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	105	%	70-130	12.30.2020 09:52		
o-Terphenyl	84-15-1	101	%	70-130	12.30.2020 09:52		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-6 (4')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-030

Date Collected: 12.21.2020 00:00

Sample Depth: 4 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146642

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	63.9	50.0	mg/kg	12.30.2020 10:12		1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.30.2020 10:12	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.30.2020 10:12	U	1
Total TPH	PHC635	63.9	50.0	mg/kg	12.30.2020 10:12		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	77	%	70-130	12.30.2020 10:12		
o-Terphenyl	84-15-1	100	%	70-130	12.30.2020 10:12		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-7 (3')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-034

Date Collected: 12.21.2020 00:00

Sample Depth: 3 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146642

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	65.1	50.0	mg/kg	12.30.2020 10:31		1
Diesel Range Organics (DRO)	C10C28DRO	548	50.0	mg/kg	12.30.2020 10:31		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	71.1	50.0	mg/kg	12.30.2020 10:31		1
Total TPH	PHC635	684	50.0	mg/kg	12.30.2020 10:31		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	112	%	70-130	12.30.2020 10:31		
o-Terphenyl	84-15-1	107	%	70-130	12.30.2020 10:31		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-7 (4')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-035

Date Collected: 12.21.2020 00:00

Sample Depth: 4 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146642

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.30.2020 10:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.30.2020 10:51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.30.2020 10:51	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	12.30.2020 10:51	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	98	%	70-130	12.30.2020 10:51		
o-Terphenyl	84-15-1	88	%	70-130	12.30.2020 10:51		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-7 (5')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-036

Date Collected: 12.21.2020 00:00

Sample Depth: 5 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146642

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.30.2020 11:11	U	1
Diesel Range Organics (DRO)	C10C28DRO	53.3	49.9	mg/kg	12.30.2020 11:11		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.30.2020 11:11	U	1
Total TPH	PHC635	53.3	49.9	mg/kg	12.30.2020 11:11		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	91	%	70-130	12.30.2020 11:11		
o-Terphenyl	84-15-1	70	%	70-130	12.30.2020 11:11		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-8 (3')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-040

Date Collected: 12.21.2020 00:00

Sample Depth: 3 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146642

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	274	50.0	mg/kg	12.30.2020 11:30		1
Diesel Range Organics (DRO)	C10C28DRO	3540	50.0	mg/kg	12.30.2020 11:30		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	389	50.0	mg/kg	12.30.2020 11:30		1
Total TPH	PHC635	4200	50.0	mg/kg	12.30.2020 11:30		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	212	%	70-130	12.30.2020 11:30	**	
o-Terphenyl	84-15-1	52	%	70-130	12.30.2020 11:30	**	



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-8 (4')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-041

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146642

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.30.2020 16:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	374	50.0	mg/kg	12.30.2020 16:14		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	50.6	50.0	mg/kg	12.30.2020 16:14		1
Total TPH	PHC635	425	50.0	mg/kg	12.30.2020 16:14		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	95	%	70-130	12.30.2020 16:14		
o-Terphenyl	84-15-1	8	%	70-130	12.30.2020 16:14	**	



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-8 (5')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-042

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146642

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.30.2020 16:33	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.30.2020 16:33	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.30.2020 16:33	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	12.30.2020 16:33	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	75	%	70-130	12.30.2020 16:33		
o-Terphenyl	84-15-1	81	%	70-130	12.30.2020 16:33		



Certificate of Analytical Results 682752

Tetra Tech- Midland, Midland, TX Falcon Remediation

Sample Id: **Trench-9 (3')** Matrix: Soil Date Received: 12.29.2020 08:54
 Lab Sample Id: 682752-046 Date Collected: 12.21.2020 00:00 Sample Depth: 1 - 1 ft
 Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: DVM Date Prep: 12.29.2020 16:00 % Moisture:
 Seq Number: 3146642 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	90.5	50.0	mg/kg	12.30.2020 17:31		1
Diesel Range Organics (DRO)	C10C28DRO	571	50.0	mg/kg	12.30.2020 17:31		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	90.3	50.0	mg/kg	12.30.2020 17:31		1
Total TPH	PHC635	752	50.0	mg/kg	12.30.2020 17:31		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-130	12.30.2020 17:31	
o-Terphenyl	84-15-1	108	%	70-130	12.30.2020 17:31	

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: KTL
 Analyst: KTL Date Prep: 12.30.2020 10:00 % Moisture:
 Seq Number: 3146468 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.30.2020 12:55	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.30.2020 12:55	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.30.2020 12:55	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	12.30.2020 12:55	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.30.2020 12:55	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	12.30.2020 12:55	U	1
Total BTEX		<0.00200	0.00200	mg/kg	12.30.2020 12:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	126	%	70-130	12.30.2020 12:55	
1,4-Difluorobenzene	540-36-3	84	%	70-130	12.30.2020 12:55	



Certificate of Analytical Results 682752

Tetra Tech- Midland, Midland, TX Falcon Remediation

Sample Id: **Trench-9 (4')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-047

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 16:00

% Moisture:
Basis: Wet Weight

Seq Number: 3146642

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.30.2020 17:50	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.30.2020 17:50	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.30.2020 17:50	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	12.30.2020 17:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	80	%	70-130	12.30.2020 17:50	
o-Terphenyl	84-15-1	85	%	70-130	12.30.2020 17:50	

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Date Prep: 12.30.2020 10:00

% Moisture:
Basis: Wet Weight

Seq Number: 3146468

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.30.2020 13:21	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.30.2020 13:21	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.30.2020 13:21	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	12.30.2020 13:21	U	1
o-Xylene	95-47-6	0.0272	0.00200	mg/kg	12.30.2020 13:21		1
Total Xylenes	1330-20-7	0.0272	0.00200	mg/kg	12.30.2020 13:21		1
Total BTEX		0.0272	0.00200	mg/kg	12.30.2020 13:21		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	129	%	70-130	12.30.2020 13:21	
1,4-Difluorobenzene	540-36-3	104	%	70-130	12.30.2020 13:21	



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Tetra Tech- Midland, Midland, TX Falcon Remediation

Sample Id: **Trench-9 (5')** Matrix: Soil Date Received: 12.29.2020 08:54
 Lab Sample Id: 682752-048 Date Collected: 12.21.2020 00:00 Sample Depth: 1 - 1 ft
 Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: DVM Date Prep: 12.29.2020 16:00 % Moisture:
 Seq Number: 3146642 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.30.2020 18:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	88.5	50.0	mg/kg	12.30.2020 18:10		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.30.2020 18:10	U	1
Total TPH	PHC635	88.5	50.0	mg/kg	12.30.2020 18:10		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	78	%	70-130	12.30.2020 18:10	
o-Terphenyl	84-15-1	86	%	70-130	12.30.2020 18:10	

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: KTL
 Analyst: KTL Date Prep: 12.30.2020 10:00 % Moisture:
 Seq Number: 3146468 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.30.2020 13:47	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.30.2020 13:47	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.30.2020 13:47	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	12.30.2020 13:47	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.30.2020 13:47	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	12.30.2020 13:47	U	1
Total BTEX		<0.00200	0.00200	mg/kg	12.30.2020 13:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	117	%	70-130	12.30.2020 13:47	
1,4-Difluorobenzene	540-36-3	106	%	70-130	12.30.2020 13:47	



Certificate of Analytical Results 682752

Tetra Tech- Midland, Midland, TX Falcon Remediation

Sample Id: **Trench-10 (1')** Matrix: Soil Date Received: 12.29.2020 08:54
 Lab Sample Id: 682752-050 Date Collected: 12.21.2020 00:00 Sample Depth: 1 - 1 ft
 Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: DVM Date Prep: 12.29.2020 16:00 % Moisture:
 Seq Number: 3146642 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	123	49.9	mg/kg	12.30.2020 18:29		1
Diesel Range Organics (DRO)	C10C28DRO	5120	49.9	mg/kg	12.30.2020 18:29		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	489	49.9	mg/kg	12.30.2020 18:29		1
Total TPH	PHC635	5730	49.9	mg/kg	12.30.2020 18:29		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	46	%	70-130	12.30.2020 18:29	**
o-Terphenyl	84-15-1	109	%	70-130	12.30.2020 18:29	

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: KTL
 Analyst: KTL Date Prep: 12.30.2020 10:00 % Moisture:
 Seq Number: 3146468 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.30.2020 14:13	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.30.2020 14:13	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.30.2020 14:13	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.30.2020 14:13	U	1
o-Xylene	95-47-6	0.00246	0.00199	mg/kg	12.30.2020 14:13		1
Total Xylenes	1330-20-7	0.00246	0.00199	mg/kg	12.30.2020 14:13		1
Total BTEX		0.00246	0.00199	mg/kg	12.30.2020 14:13		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	122	%	70-130	12.30.2020 14:13	
1,4-Difluorobenzene	540-36-3	75	%	70-130	12.30.2020 14:13	



Certificate of Analytical Results 682752

Tetra Tech- Midland, Midland, TX Falcon Remediation

Sample Id: **Trench-10 (2')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-051

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 16:00

% Moisture:
Basis: Wet Weight

Seq Number: 3146642

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.30.2020 18:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	66.2	50.0	mg/kg	12.30.2020 18:49		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.30.2020 18:49	U	1
Total TPH	PHC635	66.2	50.0	mg/kg	12.30.2020 18:49		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	77	%	70-130	12.30.2020 18:49	
o-Terphenyl	84-15-1	84	%	70-130	12.30.2020 18:49	

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Date Prep: 12.30.2020 10:00

% Moisture:
Basis: Wet Weight

Seq Number: 3146468

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.30.2020 14:39	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.30.2020 14:39	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.30.2020 14:39	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	12.30.2020 14:39	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.30.2020 14:39	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	12.30.2020 14:39	U	1
Total BTEX		<0.00200	0.00200	mg/kg	12.30.2020 14:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	128	%	70-130	12.30.2020 14:39	
1,4-Difluorobenzene	540-36-3	101	%	70-130	12.30.2020 14:39	



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-10 (3')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-052

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 16:00

% Moisture:
Basis: Wet Weight

Seq Number: 3146642

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.30.2020 19:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.30.2020 19:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.30.2020 19:08	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	12.30.2020 19:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	76	%	70-130	12.30.2020 19:08	
o-Terphenyl	84-15-1	81	%	70-130	12.30.2020 19:08	

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Date Prep: 12.30.2020 10:00

% Moisture:
Basis: Wet Weight

Seq Number: 3146468

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	12.30.2020 15:06	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	12.30.2020 15:06	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	12.30.2020 15:06	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	12.30.2020 15:06	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	12.30.2020 15:06	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	12.30.2020 15:06	U	1
Total BTEX		<0.00198	0.00198	mg/kg	12.30.2020 15:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	12.30.2020 15:06	
4-Bromofluorobenzene	460-00-4	119	%	70-130	12.30.2020 15:06	



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-11 (2')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-056

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: MNR

Analyst: ARM

Date Prep: 01.08.2021 16:00

% Moisture:

Seq Number: 3147379

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	72.7	49.9	mg/kg	01.09.2021 08:21	K	1
Diesel Range Organics (DRO)	C10C28DRO	2850	49.9	mg/kg	01.09.2021 08:21	K	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	260	49.9	mg/kg	01.09.2021 08:21	K	1
Total TPH	PHC635	3180	49.9	mg/kg	01.09.2021 08:21	K	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	105	%	70-130	01.09.2021 08:21		
o-Terphenyl	84-15-1	117	%	70-130	01.09.2021 08:21		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-11 (3')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-057

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146642

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.30.2020 19:27	U	1
Diesel Range Organics (DRO)	C10C28DRO	130	49.9	mg/kg	12.30.2020 19:27		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.30.2020 19:27	U	1
Total TPH	PHC635	130	49.9	mg/kg	12.30.2020 19:27		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	89	%	70-130	12.30.2020 19:27		
o-Terphenyl	84-15-1	97	%	70-130	12.30.2020 19:27		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-11 (4')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-058

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146436

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.29.2020 23:56	UXF	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.29.2020 23:56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.29.2020 23:56	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	12.29.2020 23:56	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	102	%	70-130	12.29.2020 23:56		
o-Terphenyl	84-15-1	99	%	70-130	12.29.2020 23:56		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-12 (4')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-063

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146436

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.30.2020 01:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	130	49.9	mg/kg	12.30.2020 01:03		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.30.2020 01:03	U	1
Total TPH	PHC635	130	49.9	mg/kg	12.30.2020 01:03		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	103	%	70-130	12.30.2020 01:03		
o-Terphenyl	84-15-1	102	%	70-130	12.30.2020 01:03		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-12 (5')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-064

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146436

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	12.30.2020 01:25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	12.30.2020 01:25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	12.30.2020 01:25	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	12.30.2020 01:25	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	100	%	70-130	12.30.2020 01:25		
o-Terphenyl	84-15-1	96	%	70-130	12.30.2020 01:25		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-12 (6')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-065

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146436

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.30.2020 01:48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.30.2020 01:48	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.30.2020 01:48	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	12.30.2020 01:48	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	102	%	70-130	12.30.2020 01:48		
o-Terphenyl	84-15-1	98	%	70-130	12.30.2020 01:48		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-13 (4')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-070

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146436

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	1820	49.9	mg/kg	12.30.2020 02:10		1
Diesel Range Organics (DRO)	C10C28DRO	5320	49.9	mg/kg	12.30.2020 02:10		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	367	49.9	mg/kg	12.30.2020 02:10		1
Total TPH	PHC635	7510	49.9	mg/kg	12.30.2020 02:10		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	234	%	70-130	12.30.2020 02:10	**	
o-Terphenyl	84-15-1	212	%	70-130	12.30.2020 02:10	**	



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-13 (5')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-071

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146436

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	973	50.0	mg/kg	12.30.2020 02:33		1
Diesel Range Organics (DRO)	C10C28DRO	3540	50.0	mg/kg	12.30.2020 02:33		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	254	50.0	mg/kg	12.30.2020 02:33		1
Total TPH	PHC635	4770	50.0	mg/kg	12.30.2020 02:33		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	169	%	70-130	12.30.2020 02:33	**	
o-Terphenyl	84-15-1	168	%	70-130	12.30.2020 02:33	**	



Certificate of Analytical Results 682752

Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-13 (6')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-072

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146436

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	288	49.9	mg/kg	12.30.2020 02:55		1
Diesel Range Organics (DRO)	C10C28DRO	2020	49.9	mg/kg	12.30.2020 02:55		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	157	49.9	mg/kg	12.30.2020 02:55		1
Total TPH	PHC635	2470	49.9	mg/kg	12.30.2020 02:55		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	131	%	70-130	12.30.2020 02:55	**	
o-Terphenyl	84-15-1	125	%	70-130	12.30.2020 02:55		



Certificate of Analytical Results 682752

Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-13 (7')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-073

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146436

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.30.2020 03:18	U	1
Diesel Range Organics (DRO)	C10C28DRO	174	49.9	mg/kg	12.30.2020 03:18		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.30.2020 03:18	U	1
Total TPH	PHC635	174	49.9	mg/kg	12.30.2020 03:18		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	99	%	70-130	12.30.2020 03:18		
o-Terphenyl	84-15-1	102	%	70-130	12.30.2020 03:18		



Certificate of Analytical Results 682752

Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-13 (8')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-074

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146436

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.30.2020 03:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.30.2020 03:40	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.30.2020 03:40	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	12.30.2020 03:40	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	100	%	70-130	12.30.2020 03:40		
o-Terphenyl	84-15-1	101	%	70-130	12.30.2020 03:40		



Certificate of Analytical Results 682752

Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-14 (0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-075

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 16:00

% Moisture:
Basis: Wet Weight

Seq Number: 3146436

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	1400	49.9	mg/kg	12.30.2020 04:03		1
Diesel Range Organics (DRO)	C10C28DRO	14300	49.9	mg/kg	12.30.2020 04:03	E	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	1070	49.9	mg/kg	12.30.2020 04:03		1
Total TPH	PHC635	16800	49.9	mg/kg	12.30.2020 04:03		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	253	%	70-130	12.30.2020 04:03	**
o-Terphenyl	84-15-1	371	%	70-130	12.30.2020 04:03	**

