Incident ID	nAPP2105635743
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: Amy Barnhill Title: Water Specialist

Signature: Amy Barnhill Date: 7-9-2021

email: ABarnhill@chevron.com Telephone: 432-687-7108

OCD Only

Received by: Chad Hensley Date: 08/24/2021

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

Signature: Chad Hensley Date: 08/24/2021

AECOM Imagine it. Delivered.

Delineation Report and Remediation Plan

Lost Tank 16 State #004 Producing Oil Well
New Mexico Oil Conservation Division (NMOCD) Incident ID No. nAPP2105635743

Prepared For:
Chevron Mid-Continent Business Unit (MCBU)

Prepared By:
AECOM
19219 Katy Freeway, Suite 100
Houston, Texas 77094

June 2021

Delineation Report and Remediation Plan

Lost Tank 16 State #004 Producing Oil Well
Produced Water Spill Site
Lea County, New Mexico
NMOCD Incident ID No. nAPP2105635743

Chevron Mid-Continent Business Unit (MCBU)

June 2021
AECOM Project No. 60657216

Prepared by: Wally Gilmore, P.G.
Senior Project Manager

Reviewed by: Brad Wynne, PMP
Project Manager

Table of Contents

Figures

Tables

Appendices

1. Introduction

On behalf of Chevron Mid-Continent Business Unit (MCBU), AECOM Technical Services, Inc. (AECOM) has prepared this Delineation Report and Remediation Plan to describe the delineation sampling activities that have been conducted to characterize potential impacts to environmental media (soil and groundwater) resulting from a produced water spill that occurred at the Lost Tank 16 State #004 site in Lea County, New Mexico ("the Site").

2. Background

The Site is located at Latitude 32.485096° North, Longitude 103.6872253° West in Lea County, New Mexico (**Figure 1**).

On February 21, 2021, approximately 12.76 barrels (bbls) of produced and approximately 1.56 bbls of crude oil were released to the unlined well pad due to a stuffing box leak at the wellhead. As required by the New Mexico Oil Conservation Division (NMOCD) under 19.15.29 New Mexico Administrative Code (NMAC), Chevron's initial response to the release included:

- Stopping the release at the source;
- Securing the impacted soil area to protect human health and the environment;
- Containing the released produced water and crude oil which did not extend off of the well pad; and,
- Recovering approximately 10 bbls of produced water and 1.56 bbls of crude oil.

A Release Notification, Form C-141, dated March 4, 2021, was submitted to the NMOCD. The Form C-141 documents the responsible party, location of the release source, nature, and volume of the release, and initial response to the release. NMOCD assigned Incident ID No. nAPP2105635743 to the release. An updated Form C-141 is provided as **Appendix A**.

3. Site Characterization

The findings from a desktop characterization of the Site are summarized below.

- The Site is situated along the northwestern flank of Hat Mesa, which is a topographic high point in the Site area. The elevation of the Site is about 3,710 feet above mean sea level (amsl) and the surface topography slopes to the west-southwest.
- Online *Water Column/Average Depth to Water* data from the New Mexico Water Rights Reporting System (NMWRRS) identified no water wells within ½ mile of the Site. An initial online search of NMWRRS data for the area within a 1,000 meter radius of the Site did not produce any water level data. Depth to groundwater is anticipated to be greater than 50 feet below ground surface (ft bgs) as indicated by the following:
  - An expanded radius search of the NMWRRS online data indicated the average depth to groundwater within 10,000 meters of the Site is 215 ft bgs (**Appendix B**).
    - The closest identified water well, Point of Diversion (POD) C 03151, was installed in 2005 to a reported depth of 1352 ft bgs, approximately 1.4 miles northwest of the Site. The initial use and current status of this well is unknown. No depth to water was reported by the NMWRRS for this well.
    - The closest well to the Site with reported water level data, POD water well CP 01701 POD1, was installed in October 2018 with a reported screened interval of 460 to 840 ft bgs,

approximately 4 miles southeast of the Site. The reported depth to water for this well is 560 ft bgs. The initial use and current status of this well is unknown.