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Date Prep: 12.30.2020 10:00

% Moisture:
Basis: Wet Weight

Seq Number: 3146468

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.30.2020 15:32	U	1
Toluene	108-88-3	0.0702	0.00199	mg/kg	12.30.2020 15:32		1
Ethylbenzene	100-41-4	0.0337	0.00199	mg/kg	12.30.2020 15:32		1
m,p-Xylenes	179601-23-1	0.242	0.00398	mg/kg	12.30.2020 15:32		1
o-Xylene	95-47-6	0.139	0.00199	mg/kg	12.30.2020 15:32		1
Total Xylenes	1330-20-7	0.381	0.00199	mg/kg	12.30.2020 15:32		1
Total BTEX		0.485	0.00199	mg/kg	12.30.2020 15:32		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	154	%	70-130	12.30.2020 15:32	**
1,4-Difluorobenzene	540-36-3	79	%	70-130	12.30.2020 15:32	



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-14 (1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-076

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 16:00

% Moisture:
Basis: Wet Weight

Seq Number: 3146436

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	618	50.0	mg/kg	12.30.2020 04:48		1
Diesel Range Organics (DRO)	C10C28DRO	5000	50.0	mg/kg	12.30.2020 04:48		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	342	50.0	mg/kg	12.30.2020 04:48		1
Total TPH	PHC635	5960	50.0	mg/kg	12.30.2020 04:48		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	188	%	70-130	12.30.2020 04:48	**
o-Terphenyl	84-15-1	185	%	70-130	12.30.2020 04:48	**

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Date Prep: 12.30.2020 10:00

% Moisture:
Basis: Wet Weight

Seq Number: 3146468

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	0.00263	0.00198	mg/kg	12.30.2020 15:58		1
Toluene	108-88-3	0.0464	0.00198	mg/kg	12.30.2020 15:58		1
Ethylbenzene	100-41-4	0.0494	0.00198	mg/kg	12.30.2020 15:58		1
m,p-Xylenes	179601-23-1	0.513	0.00397	mg/kg	12.30.2020 15:58		1
o-Xylene	95-47-6	0.344	0.00198	mg/kg	12.30.2020 15:58		1
Total Xylenes	1330-20-7	0.857	0.00198	mg/kg	12.30.2020 15:58		1
Total BTEX		0.955	0.00198	mg/kg	12.30.2020 15:58		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	493	%	70-130	12.30.2020 15:58	**
1,4-Difluorobenzene	540-36-3	94	%	70-130	12.30.2020 15:58	



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Tetra Tech- Midland, Midland, TX Falcon Remediation

Sample Id: **Trench-14 (2')** Matrix: Soil Date Received: 12.29.2020 08:54
 Lab Sample Id: 682752-077 Date Collected: 12.21.2020 00:00 Sample Depth: 1 - 1 ft
 Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: ARM Date Prep: 12.29.2020 16:00 % Moisture:
 Seq Number: 3146436 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	747	49.9	mg/kg	12.30.2020 05:10		1
Diesel Range Organics (DRO)	C10C28DRO	4340	49.9	mg/kg	12.30.2020 05:10		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	313	49.9	mg/kg	12.30.2020 05:10		1
Total TPH	PHC635	5400	49.9	mg/kg	12.30.2020 05:10		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	211	%	70-130	12.30.2020 05:10	**
o-Terphenyl	84-15-1	255	%	70-130	12.30.2020 05:10	**

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: KTL
 Analyst: KTL Date Prep: 12.30.2020 10:00 % Moisture:
 Seq Number: 3146468 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	0.00524	0.00198	mg/kg	12.30.2020 16:24		1
Toluene	108-88-3	0.0579	0.00198	mg/kg	12.30.2020 16:24		1
Ethylbenzene	100-41-4	0.0574	0.00198	mg/kg	12.30.2020 16:24		1
m,p-Xylenes	179601-23-1	0.618	0.00396	mg/kg	12.30.2020 16:24		1
o-Xylene	95-47-6	0.348	0.00198	mg/kg	12.30.2020 16:24		1
Total Xylenes	1330-20-7	0.966	0.00198	mg/kg	12.30.2020 16:24		1
Total BTEX		1.09	0.00198	mg/kg	12.30.2020 16:24		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	623	%	70-130	12.30.2020 16:24	**
1,4-Difluorobenzene	540-36-3	105	%	70-130	12.30.2020 16:24	



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Tetra Tech- Midland, Midland, TX Falcon Remediation

Sample Id: **Trench-14 (3')** Matrix: Soil Date Received: 12.29.2020 08:54
 Lab Sample Id: 682752-078 Date Collected: 12.21.2020 00:00 Sample Depth: 1 - 1 ft
 Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: ARM Date Prep: 12.29.2020 16:00 % Moisture:
 Seq Number: 3146436 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	292	49.9	mg/kg	12.30.2020 05:32		1
Diesel Range Organics (DRO)	C10C28DRO	2530	49.9	mg/kg	12.30.2020 05:32		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	205	49.9	mg/kg	12.30.2020 05:32		1
Total TPH	PHC635	3030	49.9	mg/kg	12.30.2020 05:32		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	142	%	70-130	12.30.2020 05:32	**
o-Terphenyl	84-15-1	174	%	70-130	12.30.2020 05:32	**

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: KTL
 Analyst: KTL Date Prep: 12.30.2020 10:00 % Moisture:
 Seq Number: 3146468 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	12.30.2020 16:51	U	1
Toluene	108-88-3	0.0246	0.00201	mg/kg	12.30.2020 16:51		1
Ethylbenzene	100-41-4	0.0408	0.00201	mg/kg	12.30.2020 16:51		1
m,p-Xylenes	179601-23-1	0.284	0.00402	mg/kg	12.30.2020 16:51		1
o-Xylene	95-47-6	0.259	0.00201	mg/kg	12.30.2020 16:51		1
Total Xylenes	1330-20-7	0.543	0.00201	mg/kg	12.30.2020 16:51		1
Total BTEX		0.608	0.00201	mg/kg	12.30.2020 16:51		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	162	%	70-130	12.30.2020 16:51	**
4-Bromofluorobenzene	460-00-4	306	%	70-130	12.30.2020 16:51	**



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Tetra Tech- Midland, Midland, TX Falcon Remediation

Sample Id: **Trench-14 (4')** Matrix: Soil Date Received: 12.29.2020 08:54
 Lab Sample Id: 682752-079 Date Collected: 12.21.2020 00:00 Sample Depth: 1 - 1 ft
 Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: ARM Date Prep: 12.29.2020 16:00 % Moisture:
 Seq Number: 3146436 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.30.2020 05:53	U	1
Diesel Range Organics (DRO)	C10C28DRO	50.4	50.0	mg/kg	12.30.2020 05:53		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	67.3	50.0	mg/kg	12.30.2020 05:53		1
Total TPH	PHC635	118	50.0	mg/kg	12.30.2020 05:53		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-130	12.30.2020 05:53	
o-Terphenyl	84-15-1	98	%	70-130	12.30.2020 05:53	

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: KTL
 Analyst: KTL Date Prep: 12.30.2020 10:00 % Moisture:
 Seq Number: 3146468 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	12.30.2020 18:35	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	12.30.2020 18:35	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	12.30.2020 18:35	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	12.30.2020 18:35	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	12.30.2020 18:35	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	12.30.2020 18:35	U	1
Total BTEX		<0.00202	0.00202	mg/kg	12.30.2020 18:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	94	%	70-130	12.30.2020 18:35	
4-Bromofluorobenzene	460-00-4	117	%	70-130	12.30.2020 18:35	



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Tetra Tech- Midland, Midland, TX Falcon Remediation

Sample Id: **Trench-14 (5')** Matrix: Soil Date Received: 12.29.2020 08:54
 Lab Sample Id: 682752-080 Date Collected: 12.21.2020 00:00 Sample Depth: 1 - 1 ft
 Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: ARM Date Prep: 12.29.2020 16:00 % Moisture:
 Seq Number: 3146436 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.30.2020 06:15	U	1
Diesel Range Organics (DRO)	C10C28DRO	261	50.0	mg/kg	12.30.2020 06:15		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.30.2020 06:15	U	1
Total TPH	PHC635	261	50.0	mg/kg	12.30.2020 06:15		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-130	12.30.2020 06:15	
o-Terphenyl	84-15-1	103	%	70-130	12.30.2020 06:15	

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: KTL
 Analyst: KTL Date Prep: 12.30.2020 10:00 % Moisture:
 Seq Number: 3146468 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.30.2020 19:01	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.30.2020 19:01	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.30.2020 19:01	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	12.30.2020 19:01	U	1
o-Xylene	95-47-6	0.00290	0.00200	mg/kg	12.30.2020 19:01		1
Total Xylenes	1330-20-7	0.00290	0.00200	mg/kg	12.30.2020 19:01		1
Total BTEX		0.00290	0.00200	mg/kg	12.30.2020 19:01		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	108	%	70-130	12.30.2020 19:01	
1,4-Difluorobenzene	540-36-3	86	%	70-130	12.30.2020 19:01	



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-15 (3')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-084

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146436

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	705	49.9	mg/kg	12.30.2020 06:37		1
Diesel Range Organics (DRO)	C10C28DRO	3520	49.9	mg/kg	12.30.2020 06:37		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	250	49.9	mg/kg	12.30.2020 06:37		1
Total TPH	PHC635	4480	49.9	mg/kg	12.30.2020 06:37		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	172	%	70-130	12.30.2020 06:37	**	
o-Terphenyl	84-15-1	175	%	70-130	12.30.2020 06:37	**	



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-15 (4')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-085

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146436

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	589	50.0	mg/kg	12.30.2020 06:59		1
Diesel Range Organics (DRO)	C10C28DRO	3590	50.0	mg/kg	12.30.2020 06:59		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	251	50.0	mg/kg	12.30.2020 06:59		1
Total TPH	PHC635	4430	50.0	mg/kg	12.30.2020 06:59		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	159	%	70-130	12.30.2020 06:59	**	
o-Terphenyl	84-15-1	166	%	70-130	12.30.2020 06:59	**	



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-15 (5')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-086

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146436

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.30.2020 07:21	U	1
Diesel Range Organics (DRO)	C10C28DRO	120	49.9	mg/kg	12.30.2020 07:21		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	60.3	49.9	mg/kg	12.30.2020 07:21		1
Total TPH	PHC635	180	49.9	mg/kg	12.30.2020 07:21		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	98	%	70-130	12.30.2020 07:21		
o-Terphenyl	84-15-1	99	%	70-130	12.30.2020 07:21		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-16 (0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-087

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146436

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	266	50.0	mg/kg	12.30.2020 07:44		1
Diesel Range Organics (DRO)	C10C28DRO	7930	50.0	mg/kg	12.30.2020 07:44		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	640	50.0	mg/kg	12.30.2020 07:44		1
Total TPH	PHC635	8840	50.0	mg/kg	12.30.2020 07:44		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	166	%	70-130	12.30.2020 07:44	**	
o-Terphenyl	84-15-1	274	%	70-130	12.30.2020 07:44	**	



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-16 (1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-088

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146436

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	73.5	50.0	mg/kg	12.30.2020 08:07		1
Diesel Range Organics (DRO)	C10C28DRO	1990	50.0	mg/kg	12.30.2020 08:07		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	178	50.0	mg/kg	12.30.2020 08:07		1
Total TPH	PHC635	2240	50.0	mg/kg	12.30.2020 08:07		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	108	%	70-130	12.30.2020 08:07		
o-Terphenyl	84-15-1	115	%	70-130	12.30.2020 08:07		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-16 (2')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-089

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146648

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	167	50.0	mg/kg	12.30.2020 21:05		1
Diesel Range Organics (DRO)	C10C28DRO	2220	50.0	mg/kg	12.30.2020 21:05	X	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	286	50.0	mg/kg	12.30.2020 21:05		1
Total TPH	PHC635	2670	50.0	mg/kg	12.30.2020 21:05		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	139	%	70-130	12.30.2020 21:05	**	
o-Terphenyl	84-15-1	190	%	70-130	12.30.2020 21:05	**	



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-17 (0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-092

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146648

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	177	50.0	mg/kg	12.30.2020 22:03		1
Diesel Range Organics (DRO)	C10C28DRO	5510	50.0	mg/kg	12.30.2020 22:03		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	549	50.0	mg/kg	12.30.2020 22:03		1
Total TPH	PHC635	6240	50.0	mg/kg	12.30.2020 22:03		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	125	%	70-130	12.30.2020 22:03		
o-Terphenyl	84-15-1	204	%	70-130	12.30.2020 22:03	**	



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-17 (1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-093

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146648

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	256	50.0	mg/kg	12.30.2020 22:23		1
Diesel Range Organics (DRO)	C10C28DRO	2880	50.0	mg/kg	12.30.2020 22:23		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	353	50.0	mg/kg	12.30.2020 22:23		1
Total TPH	PHC635	3490	50.0	mg/kg	12.30.2020 22:23		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	161	%	70-130	12.30.2020 22:23	**	
o-Terphenyl	84-15-1	83	%	70-130	12.30.2020 22:23		



Certificate of Analytical Results 682752

Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-17 (2)**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-094

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146648

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	300	49.9	mg/kg	12.30.2020 22:42		1
Diesel Range Organics (DRO)	C10C28DRO	2410	49.9	mg/kg	12.30.2020 22:42		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	306	49.9	mg/kg	12.30.2020 22:42		1
Total TPH	PHC635	3020	49.9	mg/kg	12.30.2020 22:42		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	134	%	70-130	12.30.2020 22:42	**	
o-Terphenyl	84-15-1	40	%	70-130	12.30.2020 22:42	**	



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-17 (3')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-095

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146648

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	185	50.0	mg/kg	12.30.2020 23:01		1
Diesel Range Organics (DRO)	C10C28DRO	1530	50.0	mg/kg	12.30.2020 23:01		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	196	50.0	mg/kg	12.30.2020 23:01		1
Total TPH	PHC635	1910	50.0	mg/kg	12.30.2020 23:01		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	126	%	70-130	12.30.2020 23:01		
o-Terphenyl	84-15-1	154	%	70-130	12.30.2020 23:01	**	



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-17 (4')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-096

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146648

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	53.4	50.0	mg/kg	12.30.2020 23:20		1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.30.2020 23:20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.30.2020 23:20	U	1
Total TPH	PHC635	53.4	50.0	mg/kg	12.30.2020 23:20		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	92	%	70-130	12.30.2020 23:20		
o-Terphenyl	84-15-1	99	%	70-130	12.30.2020 23:20		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-17 (5')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-097

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146648

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	60.8	49.9	mg/kg	12.30.2020 23:39		1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.30.2020 23:39	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.30.2020 23:39	U	1
Total TPH	PHC635	60.8	49.9	mg/kg	12.30.2020 23:39		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	86	%	70-130	12.30.2020 23:39		
o-Terphenyl	84-15-1	92	%	70-130	12.30.2020 23:39		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-17 (6')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-098

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.31.2020 11:00

% Moisture:

Seq Number: 3146734

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.31.2020 14:09	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.31.2020 14:09	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.31.2020 14:09	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	12.31.2020 14:09	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	109	%	70-130	12.31.2020 14:09		
o-Terphenyl	84-15-1	107	%	70-130	12.31.2020 14:09		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-17 (7')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-099

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146648

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	51.7	50.0	mg/kg	12.30.2020 23:58		1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.30.2020 23:58	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.30.2020 23:58	U	1
Total TPH	PHC635	51.7	50.0	mg/kg	12.30.2020 23:58		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	87	%	70-130	12.30.2020 23:58		
o-Terphenyl	84-15-1	94	%	70-130	12.30.2020 23:58		



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Tetra Tech- Midland, Midland, TX Falcon Remediation

Sample Id: **Trench-18 (0-1')** Matrix: Soil Date Received: 12.29.2020 08:54
 Lab Sample Id: 682752-100 Date Collected: 12.21.2020 00:00 Sample Depth: 1 - 1 ft
 Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: DVM Date Prep: 12.29.2020 16:00 % Moisture:
 Seq Number: 3146648 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	251	50.0	mg/kg	12.31.2020 00:17		1
Diesel Range Organics (DRO)	C10C28DRO	4320	50.0	mg/kg	12.31.2020 00:17		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	475	50.0	mg/kg	12.31.2020 00:17		1
Total TPH	PHC635	5050	50.0	mg/kg	12.31.2020 00:17		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	131	%	70-130	12.31.2020 00:17	**
o-Terphenyl	84-15-1	320	%	70-130	12.31.2020 00:17	**

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: KTL
 Analyst: KTL Date Prep: 12.30.2020 10:00 % Moisture:
 Seq Number: 3146468 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	12.30.2020 19:28	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	12.30.2020 19:28	U	1
Ethylbenzene	100-41-4	0.00505	0.00201	mg/kg	12.30.2020 19:28		1
m,p-Xylenes	179601-23-1	0.00775	0.00402	mg/kg	12.30.2020 19:28		1
o-Xylene	95-47-6	0.00351	0.00201	mg/kg	12.30.2020 19:28		1
Total Xylenes	1330-20-7	0.0113	0.00201	mg/kg	12.30.2020 19:28		1
Total BTEX		0.0163	0.00201	mg/kg	12.30.2020 19:28		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	85	%	70-130	12.30.2020 19:28	
4-Bromofluorobenzene	460-00-4	153	%	70-130	12.30.2020 19:28	**



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Tetra Tech- Midland, Midland, TX Falcon Remediation

Sample Id: **Trench-18 (1')** Matrix: Soil Date Received: 12.29.2020 08:54
 Lab Sample Id: 682752-101 Date Collected: 12.21.2020 00:00 Sample Depth: 1 - 1 ft
 Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: DVM Date Prep: 12.29.2020 16:00 % Moisture:
 Seq Number: 3146648 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	773	49.9	mg/kg	12.31.2020 00:36		1
Diesel Range Organics (DRO)	C10C28DRO	6130	49.9	mg/kg	12.31.2020 00:36		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	480	49.9	mg/kg	12.31.2020 00:36		1
Total TPH	PHC635	7380	49.9	mg/kg	12.31.2020 00:36		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	221	%	70-130	12.31.2020 00:36	**
o-Terphenyl	84-15-1	363	%	70-130	12.31.2020 00:36	**

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: KTL
 Analyst: KTL Date Prep: 12.30.2020 10:00 % Moisture:
 Seq Number: 3146468 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.30.2020 19:54	U	1
Toluene	108-88-3	0.0473	0.00200	mg/kg	12.30.2020 19:54		1
Ethylbenzene	100-41-4	0.0243	0.00200	mg/kg	12.30.2020 19:54		1
m,p-Xylenes	179601-23-1	0.190	0.00399	mg/kg	12.30.2020 19:54		1
o-Xylene	95-47-6	0.190	0.00200	mg/kg	12.30.2020 19:54		1
Total Xylenes	1330-20-7	0.380	0.00200	mg/kg	12.30.2020 19:54		1
Total BTEX		0.452	0.00200	mg/kg	12.30.2020 19:54		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	89	%	70-130	12.30.2020 19:54	
4-Bromofluorobenzene	460-00-4	277	%	70-130	12.30.2020 19:54	**



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Tetra Tech- Midland, Midland, TX Falcon Remediation

Sample Id: **Trench-18 (2')** Matrix: Soil Date Received: 12.29.2020 08:54
 Lab Sample Id: 682752-102 Date Collected: 12.21.2020 00:00 Sample Depth: 1 - 1 ft
 Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: DVM Date Prep: 12.29.2020 16:00 % Moisture:
 Seq Number: 3146648 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	558	50.0	mg/kg	12.31.2020 01:14		1
Diesel Range Organics (DRO)	C10C28DRO	4970	50.0	mg/kg	12.31.2020 01:14		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	445	50.0	mg/kg	12.31.2020 01:14		1
Total TPH	PHC635	5970	50.0	mg/kg	12.31.2020 01:14		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	255	%	70-130	12.31.2020 01:14	**
o-Terphenyl	84-15-1	318	%	70-130	12.31.2020 01:14	**

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: KTL
 Analyst: KTL Date Prep: 12.30.2020 10:00 % Moisture:
 Seq Number: 3146468 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.30.2020 20:21	U	1
Toluene	108-88-3	0.0260	0.00199	mg/kg	12.30.2020 20:21		1
Ethylbenzene	100-41-4	0.0151	0.00199	mg/kg	12.30.2020 20:21		1
m,p-Xylenes	179601-23-1	0.249	0.00398	mg/kg	12.30.2020 20:21		1
o-Xylene	95-47-6	0.229	0.00199	mg/kg	12.30.2020 20:21		1
Total Xylenes	1330-20-7	0.478	0.00199	mg/kg	12.30.2020 20:21		1
Total BTEX		0.519	0.00199	mg/kg	12.30.2020 20:21		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	330	%	70-130	12.30.2020 20:21	**
1,4-Difluorobenzene	540-36-3	87	%	70-130	12.30.2020 20:21	



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Tetra Tech- Midland, Midland, TX Falcon Remediation

Sample Id: **Trench-19 (4')** Matrix: Soil Date Received: 12.29.2020 08:54
 Lab Sample Id: 682752-109 Date Collected: 12.22.2020 00:00 Sample Depth: 1 - 1 ft
 Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: DVM Date Prep: 12.29.2020 16:00 % Moisture:
 Seq Number: 3146648 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	760	49.9	mg/kg	12.31.2020 01:34		1
Diesel Range Organics (DRO)	C10C28DRO	3400	49.9	mg/kg	12.31.2020 01:34		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	360	49.9	mg/kg	12.31.2020 01:34		1
Total TPH	PHC635	4520	49.9	mg/kg	12.31.2020 01:34		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	161	%	70-130	12.31.2020 01:34	**
o-Terphenyl	84-15-1	234	%	70-130	12.31.2020 01:34	**

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: KTL
 Analyst: KTL Date Prep: 12.30.2020 10:00 % Moisture:
 Seq Number: 3146468 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	0.00214	0.00199	mg/kg	12.30.2020 20:47		1
Toluene	108-88-3	0.0517	0.00199	mg/kg	12.30.2020 20:47		1
Ethylbenzene	100-41-4	0.0595	0.00199	mg/kg	12.30.2020 20:47		1
m,p-Xylenes	179601-23-1	0.0761	0.00398	mg/kg	12.30.2020 20:47		1
o-Xylene	95-47-6	0.223	0.00199	mg/kg	12.30.2020 20:47		1
Total Xylenes	1330-20-7	0.299	0.00199	mg/kg	12.30.2020 20:47		1
Total BTEX		0.412	0.00199	mg/kg	12.30.2020 20:47		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	99	%	70-130	12.30.2020 20:47	
4-Bromofluorobenzene	460-00-4	340	%	70-130	12.30.2020 20:47	**



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Tetra Tech- Midland, Midland, TX Falcon Remediation

Sample Id: **Trench-19 (5')** Matrix: Soil Date Received: 12.29.2020 08:54
 Lab Sample Id: 682752-110 Date Collected: 12.22.2020 00:00 Sample Depth: 1 - 1 ft
 Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: DVM Date Prep: 12.29.2020 16:00 % Moisture:
 Seq Number: 3146648 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	161	50.0	mg/kg	12.31.2020 01:53		1
Diesel Range Organics (DRO)	C10C28DRO	1060	50.0	mg/kg	12.31.2020 01:53		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	118	50.0	mg/kg	12.31.2020 01:53		1
Total TPH	PHC635	1340	50.0	mg/kg	12.31.2020 01:53		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-130	12.31.2020 01:53	
o-Terphenyl	84-15-1	164	%	70-130	12.31.2020 01:53	**

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: KTL
 Analyst: KTL Date Prep: 12.30.2020 10:00 % Moisture:
 Seq Number: 3146468 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.30.2020 21:14	U	1
Toluene	108-88-3	0.0420	0.00199	mg/kg	12.30.2020 21:14		1
Ethylbenzene	100-41-4	0.0149	0.00199	mg/kg	12.30.2020 21:14		1
m,p-Xylenes	179601-23-1	0.0102	0.00398	mg/kg	12.30.2020 21:14		1
o-Xylene	95-47-6	0.155	0.00199	mg/kg	12.30.2020 21:14		1
Total Xylenes	1330-20-7	0.165	0.00199	mg/kg	12.30.2020 21:14		1
Total BTEX		0.222	0.00199	mg/kg	12.30.2020 21:14		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	92	%	70-130	12.30.2020 21:14	
4-Bromofluorobenzene	460-00-4	235	%	70-130	12.30.2020 21:14	**



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Tetra Tech- Midland, Midland, TX Falcon Remediation

Sample Id: **Trench-19 (6')** Matrix: Soil Date Received: 12.29.2020 08:54
 Lab Sample Id: 682752-111 Date Collected: 12.22.2020 00:00 Sample Depth: 1 - 1 ft
 Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: DVM Date Prep: 12.29.2020 16:00 % Moisture:
 Seq Number: 3146648 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	50.3	49.8	mg/kg	12.31.2020 02:12		1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	12.31.2020 02:12	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	12.31.2020 02:12	U	1
Total TPH	PHC635	50.3	49.8	mg/kg	12.31.2020 02:12		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-130	12.31.2020 02:12	
o-Terphenyl	84-15-1	89	%	70-130	12.31.2020 02:12	

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: KTL
 Analyst: KTL Date Prep: 12.30.2020 10:00 % Moisture:
 Seq Number: 3146468 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.30.2020 21:41	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.30.2020 21:41	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.30.2020 21:41	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	12.30.2020 21:41	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.30.2020 21:41	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	12.30.2020 21:41	U	1
Total BTEX		<0.00200	0.00200	mg/kg	12.30.2020 21:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	138	%	70-130	12.30.2020 21:41	**
1,4-Difluorobenzene	540-36-3	88	%	70-130	12.30.2020 21:41	



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Tetra Tech- Midland, Midland, TX Falcon Remediation

Sample Id: **Trench-20 (4')** Matrix: Soil Date Received: 12.29.2020 08:54
 Lab Sample Id: 682752-116 Date Collected: 12.22.2020 00:00 Sample Depth: 1 - 1 ft
 Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: DVM Date Prep: 12.29.2020 16:00 % Moisture:
 Seq Number: 3146648 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	1890	50.0	mg/kg	12.31.2020 02:32		1
Diesel Range Organics (DRO)	C10C28DRO	6160	50.0	mg/kg	12.31.2020 02:32		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	455	50.0	mg/kg	12.31.2020 02:32		1
Total TPH	PHC635	8510	50.0	mg/kg	12.31.2020 02:32		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	356	%	70-130	12.31.2020 02:32	**
o-Terphenyl	84-15-1	370	%	70-130	12.31.2020 02:32	**

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: KTL
 Analyst: KTL Date Prep: 12.30.2020 10:00 % Moisture:
 Seq Number: 3146468 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	0.00544	0.00199	mg/kg	12.30.2020 22:07		1
Toluene	108-88-3	0.255	0.00199	mg/kg	12.30.2020 22:07		1
Ethylbenzene	100-41-4	0.186	0.00199	mg/kg	12.30.2020 22:07		1
m,p-Xylenes	179601-23-1	20.2	0.199	mg/kg	12.31.2020 20:21	D	50
o-Xylene	95-47-6	7.39	0.0996	mg/kg	12.31.2020 20:21	D	50
Total Xylenes	1330-20-7	27.6	0.0996	mg/kg	12.31.2020 20:21		50
Total BTEX		28.0	0.00199	mg/kg	12.31.2020 20:21		50

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	96	%	70-130	12.30.2020 22:07	
4-Bromofluorobenzene	460-00-4	377	%	70-130	12.30.2020 22:07	**



Certificate of Analytical Results 682752

Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-20 (5')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-117

Date Collected: 12.22.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 16:00

% Moisture:
Basis: Wet Weight

Seq Number: 3146648

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	578	49.9	mg/kg	12.31.2020 02:51		1
Diesel Range Organics (DRO)	C10C28DRO	2480	49.9	mg/kg	12.31.2020 02:51		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	266	49.9	mg/kg	12.31.2020 02:51		1
Total TPH	PHC635	3320	49.9	mg/kg	12.31.2020 02:51		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	134	%	70-130	12.31.2020 02:51	**
o-Terphenyl	84-15-1	67	%	70-130	12.31.2020 02:51	**

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Date Prep: 12.30.2020 10:00

% Moisture:
Basis: Wet Weight

Seq Number: 3146468

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	0.00367	0.00198	mg/kg	12.30.2020 22:34		1
Toluene	108-88-3	0.0622	0.00198	mg/kg	12.30.2020 22:34		1
Ethylbenzene	100-41-4	0.0652	0.00198	mg/kg	12.30.2020 22:34		1
m,p-Xylenes	179601-23-1	11.8	0.0792	mg/kg	12.31.2020 20:41	D	20
o-Xylene	95-47-6	5.00	0.0396	mg/kg	12.31.2020 20:41	D	20
Total Xylenes	1330-20-7	16.8	0.0396	mg/kg	12.31.2020 20:41		20
Total BTEX		16.9	0.00198	mg/kg	12.31.2020 20:41		20

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	257	%	70-130	12.30.2020 22:34	**
1,4-Difluorobenzene	540-36-3	90	%	70-130	12.30.2020 22:34	



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-20 (6')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-118

Date Collected: 12.22.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.29.2020 16:00

% Moisture:
Basis: Wet Weight

Seq Number: 3146648

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	54.7	50.0	mg/kg	12.31.2020 03:10		1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.31.2020 03:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.31.2020 03:10	U	1
Total TPH	PHC635	54.7	50.0	mg/kg	12.31.2020 03:10		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-130	12.31.2020 03:10	
o-Terphenyl	84-15-1	99	%	70-130	12.31.2020 03:10	

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Date Prep: 12.29.2020 16:00

% Moisture:
Basis: Wet Weight

Seq Number: 3146363

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.29.2020 19:03	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.29.2020 19:03	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.29.2020 19:03	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	12.29.2020 19:03	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.29.2020 19:03	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	12.29.2020 19:03	U	1
Total BTEX		<0.00200	0.00200	mg/kg	12.29.2020 19:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	89	%	70-130	12.29.2020 19:03	
4-Bromofluorobenzene	460-00-4	109	%	70-130	12.29.2020 19:03	



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-21 (4')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-123

Date Collected: 12.22.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.31.2020 11:00

% Moisture:

Seq Number: 3146734

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	294	49.8	mg/kg	12.31.2020 15:19		1
Diesel Range Organics (DRO)	C10C28DRO	2460	49.8	mg/kg	12.31.2020 15:19		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	185	49.8	mg/kg	12.31.2020 15:19		1
Total TPH	PHC635	2940	49.8	mg/kg	12.31.2020 15:19		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	71	%	70-130	12.31.2020 15:19	
o-Terphenyl	84-15-1	73	%	70-130	12.31.2020 15:19	

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146363

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.29.2020 19:28	U	1
Toluene	108-88-3	0.00582	0.00200	mg/kg	12.29.2020 19:28		1
Ethylbenzene	100-41-4	0.141	0.00200	mg/kg	12.29.2020 19:28		1
m,p-Xylenes	179601-23-1	0.701	0.00401	mg/kg	12.29.2020 19:28		1
o-Xylene	95-47-6	0.394	0.00200	mg/kg	12.29.2020 19:28		1
Total Xylenes	1330-20-7	1.10	0.00200	mg/kg	12.29.2020 19:28		1
Total BTEX		1.24	0.00200	mg/kg	12.29.2020 19:28		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	80	%	70-130	12.29.2020 19:28	
4-Bromofluorobenzene	460-00-4	783	%	70-130	12.29.2020 19:28	**



Certificate of Analytical Results 682752

Tetra Tech- Midland, Midland, TX Falcon Remediation

Sample Id: **Trench-21 (5')** Matrix: Soil Date Received: 12.29.2020 08:54
 Lab Sample Id: 682752-124 Date Collected: 12.22.2020 00:00 Sample Depth: 1 - 1 ft
 Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: DVM Date Prep: 12.31.2020 11:00 % Moisture:
 Seq Number: 3146734 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.31.2020 15:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	92.6	50.0	mg/kg	12.31.2020 15:42		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.31.2020 15:42	U	1
Total TPH	PHC635	92.6	50.0	mg/kg	12.31.2020 15:42		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-130	12.31.2020 15:42	
o-Terphenyl	84-15-1	92	%	70-130	12.31.2020 15:42	

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: KTL
 Analyst: KTL Date Prep: 12.29.2020 16:00 % Moisture:
 Seq Number: 3146363 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.29.2020 19:53	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.29.2020 19:53	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.29.2020 19:53	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.29.2020 19:53	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.29.2020 19:53	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	12.29.2020 19:53	U	1
Total BTEX		<0.00199	0.00199	mg/kg	12.29.2020 19:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	12.29.2020 19:53	
4-Bromofluorobenzene	460-00-4	91	%	70-130	12.29.2020 19:53	



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Tetra Tech- Midland, Midland, TX Falcon Remediation