  - A desktop evaluation of surface topography relative to surface water features identified on Google Earth approximately 5.2 miles west of the Site indicates that the depth to groundwater at the Site may be greater than 500 ft bgs. This is consistent with the reported depth to groundwater of 560 ft bgs described above for POD water well CP 01701 POD1, which is situated along the western flank of Hat Mesa at a slightly lower elevation than the Site (Site elevation of about 3,710 ft amsl vs about 3,670 ft amsl for CP 01701 POD1).

- The underlying soils at the Site are comprised of fine sand associated with eolian sand dunes.
- There are no continuously flowing watercourses or other significant watercourses within ½ mile of the Site.
- The Site is not located within 200 ft of any lakebed, known sinkhole, or playa lake.
- The nearest occupied permanent residence, school, hospital, institution, or church is greater than 10 miles from the Site.
- There are no known springs or wells used for domestic or stock watering purposes within ½ mile of the Site.
- There are no known water wells within ½ mile of the Site.
- No incorporated municipal boundaries or defined municipal fresh water well fields are located within 20 miles of the Site.
- No wetlands are present within 300 feet of the Site.
- No subsurface mines are located beneath the Site.
- No karst geology features or other unstable areas are known to be located near the Site.
- The Site is not located within a 100-year floodplain.
- Operations near the Site are for oil and gas exploration, development, production, or storage only, and no impact to areas that are not on an exploration, development, production, or storage site are expected.

In summary, no sensitive environmental and/or ecological receptors were identified within the search criteria distances described in 19.15.29.11 and 19.15.29.12.C.(4) NMAC. **Figure 1** shows the location of the Site and surrounding area on a topographic map. Based on information obtained during the initial desktop Site characterization and the volume of produced water released and recovered, no impact to groundwater, surface water, springs, or other sources of fresh water is currently suspected.

4. Soil Delineation

On April 29, 2021, soil delineation activities were conducted at the Site, which included collection of soil samples from five hand auger borings (LTB-1 through LTB-5) drilled to depth of 5 ft bgs at the locations shown on **Figure 2**. The delineation boring locations were chosen based on an aerial photograph provided by MCBU which depicts the approximate area of surface soil impacted by the release, as observed by on-site personnel. Hand auger boring LTB-5 was drilled immediately east of wellhead in the reported spill area. Horizontal delineation borings LTB-1, LTB-2, LTB-3 and LTB-4 were drilled west, south, east and north of the spill area, respectively. Site photographs are provided **in Appendix C**.

In each of the hand auger borings, caliche well pad material was encountered from the ground surface to depths of 1 to 2 ft bgs. The well pad material was underlain by reddish brown silty sand to the total depth of the borings at 5 ft bgs. Soil samples were collected from each of the borings and field-screened for petroleum hydrocarbons using a photoionization detector (PID) to measure volatile organic vapor

concentrations. A Summary of Field Sample Collection and Screening Activities is provided in **Appendix D**.

Two soil samples from each boring were selected for laboratory analysis of petroleum hydrocarbons, including the depth interval that exhibited the highest PID reading (0 to 1 ft bgs for each boring) and the interval at the borehole terminus. In addition, each of the depth interval samples from hand auger borings LTB-1 through LTB-5 were selected for laboratory analysis of chloride.

The soil samples selected for laboratory analysis were transferred into clean, laboratory-provided sample containers, labeled and placed on ice in laboratory-provided coolers. Chain of Custody forms were completed, and the samples were delivered directly to the Eurofins-Xenco laboratory in Midland, Texas for analysis of benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method 8021B, Total Petroleum Hydrocarbon (TPH) by EPA Method 8015B and chloride by EPA Method 300.0. The laboratory results are summarized in **Table 1** and the laboratory analytical report is provided as **Appendix E**.

At the conclusion of drilling and soil sampling activities, the soil cuttings were returned to the boreholes, which were then sealed near the surface with bentonite chips.

4.1 Soil Delineation Sampling Results

The soil analytical results were initially compared to *Table I, Closure Criteria for Soils Impacted by a Release* provided in 19.15.29.12 NMAC, which includes the following:

Table I
Closure Criteria for Soils Impacted by a Release

Minimum depth below any point within the horizontal boundary of the release to groundwater less than 10,000 mg/L TDS	Constituent	Limit
≤ 50 feet bgs	Chloride	600 mg/kg
	TPH (GRO+DRO+MRO)	100 mg/kg
51 feet – 100 feet bgs	Chloride	10,000 mg/kg
	TPH (GRO+DRO+MRO)	2,500 mg/kg

The regulatory limits in Table I above are associated with protection of sensitive receptors, which are primarily water resources for this Site. None of the constituent concentrations reported for the shallow soil samples exceed the regulatory limits shown above in Table I for sites where groundwater is deeper than 50 ft bgs. As described above in *Section 3*, it is currently anticipated that depth to groundwater is greater than 50 feet bgs at the Site.