Sample Id: **Trench-21 (6')** Matrix: Soil Date Received: 12.29.2020 08:54
 Lab Sample Id: 682752-125 Date Collected: 12.22.2020 00:00 Sample Depth: 1 - 1 ft
 Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: DVM Date Prep: 12.31.2020 11:00 % Moisture:
 Seq Number: 3146734 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.31.2020 16:05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.31.2020 16:05	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.31.2020 16:05	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	12.31.2020 16:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-130	12.31.2020 16:05	
o-Terphenyl	84-15-1	99	%	70-130	12.31.2020 16:05	

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: KTL
 Analyst: KTL Date Prep: 12.29.2020 16:00 % Moisture:
 Seq Number: 3146363 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	12.29.2020 20:20	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	12.29.2020 20:20	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	12.29.2020 20:20	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	12.29.2020 20:20	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	12.29.2020 20:20	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	12.29.2020 20:20	U	1
Total BTEX		<0.00198	0.00198	mg/kg	12.29.2020 20:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	89	%	70-130	12.29.2020 20:20	
4-Bromofluorobenzene	460-00-4	113	%	70-130	12.29.2020 20:20	



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Tetra Tech- Midland, Midland, TX Falcon Remediation

Sample Id: **Trench-22 (4')** Matrix: Soil Date Received: 12.29.2020 08:54
 Lab Sample Id: 682752-130 Date Collected: 12.22.2020 00:00 Sample Depth: 1 - 1 ft
 Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: DVM Date Prep: 12.31.2020 11:00 % Moisture:
 Seq Number: 3146734 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	456	50.0	mg/kg	12.31.2020 16:28		1
Diesel Range Organics (DRO)	C10C28DRO	2740	50.0	mg/kg	12.31.2020 16:28		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	217	50.0	mg/kg	12.31.2020 16:28		1
Total TPH	PHC635	3410	50.0	mg/kg	12.31.2020 16:28		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	75	%	70-130	12.31.2020 16:28	
o-Terphenyl	84-15-1	93	%	70-130	12.31.2020 16:28	

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: KTL
 Analyst: KTL Date Prep: 12.29.2020 16:00 % Moisture:
 Seq Number: 3146363 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	0.00294	0.00200	mg/kg	12.29.2020 20:46		1
Toluene	108-88-3	0.0388	0.00200	mg/kg	12.29.2020 20:46		1
Ethylbenzene	100-41-4	0.0217	0.00200	mg/kg	12.29.2020 20:46		1
m,p-Xylenes	179601-23-1	0.252	0.00400	mg/kg	12.29.2020 20:46		1
o-Xylene	95-47-6	0.213	0.00200	mg/kg	12.29.2020 20:46		1
Total Xylenes	1330-20-7	0.465	0.00200	mg/kg	12.29.2020 20:46		1
Total BTEX		0.528	0.00200	mg/kg	12.29.2020 20:46		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	563	%	70-130	12.29.2020 20:46	**
1,4-Difluorobenzene	540-36-3	87	%	70-130	12.29.2020 20:46	



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Tetra Tech- Midland, Midland, TX Falcon Remediation

Sample Id: **Trench-22 (5')** Matrix: Soil Date Received: 12.29.2020 08:54
 Lab Sample Id: 682752-131 Date Collected: 12.22.2020 00:00 Sample Depth: 1 - 1 ft
 Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: DVM Date Prep: 12.31.2020 11:00 % Moisture:
 Seq Number: 3146734 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	1290	50.0	mg/kg	12.31.2020 16:51		1
Diesel Range Organics (DRO)	C10C28DRO	4510	50.0	mg/kg	12.31.2020 16:51		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	332	50.0	mg/kg	12.31.2020 16:51		1
Total TPH	PHC635	6130	50.0	mg/kg	12.31.2020 16:51		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-130	12.31.2020 16:51	
o-Terphenyl	84-15-1	97	%	70-130	12.31.2020 16:51	

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: KTL
 Analyst: KTL Date Prep: 12.29.2020 16:00 % Moisture:
 Seq Number: 3146363 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	0.171	0.00200	mg/kg	12.29.2020 21:12		1
Toluene	108-88-3	5.33	0.200	mg/kg	12.30.2020 22:24	D	100
Ethylbenzene	100-41-4	6.20	0.200	mg/kg	12.30.2020 22:24	D	100
m,p-Xylenes	179601-23-1	32.5	0.400	mg/kg	12.30.2020 22:24	D	100
o-Xylene	95-47-6	12.4	0.200	mg/kg	12.30.2020 22:24	D	100
Total Xylenes	1330-20-7	44.9	0.200	mg/kg	12.30.2020 22:24		100
Total BTEX		56.6	0.00200	mg/kg	12.30.2020 22:24		100

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	2267	%	70-130	12.29.2020 21:12	**
1,4-Difluorobenzene	540-36-3	128	%	70-130	12.29.2020 21:12	



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-22 (6')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-132

Date Collected: 12.22.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.31.2020 11:00

% Moisture:

Seq Number: 3146734

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	330	49.9	mg/kg	12.31.2020 17:14		1
Diesel Range Organics (DRO)	C10C28DRO	2050	49.9	mg/kg	12.31.2020 17:14		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	152	49.9	mg/kg	12.31.2020 17:14		1
Total TPH	PHC635	2530	49.9	mg/kg	12.31.2020 17:14		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	72	%	70-130	12.31.2020 17:14	
o-Terphenyl	84-15-1	71	%	70-130	12.31.2020 17:14	

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Date Prep: 12.29.2020 16:00

% Moisture:

Seq Number: 3146363

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	0.00301	0.00201	mg/kg	12.29.2020 21:39		1
Toluene	108-88-3	1.73	0.100	mg/kg	12.30.2020 22:04	D	50
Ethylbenzene	100-41-4	2.97	0.100	mg/kg	12.30.2020 22:04	D	50
m,p-Xylenes	179601-23-1	17.7	0.201	mg/kg	12.30.2020 22:04	D	50
o-Xylene	95-47-6	5.75	0.100	mg/kg	12.30.2020 22:04	D	50
Total Xylenes	1330-20-7	23.5	0.100	mg/kg	12.30.2020 22:04		50
Total BTEX		28.2	0.00201	mg/kg	12.30.2020 22:04		50

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	1110	%	70-130	12.29.2020 21:39	**
1,4-Difluorobenzene	540-36-3	75	%	70-130	12.29.2020 21:39	



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Tetra Tech- Midland, Midland, TX Falcon Remediation

Sample Id: **Trench-22 (7')** Matrix: Soil Date Received: 12.29.2020 08:54
 Lab Sample Id: 682752-133 Date Collected: 12.22.2020 00:00 Sample Depth: 1 - 1 ft
 Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: DVM Date Prep: 12.31.2020 11:00 % Moisture:
 Seq Number: 3146734 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.31.2020 17:37	U	1
Diesel Range Organics (DRO)	C10C28DRO	358	50.0	mg/kg	12.31.2020 17:37		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.31.2020 17:37	U	1
Total TPH	PHC635	358	50.0	mg/kg	12.31.2020 17:37		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-130	12.31.2020 17:37	
o-Terphenyl	84-15-1	111	%	70-130	12.31.2020 17:37	

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: KTL
 Analyst: KTL Date Prep: 12.30.2020 10:00 % Moisture:
 Seq Number: 3146700 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.30.2020 18:43	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.30.2020 18:43	U	1
Ethylbenzene	100-41-4	0.00532	0.00200	mg/kg	12.30.2020 18:43		1
m,p-Xylenes	179601-23-1	0.0107	0.00399	mg/kg	12.30.2020 18:43		1
o-Xylene	95-47-6	0.00620	0.00200	mg/kg	12.30.2020 18:43		1
Total Xylenes	1330-20-7	0.0169	0.00200	mg/kg	12.30.2020 18:43		1
Total BTEX		0.0222	0.00200	mg/kg	12.30.2020 18:43		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	95	%	70-130	12.30.2020 18:43	
4-Bromofluorobenzene	460-00-4	134	%	70-130	12.30.2020 18:43	**



Certificate of Analytical Results 682752

Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-23 (4')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-138

Date Collected: 12.22.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.31.2020 11:00

% Moisture:

Seq Number: 3146734

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	96.3	50.0	mg/kg	12.31.2020 17:59		1
Diesel Range Organics (DRO)	C10C28DRO	1130	50.0	mg/kg	12.31.2020 17:59		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	85.7	50.0	mg/kg	12.31.2020 17:59		1
Total TPH	PHC635	1310	50.0	mg/kg	12.31.2020 17:59		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	117	%	70-130	12.31.2020 17:59		
o-Terphenyl	84-15-1	117	%	70-130	12.31.2020 17:59		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-23 (5')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-139

Date Collected: 12.22.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.31.2020 11:00

% Moisture:

Seq Number: 3146734

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.31.2020 18:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	69.7	49.9	mg/kg	12.31.2020 18:22		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.31.2020 18:22	U	1
Total TPH	PHC635	69.7	49.9	mg/kg	12.31.2020 18:22		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	109	%	70-130	12.31.2020 18:22		
o-Terphenyl	84-15-1	109	%	70-130	12.31.2020 18:22		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-23 (6')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-140

Date Collected: 12.22.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.31.2020 11:00

% Moisture:

Seq Number: 3146734

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.31.2020 19:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	54.8	50.0	mg/kg	12.31.2020 19:08		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.31.2020 19:08	U	1
Total TPH	PHC635	54.8	50.0	mg/kg	12.31.2020 19:08		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	102	%	70-130	12.31.2020 19:08		
o-Terphenyl	84-15-1	101	%	70-130	12.31.2020 19:08		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-24 (4')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-145

Date Collected: 12.15.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 11:00

% Moisture:

Seq Number: 3146478

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	543	50.0	mg/kg	12.30.2020 19:26		1
Diesel Range Organics (DRO)	C10C28DRO	505	50.0	mg/kg	12.30.2020 19:26		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	124	50.0	mg/kg	12.30.2020 19:26		1
Total TPH	PHC635	1170	50.0	mg/kg	12.30.2020 19:26		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	165	%	70-130	12.30.2020 19:26	**	
o-Terphenyl	84-15-1	136	%	70-130	12.30.2020 19:26	**	



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-24 (5')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-146

Date Collected: 12.15.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 11:00

% Moisture:

Seq Number: 3146478

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.30.2020 19:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	151	49.9	mg/kg	12.30.2020 19:49		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	65.4	49.9	mg/kg	12.30.2020 19:49		1
Total TPH	PHC635	216	49.9	mg/kg	12.30.2020 19:49		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	157	%	70-130	12.30.2020 19:49	**	
o-Terphenyl	84-15-1	125	%	70-130	12.30.2020 19:49		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-24 (6')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-147

Date Collected: 12.15.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 11:00

% Moisture:

Seq Number: 3146478

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.30.2020 20:35	U	1
Diesel Range Organics (DRO)	C10C28DRO	176	50.0	mg/kg	12.30.2020 20:35		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.30.2020 20:35	U	1
Total TPH	PHC635	176	50.0	mg/kg	12.30.2020 20:35		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	151	%	70-130	12.30.2020 20:35	**	
o-Terphenyl	84-15-1	124	%	70-130	12.30.2020 20:35		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-25 (0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-148

Date Collected: 12.15.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 11:00

% Moisture:

Seq Number: 3146478

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.30.2020 20:58	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.30.2020 20:58	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.30.2020 20:58	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	12.30.2020 20:58	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	141	%	70-130	12.30.2020 20:58	**	
o-Terphenyl	84-15-1	115	%	70-130	12.30.2020 20:58		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-26 (0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-153

Date Collected: 12.15.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 11:00

% Moisture:

Seq Number: 3146478

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.30.2020 21:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.30.2020 21:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.30.2020 21:23	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	12.30.2020 21:23	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	158	%	70-130	12.30.2020 21:23	**	
o-Terphenyl	84-15-1	128	%	70-130	12.30.2020 21:23		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-27 (0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-158

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.31.2020 11:00

% Moisture:

Seq Number: 3146734

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	12.31.2020 19:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	12.31.2020 19:31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	12.31.2020 19:31	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	12.31.2020 19:31	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	95	%	70-130	12.31.2020 19:31		
o-Terphenyl	84-15-1	89	%	70-130	12.31.2020 19:31		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-28 (0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-163

Date Collected: 12.15.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 11:00

% Moisture:

Seq Number: 3146478

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.30.2020 21:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.30.2020 21:45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.30.2020 21:45	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	12.30.2020 21:45	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	108	%	70-130	12.30.2020 21:45		
o-Terphenyl	84-15-1	106	%	70-130	12.30.2020 21:45		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-29 (0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-168

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.31.2020 11:00

% Moisture:

Seq Number: 3146734

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.31.2020 19:54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.31.2020 19:54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.31.2020 19:54	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	12.31.2020 19:54	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	98	%	70-130	12.31.2020 19:54		
o-Terphenyl	84-15-1	94	%	70-130	12.31.2020 19:54		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-29 (1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-169

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.31.2020 11:00

% Moisture:

Seq Number: 3146734

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.31.2020 20:17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.31.2020 20:17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.31.2020 20:17	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	12.31.2020 20:17	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	96	%	70-130	12.31.2020 20:17		
o-Terphenyl	84-15-1	92	%	70-130	12.31.2020 20:17		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-29 (2')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-170

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.31.2020 11:00

% Moisture:

Seq Number: 3146734

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.31.2020 20:39	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.31.2020 20:39	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.31.2020 20:39	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	12.31.2020 20:39	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	102	%	70-130	12.31.2020 20:39		
o-Terphenyl	84-15-1	97	%	70-130	12.31.2020 20:39		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-29 (3')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-171

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.31.2020 11:00

% Moisture:

Seq Number: 3146734

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.31.2020 21:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.31.2020 21:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.31.2020 21:02	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	12.31.2020 21:02	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	121	%	70-130	12.31.2020 21:02		
o-Terphenyl	84-15-1	111	%	70-130	12.31.2020 21:02		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-29 (4')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-172

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.31.2020 11:00

% Moisture:

Seq Number: 3146734

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.31.2020 21:25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.31.2020 21:25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.31.2020 21:25	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	12.31.2020 21:25	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	118	%	70-130	12.31.2020 21:25		
o-Terphenyl	84-15-1	113	%	70-130	12.31.2020 21:25		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-29 (5')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-173

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.31.2020 11:00

% Moisture:

Seq Number: 3146734

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.31.2020 21:47	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.31.2020 21:47	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.31.2020 21:47	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	12.31.2020 21:47	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	104	%	70-130	12.31.2020 21:47		
o-Terphenyl	84-15-1	105	%	70-130	12.31.2020 21:47		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-29 (6')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-174

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.31.2020 11:00

% Moisture:

Seq Number: 3146734

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.31.2020 22:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.31.2020 22:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.31.2020 22:10	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	12.31.2020 22:10	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	105	%	70-130	12.31.2020 22:10		
o-Terphenyl	84-15-1	105	%	70-130	12.31.2020 22:10		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-29 (7')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-175

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.31.2020 11:00

% Moisture:

Seq Number: 3146731

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.04.2021 16:24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.04.2021 16:24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.04.2021 16:24	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.04.2021 16:24	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	86	%	70-130	01.04.2021 16:24		
o-Terphenyl	84-15-1	97	%	70-130	01.04.2021 16:24		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-29 (8')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-176

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.31.2020 11:00

% Moisture:

Seq Number: 3146731

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.04.2021 17:19	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.04.2021 17:19	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.04.2021 17:19	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.04.2021 17:19	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	88	%	70-130	01.04.2021 17:19		
o-Terphenyl	84-15-1	98	%	70-130	01.04.2021 17:19		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-29 (9')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-177

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.31.2020 11:00

% Moisture:

Seq Number: 3146731

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.04.2021 17:37	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.04.2021 17:37	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.04.2021 17:37	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.04.2021 17:37	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	92	%	70-130	01.04.2021 17:37		
o-Terphenyl	84-15-1	101	%	70-130	01.04.2021 17:37		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-29 (10')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-178

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.31.2020 11:00

% Moisture:

Seq Number: 3146731

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.04.2021 17:55	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.04.2021 17:55	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.04.2021 17:55	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.04.2021 17:55	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	92	%	70-130	01.04.2021 17:55		
o-Terphenyl	84-15-1	101	%	70-130	01.04.2021 17:55		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-30 (0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-179

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.31.2020 11:00

% Moisture:

Seq Number: 3146731

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	110	49.9	mg/kg	01.04.2021 18:13		1
Diesel Range Organics (DRO)	C10C28DRO	5490	49.9	mg/kg	01.04.2021 18:13		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	459	49.9	mg/kg	01.04.2021 18:13		1
Total TPH	PHC635	6060	49.9	mg/kg	01.04.2021 18:13		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	88	%	70-130	01.04.2021 18:13		
o-Terphenyl	84-15-1	103	%	70-130	01.04.2021 18:13		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-30 (1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-180

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.31.2020 11:00

% Moisture:

Seq Number: 3146731

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	137	49.8	mg/kg	01.04.2021 18:31		1
Diesel Range Organics (DRO)	C10C28DRO	3490	49.8	mg/kg	01.04.2021 18:31		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	338	49.8	mg/kg	01.04.2021 18:31		1
Total TPH	PHC635	3970	49.8	mg/kg	01.04.2021 18:31		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	105	%	70-130	01.04.2021 18:31		
o-Terphenyl	84-15-1	95	%	70-130	01.04.2021 18:31		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-30 (2')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-181

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.31.2020 11:00

% Moisture:

Seq Number: 3146731

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.04.2021 18:50	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.04.2021 18:50	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.04.2021 18:50	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.04.2021 18:50	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	75	%	70-130	01.04.2021 18:50		
o-Terphenyl	84-15-1	78	%	70-130	01.04.2021 18:50		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-30 (3')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-182

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.31.2020 11:00

% Moisture:

Seq Number: 3146731

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.04.2021 19:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.04.2021 19:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.04.2021 19:08	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.04.2021 19:08	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	86	%	70-130	01.04.2021 19:08		
o-Terphenyl	84-15-1	88	%	70-130	01.04.2021 19:08		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-30 (4')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-183

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.31.2020 11:00

% Moisture:

Seq Number: 3146731

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.04.2021 19:26	U	1
Diesel Range Organics (DRO)	C10C28DRO	928	49.9	mg/kg	01.04.2021 19:26		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	130	49.9	mg/kg	01.04.2021 19:26		1
Total TPH	PHC635	1060	49.9	mg/kg	01.04.2021 19:26		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	94	%	70-130	01.04.2021 19:26		
o-Terphenyl	84-15-1	102	%	70-130	01.04.2021 19:26		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-30 (5')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-184

Date Collected: 12.15.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 11:00

% Moisture:

Seq Number: 3146478

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	12.30.2020 22:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	63.5	49.8	mg/kg	12.30.2020 22:08		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	12.30.2020 22:08	U	1
Total TPH	PHC635	63.5	49.8	mg/kg	12.30.2020 22:08		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	98	%	70-130	12.30.2020 22:08		
o-Terphenyl	84-15-1	95	%	70-130	12.30.2020 22:08		



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Falcon Remediation

Sample Id: **Trench-31 (0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-185

Date Collected: 12.15.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 11:00

% Moisture:

Seq Number: 3146478

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.30.2020 22:32	U	1
Diesel Range Organics (DRO)	C10C28DRO	109	49.9	mg/kg	12.30.2020 22:32		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.30.2020 22:32	U	1
Total TPH	PHC635	109	49.9	mg/kg	12.30.2020 22:32		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	89	%	70-130	12.30.2020 22:32		
o-Terphenyl	84-15-1	87	%	70-130	12.30.2020 22:32		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **Trench-32 (0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-190

Date Collected: 12.21.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.31.2020 11:00

% Moisture:

Seq Number: 3146731

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.04.2021 19:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.04.2021 19:45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.04.2021 19:45	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.04.2021 19:45	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	75	%	70-130	01.04.2021 19:45		
o-Terphenyl	84-15-1	77	%	70-130	01.04.2021 19:45		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **H-1 (0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-195

Date Collected: 12.16.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.31.2020 11:00

% Moisture:

Seq Number: 3146731

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.04.2021 20:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.04.2021 20:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.04.2021 20:22	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.04.2021 20:22	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	78	%	70-130	01.04.2021 20:22		
o-Terphenyl	84-15-1	82	%	70-130	01.04.2021 20:22		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **H-2(0-1')**
 Lab Sample Id: 682752-196

Matrix: Soil
 Date Collected: 12.16.2020 00:00

Date Received: 12.29.2020 08:54
 Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.31.2020 11:00

% Moisture:
 Basis: Wet Weight

Seq Number: 3146731

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.04.2021 20:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.04.2021 20:40	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.04.2021 20:40	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.04.2021 20:40	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	84	%	70-130	01.04.2021 20:40		
o-Terphenyl	84-15-1	89	%	70-130	01.04.2021 20:40		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **H-3 (0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-197

Date Collected: 12.16.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: DVM

Date Prep: 12.31.2020 11:00

% Moisture:

Seq Number: 3146734

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.31.2020 22:33	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.31.2020 22:33	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.31.2020 22:33	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	12.31.2020 22:33	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	101	%	70-130	12.31.2020 22:33		
o-Terphenyl	84-15-1	99	%	70-130	12.31.2020 22:33		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **H-4 (0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-198

Date Collected: 12.16.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 11:00

% Moisture:

Seq Number: 3146478

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.30.2020 22:55	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.30.2020 22:55	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.30.2020 22:55	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	12.30.2020 22:55	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	95	%	70-130	12.30.2020 22:55		
o-Terphenyl	84-15-1	92	%	70-130	12.30.2020 22:55		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **H-5 (0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-199

Date Collected: 12.16.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 11:00

% Moisture:

Seq Number: 3146478

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.30.2020 23:17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.30.2020 23:17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.30.2020 23:17	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	12.30.2020 23:17	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	107	%	70-130	12.30.2020 23:17		
o-Terphenyl	84-15-1	101	%	70-130	12.30.2020 23:17		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **H-6 (0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-200

Date Collected: 12.16.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 11:00

% Moisture:

Seq Number: 3146478

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.30.2020 23:39	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.30.2020 23:39	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.30.2020 23:39	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	12.30.2020 23:39	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	101	%	70-130	12.30.2020 23:39		
o-Terphenyl	84-15-1	98	%	70-130	12.30.2020 23:39		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **H-7 (0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-201

Date Collected: 12.16.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 11:00

% Moisture:

Seq Number: 3146478

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	12.31.2020 00:00	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	12.31.2020 00:00	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	12.31.2020 00:00	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	12.31.2020 00:00	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	109	%	70-130	12.31.2020 00:00		
o-Terphenyl	84-15-1	105	%	70-130	12.31.2020 00:00		



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Tetra Tech- Midland, Midland, TX Falcon Remediation

Sample Id: **H-8 (0-1')**
Lab Sample Id: 682752-202

Matrix: Soil
Date Collected: 12.16.2020 00:00

Date Received: 12.29.2020 08:54
Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 11:00

% Moisture:
Basis: Wet Weight

Seq Number: 3146489

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.29.2020 16:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.29.2020 16:40	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.29.2020 16:40	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	12.29.2020 16:40	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	89	%	70-130	12.29.2020 16:40		
o-Terphenyl	84-15-1	95	%	70-130	12.29.2020 16:40		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **H-9 (0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-203

Date Collected: 12.16.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 11:00

% Moisture:

Seq Number: 3146489

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.29.2020 17:00	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.29.2020 17:00	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.29.2020 17:00	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	12.29.2020 17:00	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	90	%	70-130	12.29.2020 17:00		
o-Terphenyl	84-15-1	93	%	70-130	12.29.2020 17:00		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **H-10 (0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-204

Date Collected: 12.16.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 11:00

% Moisture:

Seq Number: 3146489

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.29.2020 17:20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.29.2020 17:20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.29.2020 17:20	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	12.29.2020 17:20	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	89	%	70-130	12.29.2020 17:20		
o-Terphenyl	84-15-1	93	%	70-130	12.29.2020 17:20		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **H-11 (0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-205

Date Collected: 12.16.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 11:00

% Moisture:

Seq Number: 3146489

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.29.2020 17:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.29.2020 17:40	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.29.2020 17:40	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	12.29.2020 17:40	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	87	%	70-130	12.29.2020 17:40		
o-Terphenyl	84-15-1	92	%	70-130	12.29.2020 17:40		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **H-12 (0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-206

Date Collected: 12.16.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 11:00

% Moisture:

Seq Number: 3146489

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	50.0	50.0	mg/kg	12.29.2020 17:59		1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.29.2020 17:59	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.29.2020 17:59	U	1
Total TPH	PHC635	50.0	50.0	mg/kg	12.29.2020 17:59		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	90	%	70-130	12.29.2020 17:59		
o-Terphenyl	84-15-1	92	%	70-130	12.29.2020 17:59		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **H-13 (0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-207

Date Collected: 12.16.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 11:00

% Moisture:

Seq Number: 3146489

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	12.29.2020 18:38	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	12.29.2020 18:38	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	12.29.2020 18:38	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	12.29.2020 18:38	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	95	%	70-130	12.29.2020 18:38		
o-Terphenyl	84-15-1	98	%	70-130	12.29.2020 18:38		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **H-14 (0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-208

Date Collected: 12.16.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 11:00

% Moisture:

Seq Number: 3146489

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	61.0	49.9	mg/kg	12.29.2020 18:57		1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.29.2020 18:57	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.29.2020 18:57	U	1
Total TPH	PHC635	61.0	49.9	mg/kg	12.29.2020 18:57		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	90	%	70-130	12.29.2020 18:57		
o-Terphenyl	84-15-1	93	%	70-130	12.29.2020 18:57		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **H-15 (0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-209

Date Collected: 12.16.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 11:00

% Moisture:

Seq Number: 3146489

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.29.2020 19:16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.29.2020 19:16	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.29.2020 19:16	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	12.29.2020 19:16	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	87	%	70-130	12.29.2020 19:16		
o-Terphenyl	84-15-1	89	%	70-130	12.29.2020 19:16		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **H-16(0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-210

Date Collected: 12.16.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 11:00

% Moisture:

Seq Number: 3146489

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	60.9	50.0	mg/kg	12.29.2020 19:36		1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.29.2020 19:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.29.2020 19:36	U	1
Total TPH	PHC635	60.9	50.0	mg/kg	12.29.2020 19:36		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	95	%	70-130	12.29.2020 19:36		
o-Terphenyl	84-15-1	100	%	70-130	12.29.2020 19:36		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **H-17 (0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-211

Date Collected: 12.16.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 11:00

% Moisture:

Seq Number: 3146489

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.29.2020 19:55	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.29.2020 19:55	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.29.2020 19:55	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	12.29.2020 19:55	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	90	%	70-130	12.29.2020 19:55		
o-Terphenyl	84-15-1	93	%	70-130	12.29.2020 19:55		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **H-18 (0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-212

Date Collected: 12.16.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 11:00

% Moisture:

Seq Number: 3146489

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.29.2020 20:15	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.29.2020 20:15	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.29.2020 20:15	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	12.29.2020 20:15	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	86	%	70-130	12.29.2020 20:15		
o-Terphenyl	84-15-1	90	%	70-130	12.29.2020 20:15		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **H-19 (0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-213

Date Collected: 12.16.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 11:00

% Moisture:

Seq Number: 3146489

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.29.2020 20:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.29.2020 20:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.29.2020 20:34	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	12.29.2020 20:34	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	83	%	70-130	12.29.2020 20:34		
o-Terphenyl	84-15-1	86	%	70-130	12.29.2020 20:34		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **H-20 (0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-214

Date Collected: 12.16.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 11:00

% Moisture:

Seq Number: 3146489

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	68.6	49.9	mg/kg	12.29.2020 20:54		1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.29.2020 20:54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.29.2020 20:54	U	1
Total TPH	PHC635	68.6	49.9	mg/kg	12.29.2020 20:54		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	89	%	70-130	12.29.2020 20:54		
o-Terphenyl	84-15-1	91	%	70-130	12.29.2020 20:54		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **H-21(0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-215

Date Collected: 12.16.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 11:00

% Moisture:

Seq Number: 3146489

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.29.2020 21:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.29.2020 21:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.29.2020 21:14	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	12.29.2020 21:14	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	82	%	70-130	12.29.2020 21:14		
o-Terphenyl	84-15-1	84	%	70-130	12.29.2020 21:14		



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Tetra Tech- Midland, Midland, TX

Falcon Remediation

Sample Id: **H-22(0-1')**

Matrix: Soil

Date Received: 12.29.2020 08:54

Lab Sample Id: 682752-216

Date Collected: 12.16.2020 00:00

Sample Depth: 1 - 1 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 12.29.2020 11:00

% Moisture:

Seq Number: 3146489

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	58.9	50.0	mg/kg	12.29.2020 21:33		1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.29.2020 21:33	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.29.2020 21:33	U	1
Total TPH	PHC635	58.9	50.0	mg/kg	12.29.2020 21:33		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	77	%	70-130	12.29.2020 21:33		
o-Terphenyl	84-15-1	77	%	70-130	12.29.2020 21:33		

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



Tetra Tech- Midland

Falcon Remediation

Analytical Method: TPH By SW8015 Mod

Seq Number: 3146489

Matrix: Solid

Prep Method: SW8015P

Date Prep: 12.29.2020

MB Sample Id: 7718116-1-BLK

LCS Sample Id: 7718116-1-BKS

LCSD Sample Id: 7718116-1-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	782	78	770	77	70-130	2	20	mg/kg	12.29.2020 13:43	
Diesel Range Organics (DRO)	<50.0	1000	956	96	867	87	70-130	10	20	mg/kg	12.29.2020 13:43	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane	89		40	**	93		70-130	%	12.29.2020 13:43			
o-Terphenyl	99		127		82		70-130	%	12.29.2020 13:43			

Analytical Method: TPH By SW8015 Mod

Seq Number: 3146640

Matrix: Solid

Prep Method: SW8015P

Date Prep: 12.29.2020

MB Sample Id: 7718122-1-BLK

LCS Sample Id: 7718122-1-BKS

LCSD Sample Id: 7718122-1-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	958	96	968	97	70-130	1	20	mg/kg	12.29.2020 22:32	
Diesel Range Organics (DRO)	<50.0	1000	1280	128	820	82	70-130	44	20	mg/kg	12.29.2020 22:32	F
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane	74		118		112		70-130	%	12.29.2020 22:32			
o-Terphenyl	82		99		98		70-130	%	12.29.2020 22:32			

Analytical Method: TPH By SW8015 Mod

Seq Number: 3146436

Matrix: Solid

Prep Method: SW8015P

Date Prep: 12.29.2020

MB Sample Id: 7718119-1-BLK

LCS Sample Id: 7718119-1-BKS

LCSD Sample Id: 7718119-1-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	1250	125	1240	124	70-130	1	20	mg/kg	12.29.2020 23:10	
Diesel Range Organics (DRO)	<50.0	1000	861	86	866	87	70-130	1	20	mg/kg	12.29.2020 23:10	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane	95		102		114		70-130	%	12.29.2020 23:10			
o-Terphenyl	94		99		97		70-130	%	12.29.2020 23:10			

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

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

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



Tetra Tech- Midland

Falcon Remediation

Analytical Method: TPH By SW8015 Mod

Seq Number: 3146642

Matrix: Solid

Prep Method: SW8015P

Date Prep: 12.29.2020

MB Sample Id: 7718124-1-BLK

LCS Sample Id: 7718124-1-BKS

LCSD Sample Id: 7718124-1-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	915	92	1000	100	70-130	9	20	mg/kg	12.30.2020 07:17	
Diesel Range Organics (DRO)	<50.0	1000	908	91	955	96	70-130	5	20	mg/kg	12.30.2020 07:17	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane	81		106		95		70-130	%	12.30.2020 07:17			
o-Terphenyl	89		136	**	38	**	70-130	%	12.30.2020 07:17			

Analytical Method: TPH By SW8015 Mod

Seq Number: 3146648

Matrix: Solid

Prep Method: SW8015P

Date Prep: 12.29.2020

MB Sample Id: 7718206-1-BLK

LCS Sample Id: 7718206-1-BKS

LCSD Sample Id: 7718206-1-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	804	80	792	79	70-130	2	20	mg/kg	12.30.2020 20:26	
Diesel Range Organics (DRO)	<50.0	1000	846	85	813	81	70-130	4	20	mg/kg	12.30.2020 20:26	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane	80		130		130		70-130	%	12.30.2020 20:26			
o-Terphenyl	89		113		112		70-130	%	12.30.2020 20:26			