The soil analytical results for the Site were also compared to the chloride regulatory limit of 600 milligrams per kilogram (mg/kg) specified for the upper four feet of soil under 19.15.29.13.D.(1) NMAC for *RESTORATION, RECLAMATION AND RE-VEGETATION*. The chloride concentration of 5,580 mg/kg reported for sample LTB-5 (0-1') collected from near the source/center of the release areas, exceeds the regulatory limit of 600 mg/kg for future Site reclamation. The extent of chloride concentrations above 600 mg/kg in soil is delineated vertically by the chloride concentration of 572 mg/kg reported for sample LTB-5 (1-2') and horizontally by the reported chloride concentrations, which were below 600 mg/kg, for each of the depth interval samples collected from hand auger borings LTB-1 through LTB-4.

5. Site Assessment and Delineation Sampling Conclusions

The Site assessment and soil delineation results include the following:

- No sensitive environmental and/or ecological receptors were identified within the search criteria distances described in 19.15.29.11 and 19.15.29.12.C.(4) NMAC.
- Constituent concentrations in soil are below the applicable regulatory limits based on anticipated depth to groundwater greater than 50 ft bgs beneath the Site as described above in *Section 3*.
- The chloride concentration near the release source/center of 5,580 mg/kg reported for sample LTB-5 (0-1') exceeds the regulatory limit of 600 mg/kg for future Site reclamation. Groundwater at the Site is anticipated to be deeper than 50 feet bgs and these reported chloride concentrations do not exceed the 10,000 mg/kg limit for protection of sensitive receptors associated with Table I (19.15.29.12 NMAC).
- The release impacts have been fully delineated both vertically and horizontally.

6. Remediation Plan Recommendations

No further remedial action is recommended at this time to address the chloride concentrations that exceed the regulatory limit of 600 mg/kg for future soil reclamation at the Site. MCBU requests NMOCD concurrence that soil remediation related to future Site reclamation can be deferred until the Lost Tank 16 State #004 producing well is taken out of service based on the following:

- As described under 19.15.29.12.C.2, "*If contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first. The deferral may be granted so long as the contamination is fully delineated and does not cause an imminent risk to human health, the environment, or ground water. Final remediation and reclamation shall take place in accordance with 19.15.29.12 and 19.15.29.13 NMAC once the site is no longer being used for oil and gas operations*."
  - The spill occurred at the wellhead. Complete removal of impacted soil is not practicable without causing disruption to ongoing operation of the producing oil well and associated flow lines.
  - The chloride exceedance of regulatory limits was only reported for sample LTB-5 (0-1'), which was comprised of caliche well pad material. The extent of soil impacts has been fully delineated both vertically and horizontally, and no exceedences of regulatory limits were reported for native soil underlying the well pad.
  - There is currently no apparent benefit for conducting soil remediation activities to satisfy regulatory requirements associated with future Site reclamation. More thorough remediation of impacted well pad material and shallow underlying soil can be accomplished once the producing oil well is taken out of service and reclamation activities are performed to re-vegetate the area of the current well pad.

Proposed future Site activities include the following:

- Upon termination of production operations at the Site, the well pad material will be removed and replaced with clean soil suitable for re-vegetation. Future reclamation activities will also include:
  - Remediation of impacted native soil underlying the well pad (if present), and
  - Confirmation sampling and associated documentation to verify that remaining constituent concentrations in soil do not exceed regulatory limits in accordance with 19.15.29 NMAC and NMOCD requirements.

The Remediation Plan and formal deferral request is included in Appendix A, as page 6 of the Form C-141.