Analytical Method: TPH By SW8015 Mod

Seq Number: 3146478

Matrix: Solid

Prep Method: SW8015P

Date Prep: 12.30.2020

MB Sample Id: 7718200-1-BLK

LCS Sample Id: 7718200-1-BKS

LCSD Sample Id: 7718200-1-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	1300	130	1140	114	70-130	13	20	mg/kg	12.30.2020 14:51	
Diesel Range Organics (DRO)	<50.0	1000	986	99	1040	104	70-130	5	20	mg/kg	12.30.2020 14:51	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane	155	**	175	**	185	**	70-130	%	12.30.2020 14:51			
o-Terphenyl	129		139	**	140	**	70-130	%	12.30.2020 14:51			

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

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

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



Tetra Tech- Midland Falcon Remediation

Analytical Method: TPH By SW8015 Mod

Seq Number: 3146731

MB Sample Id: 7718411-1-BLK

Matrix: Solid

LCS Sample Id: 7718411-1-BKS

Prep Method: SW8015P

Date Prep: 12.31.2020

LCSD Sample Id: 7718411-1-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	871	87	810	81	70-130	7	20	mg/kg	01.04.2021 15:47	
Diesel Range Organics (DRO)	<50.0	1000	880	88	817	82	70-130	7	20	mg/kg	01.04.2021 15:47	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane	75		99		84		70-130	%	01.04.2021 15:47			
o-Terphenyl	88		84		79		70-130	%	01.04.2021 15:47			

Analytical Method: TPH By SW8015 Mod

Seq Number: 3146734

MB Sample Id: 7718333-1-BLK

Matrix: Solid

LCS Sample Id: 7718333-1-BKS

Prep Method: SW8015P

Date Prep: 12.31.2020

LCSD Sample Id: 7718333-1-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	966	97	946	95	70-130	2	20	mg/kg	12.31.2020 13:24	
Diesel Range Organics (DRO)	<50.0	1000	1060	106	1090	109	70-130	3	20	mg/kg	12.31.2020 13:24	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane	100		134	**	128		70-130	%	12.31.2020 13:24			
o-Terphenyl	101		115		110		70-130	%	12.31.2020 13:24			

Analytical Method: TPH By SW8015 Mod

Seq Number: 3147379

MB Sample Id: 7718853-1-BLK

Matrix: Solid

LCS Sample Id: 7718853-1-BKS

Prep Method: SW8015P

Date Prep: 01.08.2021

LCSD Sample Id: 7718853-1-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	984	98	968	97	70-130	2	20	mg/kg	01.09.2021 00:03	
Diesel Range Organics (DRO)	<50.0	1000	953	95	977	98	70-130	2	20	mg/kg	01.09.2021 00:03	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane	94		97		100		70-130	%	01.09.2021 00:03			
o-Terphenyl	102		95		100		70-130	%	01.09.2021 00:03			

Analytical Method: TPH By SW8015 Mod

Seq Number: 3146489

Matrix: Solid
MB Sample Id: 7718116-1-BLK

Prep Method: SW8015P

Date Prep: 12.29.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	12.29.2020 13:23	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C-A) / B$
 $RPD = 200 * |(C-E) / (C+E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

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

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



Tetra Tech- Midland Falcon Remediation

Analytical Method: TPH By SW8015 Mod

Seq Number: 3146640

Matrix: Solid

Prep Method: SW8015P

Date Prep: 12.29.2020

MB Sample Id: 7718122-1-BLK

Parameter

Motor Oil Range Hydrocarbons (MRO)

**MB
Result**

<50.0

Units

mg/kg

**Analysis
Date**

12.29.2020 22:12

Flag**Analytical Method: TPH By SW8015 Mod**

Seq Number: 3146436

Matrix: Solid

Prep Method: SW8015P

Date Prep: 12.29.2020

MB Sample Id: 7718119-1-BLK

Parameter

Motor Oil Range Hydrocarbons (MRO)

**MB
Result**

<50.0

Units

mg/kg

**Analysis
Date**

12.29.2020 22:48

Flag**Analytical Method: TPH By SW8015 Mod**

Seq Number: 3146642

Matrix: Solid

Prep Method: SW8015P

Date Prep: 12.29.2020

MB Sample Id: 7718124-1-BLK

Parameter

Motor Oil Range Hydrocarbons (MRO)

**MB
Result**

<50.0

Units

mg/kg

**Analysis
Date**

12.30.2020 06:57

Flag**Analytical Method: TPH By SW8015 Mod**

Seq Number: 3146648

Matrix: Solid

Prep Method: SW8015P

Date Prep: 12.29.2020

MB Sample Id: 7718206-1-BLK

Parameter

Motor Oil Range Hydrocarbons (MRO)

**MB
Result**

<50.0

Units

mg/kg

**Analysis
Date**

12.30.2020 20:06

Flag**Analytical Method: TPH By SW8015 Mod**

Seq Number: 3146478

Matrix: Solid

Prep Method: SW8015P

Date Prep: 12.30.2020

MB Sample Id: 7718200-1-BLK

Parameter

Motor Oil Range Hydrocarbons (MRO)

**MB
Result**

<50.0

Units

mg/kg

**Analysis
Date**

12.30.2020 14:28

Flag**Analytical Method: TPH By SW8015 Mod**

Seq Number: 3146731

Matrix: Solid

Prep Method: SW8015P

Date Prep: 12.31.2020

MB Sample Id: 7718411-1-BLK

Parameter

Motor Oil Range Hydrocarbons (MRO)

**MB
Result**

<50.0

Units

mg/kg

**Analysis
Date**

01.04.2021 15:29

Flag

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

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

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



Tetra Tech- Midland Falcon Remediation

Analytical Method: TPH By SW8015 Mod

Seq Number: 3146734

Matrix: Solid

Prep Method: SW8015P

Date Prep: 12.31.2020

MB Sample Id: 7718333-1-BLK

Parameter

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	12.31.2020 13:01	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3147379

Matrix: Solid

Prep Method: SW8015P

Date Prep: 01.08.2021

MB Sample Id: 7718853-1-BLK

Parameter

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.08.2021 23:41	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3146489

Matrix: Soil

Prep Method: SW8015P

Date Prep: 12.29.2020

Parent Sample Id: 682377-027

MS Sample Id: 682377-027 S

MSD Sample Id: 682377-027 SD

Parameter

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	1100	110	<50.0	0	70-130	200	20	mg/kg	12.29.2020 14:42	XF
Diesel Range Organics (DRO)	<49.9	997	889	89	20.4	2	70-130	191	20	mg/kg	12.29.2020 14:42	XF

Surrogate

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	87		0	**	70-130	%	12.29.2020 14:42
o-Terphenyl	95		0	**	70-130	%	12.29.2020 14:42

Analytical Method: TPH By SW8015 Mod

Seq Number: 3146640

Matrix: Soil

Prep Method: SW8015P

Date Prep: 12.29.2020

Parent Sample Id: 682752-001

MS Sample Id: 682752-001 S

MSD Sample Id: 682752-001 SD

Parameter

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)	53.9	997	751	70	929	88	70-130	21	20	mg/kg	12.29.2020 23:31	F
Diesel Range Organics (DRO)	<49.9	997	955	96	1060	106	70-130	10	20	mg/kg	12.29.2020 23:31	

Surrogate

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	35	**	115		70-130	%	12.29.2020 23:31
o-Terphenyl	104		104		70-130	%	12.29.2020 23:31

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

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

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

Tetra Tech- Midland

Falcon Remediation

Analytical Method: TPH By SW8015 Mod

Seq Number: 3146436

Parent Sample Id: 682752-058

Matrix: Soil

MS Sample Id: 682752-058 S

Prep Method: SW8015P

Date Prep: 12.29.2020

MSD Sample Id: 682752-058 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	998	1240	124	2350	235	70-130	62	20	mg/kg	12.30.2020 00:19	XF
Diesel Range Organics (DRO)	<49.9	998	952	95	966	97	70-130	1	20	mg/kg	12.30.2020 00:19	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	102		115		70-130	%	12.30.2020 00:19
o-Terphenyl	93		93		70-130	%	12.30.2020 00:19

Analytical Method: TPH By SW8015 Mod

Seq Number: 3146642

Parent Sample Id: 682752-025

Matrix: Soil

MS Sample Id: 682752-025 S

Prep Method: SW8015P

Date Prep: 12.29.2020

MSD Sample Id: 682752-025 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	1320	132	1030	103	70-130	25	20	mg/kg	12.30.2020 08:15	XF
Diesel Range Organics (DRO)	50.0	997	990	94	950	90	70-130	4	20	mg/kg	12.30.2020 08:15	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	83		78		70-130	%	12.30.2020 08:15
o-Terphenyl	109		113		70-130	%	12.30.2020 08:15

Analytical Method: TPH By SW8015 Mod

Seq Number: 3146648

Parent Sample Id: 682752-089

Matrix: Soil

MS Sample Id: 682752-089 S

Prep Method: SW8015P

Date Prep: 12.29.2020

MSD Sample Id: 682752-089 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)	167	998	905	74	899	73	70-130	1	20	mg/kg	12.30.2020 21:24	
Diesel Range Organics (DRO)	2220	998	2730	51	2730	51	70-130	0	20	mg/kg	12.30.2020 21:24	X

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	165	**	164	**	70-130	%	12.30.2020 21:24
o-Terphenyl	200	**	82		70-130	%	12.30.2020 21:24

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

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

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



Tetra Tech- Midland

Falcon Remediation

Analytical Method: TPH By SW8015 Mod

Seq Number: 3146478

Parent Sample Id: 682902-001

Matrix: Soil

MS Sample Id: 682902-001 S

Prep Method: SW8015P

Date Prep: 12.30.2020

MSD Sample Id: 682902-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1220	122	1150	115	70-130	6	20	mg/kg	12.30.2020 16:00	
Diesel Range Organics (DRO)	53.2	1000	1020	97	1080	103	70-130	6	20	mg/kg	12.30.2020 16:00	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	194	**	165	**	70-130	%	12.30.2020 16:00
o-Terphenyl	160	**	129		70-130	%	12.30.2020 16:00

Analytical Method: TPH By SW8015 Mod

Seq Number: 3146731

Parent Sample Id: 682752-175

Matrix: Soil

MS Sample Id: 682752-175 S

Prep Method: SW8015P

Date Prep: 12.31.2020

MSD Sample Id: 682752-175 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	998	948	95	973	98	70-130	3	20	mg/kg	01.04.2021 16:42	
Diesel Range Organics (DRO)	<49.9	998	984	99	1000	100	70-130	2	20	mg/kg	01.04.2021 16:42	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	109		103		70-130	%	01.04.2021 16:42
o-Terphenyl	101		101		70-130	%	01.04.2021 16:42

Analytical Method: TPH By SW8015 Mod

Seq Number: 3146734

Parent Sample Id: 682752-098

Matrix: Soil

MS Sample Id: 682752-098 S

Prep Method: SW8015P

Date Prep: 12.31.2020

MSD Sample Id: 682752-098 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	947	95	1010	101	70-130	6	20	mg/kg	12.31.2020 14:34	
Diesel Range Organics (DRO)	<49.9	997	986	99	993	99	70-130	1	20	mg/kg	12.31.2020 14:34	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	127		118		70-130	%	12.31.2020 14:34
o-Terphenyl	103		96		70-130	%	12.31.2020 14:34

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

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

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



Tetra Tech- Midland

Falcon Remediation

Analytical Method: TPH By SW8015 Mod

Seq Number: 3147379

Parent Sample Id: 683755-002

Matrix: Soil

MS Sample Id: 683755-002 S

Prep Method: SW8015P

Date Prep: 01.08.2021

MSD Sample Id: 683755-002 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	968	97	931	93	70-130	4	20	mg/kg	01.09.2021 01:08	
Diesel Range Organics (DRO)	<49.9	997	977	98	914	92	70-130	7	20	mg/kg	01.09.2021 01:08	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	92		89		70-130	%	01.09.2021 01:08
o-Terphenyl	94		86		70-130	%	01.09.2021 01:08

Analytical Method: BTEX by EPA 8021B

Seq Number: 3146363

MB Sample Id: 7718144-1-BLK

Matrix: Solid

LCS Sample Id: 7718144-1-BKS

Prep Method: SW5035A

Date Prep: 12.29.2020

LCSD Sample Id: 7718144-1-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	0.0854	85	0.0845	85	70-130	1	35	mg/kg	12.29.2020 16:00	
Toluene	<0.00200	0.100	0.0805	81	0.0901	90	70-130	11	35	mg/kg	12.29.2020 16:00	
Ethylbenzene	<0.00200	0.100	0.0936	94	0.0836	84	70-130	11	35	mg/kg	12.29.2020 16:00	
m,p-Xylenes	<0.00400	0.200	0.190	95	0.168	84	70-130	12	35	mg/kg	12.29.2020 16:00	
o-Xylene	<0.00200	0.100	0.0950	95	0.0878	88	70-130	8	35	mg/kg	12.29.2020 16:00	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	89		95		90		70-130	%	12.29.2020 16:00
4-Bromofluorobenzene	74		111		107		70-130	%	12.29.2020 16:00

Analytical Method: BTEX by EPA 8021B

Seq Number: 3146468

MB Sample Id: 7718212-1-BLK

Matrix: Solid

LCS Sample Id: 7718212-1-BKS

Prep Method: SW5035A

Date Prep: 12.30.2020

LCSD Sample Id: 7718212-1-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	0.0896	90	0.0923	92	70-130	3	35	mg/kg	12.30.2020 09:51	
Toluene	<0.00200	0.100	0.0982	98	0.101	101	70-130	3	35	mg/kg	12.30.2020 09:51	
Ethylbenzene	<0.00200	0.100	0.0994	99	0.103	103	70-130	4	35	mg/kg	12.30.2020 09:51	
m,p-Xylenes	<0.00400	0.200	0.202	101	0.208	104	70-130	3	35	mg/kg	12.30.2020 09:51	
o-Xylene	<0.00200	0.100	0.102	102	0.105	105	70-130	3	35	mg/kg	12.30.2020 09:51	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	93		102		104		70-130	%	12.30.2020 09:51
4-Bromofluorobenzene	76		115		114		70-130	%	12.30.2020 09:51

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

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

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



Tetra Tech- Midland Falcon Remediation

Analytical Method: BTEX by EPA 8021B

Seq Number: 3146700

Matrix: Solid

Prep Method: SW5035A

Date Prep: 12.30.2020

MB Sample Id: 7718412-1-BLK

LCS Sample Id: 7718412-1-BKS

LCSD Sample Id: 7718412-1-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	0.0754	75	0.0800	80	70-130	6	35	mg/kg	12.30.2020 09:29	
Toluene	<0.00200	0.100	0.0743	74	0.0789	79	70-130	6	35	mg/kg	12.30.2020 09:29	
Ethylbenzene	<0.00200	0.100	0.0793	79	0.0844	84	70-130	6	35	mg/kg	12.30.2020 09:29	
m,p-Xylenes	<0.00400	0.200	0.160	80	0.170	85	70-130	6	35	mg/kg	12.30.2020 09:29	
o-Xylene	<0.00200	0.100	0.0812	81	0.0866	87	70-130	6	35	mg/kg	12.30.2020 09:29	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	92		98		98		70-130	%	12.30.2020 09:29
4-Bromofluorobenzene	105		101		101		70-130	%	12.30.2020 09:29

Analytical Method: BTEX by EPA 8021B

Seq Number: 3146363

Matrix: Soil

Prep Method: SW5035A

Date Prep: 12.29.2020

Parent Sample Id: 682752-118

MS Sample Id: 682752-118 S

MSD Sample Id: 682752-118 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0992	0.0819	83	0.0880	87	70-130	7	35	mg/kg	12.29.2020 16:56	
Toluene	<0.00198	0.0992	0.0895	90	0.0885	88	70-130	1	35	mg/kg	12.29.2020 16:56	
Ethylbenzene	<0.00198	0.0992	0.0895	90	0.0935	93	70-130	4	35	mg/kg	12.29.2020 16:56	
m,p-Xylenes	<0.00397	0.198	0.181	91	0.189	94	70-130	4	35	mg/kg	12.29.2020 16:56	
o-Xylene	<0.00198	0.0992	0.0900	91	0.0987	98	70-130	9	35	mg/kg	12.29.2020 16:56	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		104		70-130	%	12.29.2020 16:56
4-Bromofluorobenzene	118		110		70-130	%	12.29.2020 16:56

Analytical Method: BTEX by EPA 8021B

Seq Number: 3146468

Matrix: Soil

Prep Method: SW5035A

Date Prep: 12.30.2020

Parent Sample Id: 682752-046

MS Sample Id: 682752-046 S

MSD Sample Id: 682752-046 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	0.0994	0.0709	71	0.0910	92	70-130	25	35	mg/kg	12.30.2020 10:43	
Toluene	<0.00199	0.0994	0.0774	78	0.0997	101	70-130	25	35	mg/kg	12.30.2020 10:43	
Ethylbenzene	<0.00199	0.0994	0.0727	73	0.0918	93	70-130	23	35	mg/kg	12.30.2020 10:43	
m,p-Xylenes	<0.00398	0.199	0.148	74	0.188	95	70-130	24	35	mg/kg	12.30.2020 10:43	
o-Xylene	<0.00199	0.0994	0.0747	75	0.0954	96	70-130	24	35	mg/kg	12.30.2020 10:43	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	96		101		70-130	%	12.30.2020 10:43
4-Bromofluorobenzene	96		132	**	70-130	%	12.30.2020 10:43

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

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

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



Tetra Tech- Midland

Falcon Remediation

Analytical Method: BTEX by EPA 8021B

Seq Number: 3146700

Parent Sample Id: 682811-013

Matrix: Soil

MS Sample Id: 682811-013 S

Prep Method: SW5035A

Date Prep: 12.30.2020

MSD Sample Id: 682811-013 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	0.0994	0.0682	69	0.0632	63	70-130	8	35	mg/kg	12.30.2020 10:10	X
Toluene	<0.00199	0.0994	0.0574	58	0.0503	50	70-130	13	35	mg/kg	12.30.2020 10:10	X
Ethylbenzene	<0.00199	0.0994	0.0499	50	0.0410	41	70-130	20	35	mg/kg	12.30.2020 10:10	X
m,p-Xylenes	<0.00398	0.199	0.0993	50	0.0816	40	70-130	20	35	mg/kg	12.30.2020 10:10	X
o-Xylene	<0.00199	0.0994	0.0509	51	0.0418	41	70-130	20	35	mg/kg	12.30.2020 10:10	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		101		70-130	%	12.30.2020 10:10
4-Bromofluorobenzene	107		102		70-130	%	12.30.2020 10:10

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

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

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

Analysis Request of Chain of Custody Record

**Tetra Tech, Inc.**901 W Wall St. Suite 100
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682752

Client Name: EnLink		Site Manager: Brittany Long	
Project Name: Falcon Remediation			
Project Location: (county, state) Eddy County, New Mexico		Project #: 212C-MD-02376	
Invoice to: Mike Luckett, EnLink			
Receiving Laboratory: Xenco		Sampler Signature: Conner Moehring	
Comments:			

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)	LAB USE ONLY	REMARKS:	
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE						
									YEAR					
	Trench-1 (0-1')	12/15/2020		X				X			1			
	Trench-1 (1')	12/15/2020		X				X			1			
	Trench-1 (2')	12/15/2020		X				X			1			
	Trench-1 (3')	12/15/2020		X				X			1			
	Trench-1 (4')	12/15/2020		X				X			1			
	Trench-2 (0-1')	12/15/2020		X				X			1			
	Trench-2 (1')	12/15/2020		X				X			1			
	Trench-2 (2')	12/15/2020		X				X			1			
	Trench-2 (3')	12/15/2020		X				X			1			
	Trench-2 (4')	12/15/2020		X				X			1			

LAB USE ONLY		REMARKS:
3.5		STANDARD

Relinquished by: _____	Date: _____	Time: _____	Received by: _____	Date: _____	Time: _____
Relinquished by: _____	Date: _____	Time: _____	Received by: _____	Date: _____	Time: _____
Relinquished by: _____	Date: _____	Time: _____	Received by: _____	Date: _____	Time: _____

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(Circle or Specify Method No.)
ANALYSIS REQUEST

BTEX 8021B BTEX 8260B
 TPH TX1005 (Ext to C35)
 TPH 8015M (GRO - DRO - ORO - MRO)
 PAH 8270C
 Total Metals Ag As Ba Cd Cr Pb Se Hg
 TCLP Metals Ag As Ba Cd Cr Pb Se Hg
 TCLP Volatiles
 TCLP Semi Volatiles
 RCI
 GC/MS Vol. 8260B / 624
 GC/MS Semi. Vol. 8270C/625
 PCB's 8082 / 608
 NORM
 PLM (Asbestos)
 Chloride
 Chloride Sulfate TDS
 General Water Chemistry (see attached list)
 Anion/Cation Balance

Hold

Analysis Request of Chain of Custody Record

Page 2 of 22



Tetra Tech, Inc.

 901 W. Wall St., Suite 100
 Midland, Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-3946

Client Name: EnLink		Site Manager: Brittany Long	
Project Name: Falcon Remediation			
Project Location: (county, state) Eddy County, New Mexico		Project #: 212C-MD-02376	
Invoice to: Mike Luckett, EnLink			
Receiving Laboratory: Xenco		Sampler Signature: Conner Moehring	
Comments:			

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)	LAB USE ONLY	REMARKS:
		YEAR:	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE				
	Trench-3 (0-1')		12/21/2020		X		X				1		
	Trench-3 (1')		12/21/2020		X		X				1		
	Trench-3 (2')		12/21/2020		X		X				1		
	Trench-3 (3')		12/21/2020		X		X				1		
	Trench-3 (4')		12/21/2020		X		X				1		
	Trench-4 (0-1')		12/21/2020		X		X				1		
	Trench-4 (1')		12/21/2020		X		X				1		
	Trench-4 (2')		12/21/2020		X		X				1		
	Trench-4 (3')		12/21/2020		X		X				1		
	Trench-4 (4')		12/21/2020		X		X				1		

BTEX 8021B BTEX 8260B TPH TX1005 (Ext to C35) TPH 8015M (GRO - DRO - ORO - MRO) PAH 8270C Total Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles TCLP Semi Volatiles RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) Chloride Chloride Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance	(Circle or Specify Method No.) ANALYSIS REQUEST
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Relinquished by: <i>Benjamin McFarling</i> Date: 12/24/20 Time: <i>10:29:12a</i> 8:54 Relinquished by: <i>MLC</i> Date: 12/29/20 Time: 8:54 Relinquished by: Date: Time: Relinquished by: Date: Time:	Received by: Date: Time: Received by: Date: Time:
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☐ Rush Charges Authorized
☐ Special Report Limits or TRRP Report

☐ RUSH: Same Day 24 hr 48 hr 72 hr



Sire Manager:
Brittany Long

Brittany Long

Project #: 212C-MD-02376

Sampler Signature: Conner Moehring

ANALYSIS REQUEST
(Circle or Specify Method No.)

Received by:	Date:	Time:
<i>[Signature]</i>	12/29/20	8:54
Received by:	Date:	Time:

Received by: _____ Date: _____ Time: _____

REMARKS: STANDARD

☐ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

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Hold

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Analysis Request of Chain of Custody Record

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Tetra Tech, Inc.

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 Midland, Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-3946

Client Name: EnLink		Site Manager: Brittany Long	
Project Name: Falcon Remediation			
Project Location: (county, state) Eddy County, New Mexico		Project #: 212C-MD-02376	
Invoice to: Mike Luckett, EnLink			
Receiving Laboratory: Xenco		Sampler Signature: Conner Moehring	
Comments:			

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE			
									YEAR		
	Trench-8 (4')	12/21/2020		X		X				1	
	Trench-8 (5')	12/21/2020		X		X				1	
	Trench-9 (0-1')	12/21/2020		X		X				1	
	Trench-9 (1')	12/21/2020		X		X				1	
	Trench-9 (2')	12/21/2020		X		X				1	
	Trench-9 (3')	12/21/2020		X		X				1	
	Trench-9 (4')	12/21/2020		X		X				1	
	Trench-9 (5')	12/21/2020		X		X				1	
	Trench-10 (0-1')	12/21/2020		X		X				1	
	Trench-10 (1')	12/21/2020		X		X				1	

LAB USE ONLY		REMARKS:
Sample Temperature		
		BTEX 8021B BTEX 8260B TPH TX1005 (Ext to C35) TPH 8015M (GRO - DRO - ORO - MRO) PAH 8270C Total Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles TCLP Semi Volatiles RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) Chloride Chloride Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance Hold

Relinquished by: <i>Deanne mycobury</i> 12/21/20	Date: 12/21/20	Time: 8:58
Relinquished by: <i>ASAC</i> 12/29/20	Date: 12/29/20	Time:
Relinquished by:	Date:	Time:
Received by:	Date:	Time:

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☐ Rush Charges Authorized
☐ Special Report Limits or TRRP Report

☐ RUSH: Same Day 24 hr 48 hr 72 hr

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Analysis Request of Chain of Custody Record

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Tetra Tech, Inc.

 901 W Wall St, Suite 100
 Midland, Texas 79701
 Tel (432) 682-4539
 Fax (432) 682-5946

Client Name: EnLink		Site Manager: Brittany Long	
Project Name: Falcon Remediation			
Project Location: (county, state) Eddy County, New Mexico		Project #: 212C-MD-02376	
Invoice to: Mike Luckett, EnLink			
Receiving Laboratory: Xenco		Sampler Signature: Conner Moehring	
Comments:			

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)	
		DATE	TIME	WATER	SOIL	HCL	HNO ₃			ICE
	Trench-12 (2)	12/21/2020		X		X		1		
	Trench-12 (3)	12/21/2020		X		X		1		
	Trench-12 (4)	12/21/2020		X		X		1		
	Trench-12 (5)	12/21/2020		X		X		1		
	Trench-12 (6)	12/21/2020		X		X		1		
	Trench-13 (0-1)	12/21/2020		X		X		1		
	Trench-13 (1)	12/21/2020		X		X		1		
	Trench-13 (2)	12/21/2020		X		X		1		
	Trench-13 (3)	12/21/2020		X		X		1		
	Trench-13 (4)	12/21/2020		X		X		1		

LAB USE ONLY	REMARKS:
	Retinquished by: <i>Veronica</i> Date: 12/24/20 Time: <i>2:57</i>
	Retinquished by: <i>Veronica</i> Date: 12/24/20 Time: <i>2:57</i>
	Retinquished by: _____ Date: _____ Time: _____

(Circle) HAND DELIVERED ☐ Rush Charges Authorized ☐ Special Report Limits or TRRP Report	FEDEX UPS Tracking #: _____ RUSH: Same Day 24 hr 48 hr 72 hr
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ANALYSIS REQUEST

(Circle or Specify Method No.)

 BTEX 8021B BTEX 8260B
 TPH TX1005 (Ext to C35)
 TPH 8015M (GRO - DRO - ORO - MRO)
 PAH 8270C
 Total Metals Ag As Ba Cd Cr Pb Se Hg
 TCLP Metals Ag As Ba Cd Cr Pb Se Hg
 TCLP Volatiles
 TCLP Semi Volatiles
 RCI
 GC/MS Vol. 8260B / 624
 GC/MS Semi. Vol. 8270C/625
 PCB's 8082 / 608
 NORM
 PLM (Asbestos)
 Chloride
 Chloride Sulfate TDS
 General Water Chemistry (see attached list)
 Anion/Cation Balance

Hold

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Analysis Request of Chain of Custody Record

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Tetra Tech, Inc.

 901 W. Wall St. Suite 100
 Midland, Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-3946

Client Name: EnLink

Site Manager: Brittany Long

Project Name: Falcon Remediation

Project Location: (county, state) Eddy County, New Mexico

Project #:

212C-MD-02376

Invoice to: Mike Luckett, EnLink

Receiving Laboratory: Xenco

Sampler Signature: Conner Moehring

Comments:

SAMPLE IDENTIFICATION

LAB # (LAB USE ONLY)	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)
	DATE	TIME	WATER	SOIL	HCL	HNO ₃		

Trench-16 (4)	12/21/2020		X					1	
Trench-17 (0-1')	12/21/2020		X					1	
Trench-17 (1')	12/21/2020		X					1	
Trench-17 (2')	12/21/2020		X					1	
Trench-17 (3')	12/21/2020		X					1	
Trench-17 (4')	12/21/2020		X					1	
Trench-17 (5')	12/21/2020		X					1	
Trench-17 (6')	12/21/2020		X					1	
Trench-17 (7')	12/21/2020		X					1	
Trench-18 (0-1')	12/21/2020		X					1	

 Relinquished by: *Conner Moehring*
 Date: 12/21/20
 Time:

 Received by: *Brittany Long*
 Date: 12/29/20
 Time: 8:55

Relinquished by: Date: Time:

Received by: Date: Time:

ANALYSIS REQUEST

(Circle or Specify Method No.)

 BTEX 8021B BTEX 8260B
 TPH TX1005 (Ext to C35)
 TPH 8015M (GRO - DRO - ORO - MRO)
 PAH 8270C
 Total Metals Ag As Ba Cd Cr Pb Se Hg
 TCLP Metals Ag As Ba Cd Cr Pb Se Hg
 TCLP Volatiles
 TCLP Semi Volatiles
 RCI
 GC/MS Vol. 8260B / 624
 GC/MS Semi. Vol. 8270C/625
 PCB's 8082 / 608
 NORM
 PLM (Asbestos)
 Chloride
 Chloride Sulfate TDS
 General Water Chemistry (see attached list)
 Anion/Cation Balance

Hold

LAB USE ONLY

REMARKS:

STANDARD

☐ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

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Analysis Request of Chain of Custody Record

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Tetra Tech, Inc.

 901 W Wall St, Suite 100
 Midland Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-3946

Client Name: Enlink		Site Manager: Brittany Long	
Project Name: Falcon Remediation			
Project Location: (county, state) Eddy County, New Mexico		Project #: 212C-MD-02376	
Invoice to: Mike Luckett, Enlink			
Receiving Laboratory: Xenco		Sampler Signature: Conner Moehring	
Comments:			

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)		
		YEAR:	DATE	TIME	WATER	SOIL	HCL			HNO ₃	ICE
	Trench-18 (1)		12/21/2020		X		X		1		
	Trench-18 (2)		12/21/2020		X		X		1		
	Trench-18 (3)		12/21/2020		X		X		1		
	Trench-18 (4)		12/21/2020		X		X		1		
	Trench-19 (0-1)		12/22/2020		X		X		1		
	Trench-19 (1)		12/22/2020		X		X		1		
	Trench-19 (2)		12/22/2020		X		X		1		
	Trench-19 (3)		12/22/2020		X		X		1		
	Trench-19 (4)		12/22/2020		X		X		1		
	Trench-19 (5)		12/22/2020		X		X		1		

LAB USE ONLY	REMARKS:
☐ RUSH: Same Day 24 hr 48 hr 72 hr ☐ Rush Charges Authorized ☐ Special Report Limits or TRRP Report	(Circle or Specify Method No.) BTEX 8021B BTEX 8260B TPH TX1005 (Ext to C35) TPH 8015M (GRO - DRO - ORO - MRO) PAH 8270C Total Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles TCLP Semi Volatiles RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) Chloride Chloride Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance Hold

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Analysis Request of Custody Record



Tetra Tech, Inc.

901 W. Wall St. Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: EnLink		Site Manager: Brittany Long									
Project Name: Falcon Remediation											
Project Location: (county, state) Eddy County, New Mexico		Project #: 212C-MD-02376									
Invoice to: Mike Luckett, EnLink											
Receiving Laboratory: Xenco		Sampler Signature: Conner Moehring									
Comments:											
LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX	PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)			
		YEAR:	DATE		TIME	WATER			SOIL	HCL	HNO ₃
	Trench-19 (6)		12/22/2020		X		X		1		X
	Trench-20 (0-1')		12/22/2020		X		X		1		X
	Trench-20 (1')		12/22/2020		X		X		1		X
	Trench-20 (2')		12/22/2020		X		X		1		X
	Trench-20 (3')		12/22/2020		X		X		1		X
	Trench-20 (4')		12/22/2020		X		X		1		X
	Trench-20 (5')		12/22/2020		X		X		1		X
	Trench-20 (6')		12/22/2020		X		X		1		X
	Trench-21 (0-1')		12/22/2020		X		X		1		X
	Trench-21 (1')		12/22/2020		X		X		1		X
Relinquished by: <i>[Signature]</i> Date: 12/24/20 Time:		Received by: <i>[Signature]</i> Date: 12/29/20 Time:		LAB USE ONLY		REMARKS:		Sample Temperature		LAB USE ONLY	
Relinquished by:		Received by:									
Relinquished by:		Received by:									

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(Circle) HAND DELIVERED FEDEX UPS Tracking #:

- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

☐ RUSH: Same Day 24 hr 48 hr 72 hr

STANDARD

ANALYSIS REQUEST
(Circle or Specify Method No.)