7. References

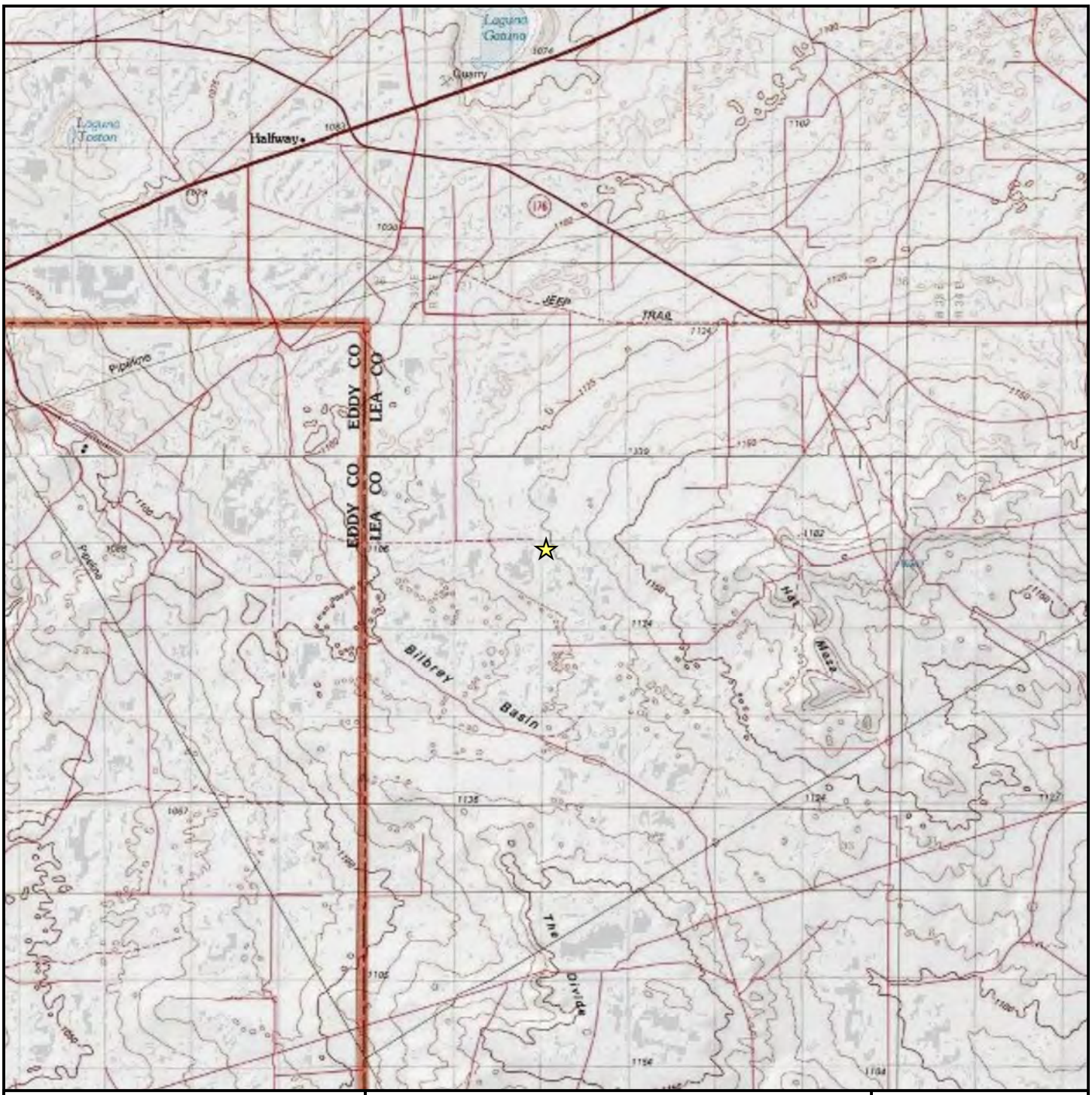
New Mexico Water Rights Reporting System (NMWRRS), Water Column/Average Depth to Water Report. http://nmwrrs.ose.state.nm.us/nmwrrs/waterColumn.html .

National Wetlands Inventory, surface waters and wetlands. https://www.fws.gov/wetlands/data/mapper.html

Google Earth Pro.

United States Department of Agriculture – Natural Resources Conservation Service. Web Soil Survey. Available on line at https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx.