Hold

Analysis Request of Chain of Custody Record



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Analysis Request of Chain of Custody Record

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Tetra Tech, Inc.

 901 W Wall St, Suite 100
 Midland, Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-3946

Client Name:		EnLink		Site Manager:		Brittany Long	
Project Name:		Falcon Remediation					
Project Location:		(county, state) Eddy County, New Mexico		Project #:		212C-MD-02376	
Invoice to:		Mike Luckett, EnLink					
Receiving Laboratory:		Xenco		Sampler Signature:		Conner Moehring	
Comments:							

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)		
		YEAR:	DATE	TIME	WATER	SOIL	HCL			HNO ₃	ICE
	Trench-22 (5')		12/22/2020		X		X		1		
	Trench-22 (6')		12/22/2020		X		X		1		
	Trench-22 (7')		12/22/2020		X		X		1		
	Trench-23 (0-1')		12/22/2020		X		X		1		
	Trench-23 (1')		12/22/2020		X		X		1		
	Trench-23 (2')		12/22/2020		X		X		1		
	Trench-23 (3')		12/22/2020		X		X		1		
	Trench-23 (4')		12/22/2020		X		X		1		
	Trench-23 (5')		12/22/2020		X		X		1		
	Trench-23 (6')		12/22/2020		X		X		1		

LAB USE ONLY	REMARKS:
☐ RUSH: Same Day 24 hr 48 hr 72 hr ☐ Rush Charges Authorized ☐ Special Report Limits or TRRP Report	(Circle or Specify Method No.) ANALYSIS REQUEST BTEX 8021B BTEX 8260B TPH TX1005 (Ext to C35) TPH 8015M (GRO - DRO - ORO - MRO) PAH 8270C Total Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles TCLP Semi Volatiles RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) Chloride Chloride Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance Hold

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(Circle) HAND DELIVERED FEDEX UPS Tracking #:

Final 1.001

Analysis Request of Custody Record

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Tetra Tech, Inc.

 901 W Wall St, Suite 100
 Midland, Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-3946

Client Name: EnLink		Site Manager: Brittany Long	
Project Name: Falcon Remediation			
Project Location: (county, state) Eddy County, New Mexico		Project #: 212C-MD-02376	
Invoice to: Mike Luckett, EnLink			
Receiving Laboratory: Xenco		Sampler Signature: Conner Moehring	
Comments:			

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)	
		YEAR:	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE			
	Trench-25 (3)		12/15/2020		X		X				1	
	Trench-25 (4)		12/15/2020		X		X				1	
	Trench-26 (0-1')		12/15/2020		X		X				1	
	Trench-26 (1')		12/15/2020		X		X				1	
	Trench-26 (2)		12/15/2020		X		X				1	
	Trench-26 (3)		12/15/2020		X		X				1	
	Trench-26 (4)		12/15/2020		X		X				1	
	Trench-27 (0-1')		12/21/2020		X		X				1	
	Trench-27 (1')		12/21/2020		X		X				1	
	Trench-27 (2)		12/21/2020		X		X				1	

LAB USE ONLY	REMARKS:
	BTEX 8021B BTEX 8260B TPH TX1005 (Ext to C35) TPH 8015M (GRO - DRO - ORO - MRO) PAH 8270C Total Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles TCLP Semi Volatiles RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) Chloride Chloride Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance

Relinquished by: <i>Ben McLeary</i> 12/24/20	Date: 12-24-20	Time: 8:51
Relinquished by: <i>[Signature]</i>	Date: 12-24-20	Time: 8:51
Relinquished by: _____	Date: _____	Time: _____
Received by: _____	Date: _____	Time: _____

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(Circle) HAND DELIVERED FEDEX UPS Tracking #:

☐ Rush Charges Authorized
☐ Special Report Limits or TRRP Report

☐ RUSH: Same Day 24 hr 48 hr 72 hr

LAB USE ONLY

REMARKS:

STANDARD

Analysis Request of Custody Record

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Tetra Tech, Inc.

 901 W Wall St. Suite 100
 Midland, Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-3946

Client Name: EnLink		Site Manager: Brittany Long	
Project Name: Falcon Remediation			
Project Location: (county, state) Eddy County, New Mexico		Project #: 212C-MD-02376	
Invoice to: Mike Luckett, EnLink			
Receiving Laboratory: Xenco		Sampler Signature: Conner Moehring	
Comments:			

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE			
									YEAR		
	Trench-27 (3)	12/21/2020		X		X				1	
	Trench-27 (4)	12/21/2020		X		X				1	
	Trench-28 (0-1')	12/15/2020		X		X				1	
	Trench-28 (1')	12/15/2020		X		X				1	
	Trench-28 (2')	12/15/2020		X		X				1	
	Trench-28 (3')	12/15/2020		X		X				1	
	Trench-28 (4')	12/15/2020		X		X				1	
	Trench-29 (0-1')	12/21/2020		X		X				1	
	Trench-29 (1')	12/21/2020		X		X				1	
	Trench-29 (2')	12/21/2020		X		X				1	

Relinquished by: <i>Ben M. Lacey</i>	Date: 12/29/20	Time:
Relinquished by: <i>ATC</i>	Date: 12-29-20	Time: 8:54
Relinquished by:	Date:	Time:
Received by:	Date:	Time:

LAB USE ONLY	REMARKS:
☐ RUSH: Same Day 24 hr 48 hr 72 hr ☐ Rush Charges Authorized ☐ Special Report Limits or TRRP Report	(Circle or Specify Method No.) BTEX 8021B BTEX 8260B TPH TX1005 (Ext to C35) TPH 8015M (GRO - DRO - ORO - MRO) PAH 8270C Total Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles TCLP Semi Volatiles RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) Chloride Chloride Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance Hold

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(Circle) HAND DELIVERED FEDEX UPS Tracking #:

Analysis Request of Chain of Custody Record

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Tetra Tech, Inc.

 901 W. Wall St. Suite 100
 Midland, Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-3946

Client Name: EnLink		Site Manager: Brittany Long	
Project Name: Falcon Remediation		Project #: 212C-MD-02376	
Project Location: (county, state) Eddy County, New Mexico		Project #: 212C-MD-02376	
Invoice to: Mike Luckett, EnLink		Sampler Signature: Conner Moehring	
Receiving Laboratory: Xenco		Comments:	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE			
									YEAR:		
	Trench-29 (3)	12/21/2020		X	X	X				1	
	Trench-29 (4)	12/21/2020		X	X	X				1	
	Trench-29 (5)	12/21/2020		X	X	X				1	
	Trench-29 (6)	12/21/2020		X	X	X				1	
	Trench-29 (7)	12/21/2020		X	X	X				1	
	Trench-29 (8)	12/21/2020		X	X	X				1	
	Trench-29 (9)	12/21/2020		X	X	X				1	
	Trench-29 (10)	12/21/2020		X	X	X				1	
	Trench-30 (0-1')	12/21/2020		X	X	X				1	
	Trench-30 (1')	12/21/2020		X	X	X				1	

LAB USE ONLY	REMARKS:
☐ RUSH: Same Day 24 hr 48 hr 72 hr ☐ Rush Charges Authorized ☐ Special Report Limits or TRRP Report	(Circle or Specify Method No.) BTEX 8021B BTEX 8260B TPH TX1005 (Ext to C35) TPH 8015M (GRO - DRO - ORO - MRO) PAH 8270C Total Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles TCLP Semi Volatiles RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) Chloride Chloride Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance Hold

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(Circle) HAND DELIVERED FEDEX UPS Tracking #:

Analysis Request of Chain of Custody Record

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Tetra Tech, Inc.

 901 W. Wall St. Suite 100
 Midland, Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-3946

Client Name: EnLink		Site Manager: Brittany Long	
Project Name: Falcon Remediation			
Project Location: (county, state) Eddy County, New Mexico		Project #: 212C-MD-02376	
Invoice to: Mike Luckett, EnLink			
Receiving Laboratory: Xenco		Sampler Signature: Conner Moehring	
Comments:			

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)		
		YEAR:	DATE	TIME	WATER	SOIL	HCL			HNO ₃	ICE
	Trench-30 (2)		12/21/2020		X		X		1		
	Trench-30 (3)		12/21/2020		X		X		1		
	Trench-30 (4)		12/21/2020		X		X		1		
	Trench-30 (5)		12/21/2020		X		X		1		
	Trench-31 (0-1)		12/15/2020		X		X		1		
	Trench-31 (1)		12/15/2020		X		X		1		
	Trench-31 (2)		12/15/2020		X		X		1		
	Trench-31 (3)		12/15/2020		X		X		1		
	Trench-31 (4)		12/15/2020		X		X		1		
	Trench-32 (0-1)		12/21/2020		X		X		1		

LAB USE ONLY	REMARKS:
	Relinquished by: <i>Conner Moehring</i> Date: 12/24/20 Time: <i>12:29:30</i> d.s.s
	Relinquished by: <i>[Signature]</i> Date: <i>12-29-20</i> Time: <i>6:54</i>
	Relinquished by: Date: Time:
	Received by: Date: Time:
	Received by: Date: Time:

ANALYSIS REQUEST (Circle or Specify Method No.)	
☐	BTEX 8021B BTEX 8260B
☐	TPH TX1005 (Ext to C35)
☐	TPH 8015M (GRO - DRO - ORO - MRO)
☐	PAH 8270C
☐	Total Metals Ag As Ba Cd Cr Pb Se Hg
☐	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
☐	TCLP Volatiles
☐	TCLP Semi Volatiles
☐	RCI
☐	GC/MS Vol. 8260B / 624
☐	GC/MS Semi. Vol. 8270C/625
☐	PCB's 8082 / 608
☐	NORM
☐	PLM (Asbestos)
☐	Chloride
☐	Chloride Sulfate TDS
☐	General Water Chemistry (see attached list)
☐	Anion/Cation Balance
☐	Hold

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

☐ Rush Charges Authorized
☐ Special Report Limits or TRRP Report

☐ RUSH: Same Day 24 hr 48 hr 72 hr

Analysis Request of Chain of Custody Record

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Tetra Tech, Inc.

 901 W Wall St, Suite 100
 Midland, Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-3946

Client Name: EnLink		Site Manager: Brittany Long	
Project Name: Falcon Remediation			
Project Location: Eddy County, New Mexico		Project #: 212C-MD-02376	
Invoice to: Mike Luckett, EnLink			
Receiving Laboratory: Xenco		Sampler Signature: Conner Moehring	
Comments:			

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX	PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)
		DATE	TIME		WATER	SOIL	HCL	HNO ₃		
	Trench-32 (1')	12/21/2020		X		X			1	
	Trench-32 (2)	12/22/2020		X		X			1	
	Trench-32 (3)	12/23/2020		X		X			1	
	Trench-32 (4)	12/24/2020		X		X			1	
	H-1 (0-1')	12/16/2020		X		X			1	
	H-2 (0-1')	12/16/2020		X		X			1	
	H-3 (0-1')	12/16/2020		X		X			1	
	H-4 (0-1')	12/16/2020		X		X			1	
	H-5 (0-1')	12/16/2020		X		X			1	
	H-6 (0-1')	12/16/2020		X		X			1	

Relinquished by: <i>Don myceling</i>	Date: 12/24/20	Time:	Received by: <i>[Signature]</i>	Date: 12-29-20	Time: 8:54
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY	REMARKS:
☐ Rush Charges Authorized ☐ Special Report Limits or TRRP Report	BTEX 8021B BTEX 8260B TPH TX1005 (Ext to C35) TPH 8015M (GRO - DRO - ORO - MRO) PAH 8270C Total Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles TCLP Semi Volatiles RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) Chloride Chloride Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance

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(Circle) HAND DELIVERED FEDEX UPS Tracking #:

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901 W. Wall St., Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:

EnLink

Site Manager:

Brittany Long

Project Name:

Falcon Remediation

Project Location: (county, state)
Eddy County, New Mexico

Project #:
212C-MD-02376

Invoice to:

Mike Luckett, EnLink

Receiving Laboratory:

Xenco

Sampler Signature:

Conner Moehring

Comments:

SAMPLE IDENTIFICATION

LAB #
(LAB USE ONLY)

SAMPLING
YEAR: DATE TIME

MATRIX
WATER SOIL

PRESERVATIVE METHOD
HCL HNO₃ ICE

CONTAINERS
FILTERED (Y/N)

H-7 (0-1)	12/16/2020		X							1	
H-8 (0-1)	12/16/2020		X							1	
H-9 (0-1)	12/16/2020		X							1	
H-10 (0-1)	12/16/2020		X							1	
H-11 (0-1)	12/16/2020		X							1	
H-12 (0-1)	12/16/2020		X							1	
H-13 (0-1)	12/16/2020		X							1	
H-14 (0-1)	12/16/2020		X							1	
H-15 (0-1)	12/16/2020		X							1	
H-16 (0-1)	12/16/2020		X							1	

Acquired by: *Monica* Date: 12/24/20 Time: *12:29-20*

Received by: *Monica* Date: 12-29-20 Time: *8:58*

Acquired by: Date: Time:

Received by: Date: Time:

Date: Time:

Date: Time:

Acquired by: Date: Time:

Received by: Date: Time:

Date: Time:

Date: Time:

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ANALYSIS REQUEST
(Circle or Specify Method No.)

BTEX 8021B BTEX 8260B
TPH TX1005 (Ext to C35)
TPH 8015M (GRO - DRO - ORO - MRO)
PAH 8270C
Total Metals Ag As Ba Cd Cr Pb Se Hg
TCLP Metals Ag As Ba Cd Cr Pb Se Hg
TCLP Volatiles
TCLP Semi Volatiles
RCI
GC/MS Vol. 8260B / 624
GC/MS Semi. Vol. 8270C/625
PCB's 8082 / 608
NORM
PLM (Asbestos)
Chloride
Chloride Sulfate TDS
General Water Chemistry (see attached list)
Anion/Cation Balance

Hold

LAB USE ONLY

REMARKS:

STANDARD

☐ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:



Tetra Tech, Inc.

901 W Wall St. Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

[illegible]

ANALYSIS REQUEST
(Circle or Specify Method No.)

Hold

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Tetra Tech- Midland

Date/ Time Received: 12.29.2020 08.54.00 AM

Work Order #: 682752

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	3.5
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	N/A
#5 Custody Seals intact on sample bottles?	N/A
#6 *Custody Seals Signed and dated?	N/A
#7 *Chain of Custody present?	Yes
#8 Any missing/extra samples?	No
#9 Chain of Custody signed when relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/matrix?	Yes
#11 Container label(s) legible and intact?	Yes
#12 Samples in proper container/ bottle?	Yes BTEX was in bulk container
#13 Samples properly preserved?	Yes
#14 Sample container(s) intact?	Yes
#15 Sufficient sample amount for indicated test(s)?	Yes
#16 All samples received within hold time?	Yes
#17 Subcontract of sample(s)?	N/A
#18 Water VOC samples have zero headspace?	N/A

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

Analyst:

PH Device/Lot#:

Checklist completed by:



Brianna Teel

Date: 12.29.2020

Checklist reviewed by:



Jessica Kramer

Date: 12.30.2020

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 26526

CONDITIONS

Operator: EnLink Delaware Crude Pipeline, LLC 1722 Routh Street Dallas, TX 75201	OGRID: 329302
	Action Number: 26526
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Workplan/Remediation Plan is approved with the following conditions: In the pasture area, surface to 4' below ground surface, sidewall/floor samples need to comply with the strictest closure criteria limits 600 mg/kg for Chlorides and 100 mg/kg TPH. 4 feet below ground surface; soil contamination limits revert back to Table 1 in the spill rule. With the borehole drilled to 56.5' showing no evidence of groundwater, all closure samples 4 feet below ground surface need to meet Table 1 Closure Criteria for ground water at a depth of 51'-100'. Requirements include 10,000 mg/kg for chlorides, 2,500 mg/kg (GRO+DRO+MRO) or 1,000 mg/kg for (GRO+DRO). A variance has been approved for 1,000 ft2 confirmation sample size on the release area. Around equipment, safely excavate using a hydrovac and/or shovel to remove contaminated soil.	6/18/2021