Figures



Legend

☆ Lost Tank Site Location

Map Location

Site Location Map

Lost Tank 16 State #004
Lea County, New Mexico
Chevron MCBU

N

0 1 2 3 4 Miles

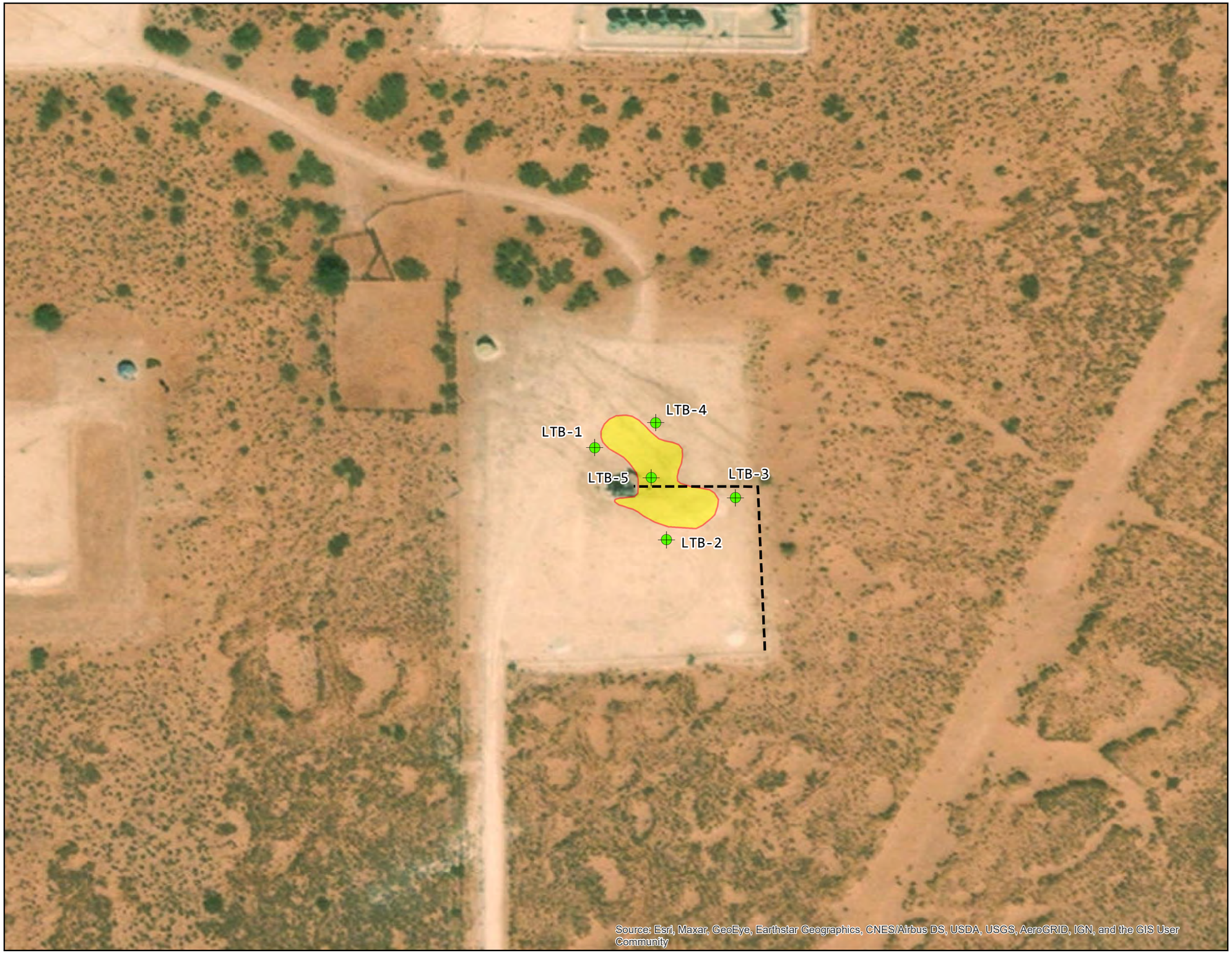
Coordinate System: WGS 1984 Web Mercator Auxiliary Sphere
Projection: Mercator Auxiliary Sphere

AECOM

Figure 1

Date: May 2021

Project #: 60657216



N
W E
S

Legend

- Soil Boring
- Approximate Release Area
- Aboveground Flow Lines

0 50 100 200 Feet

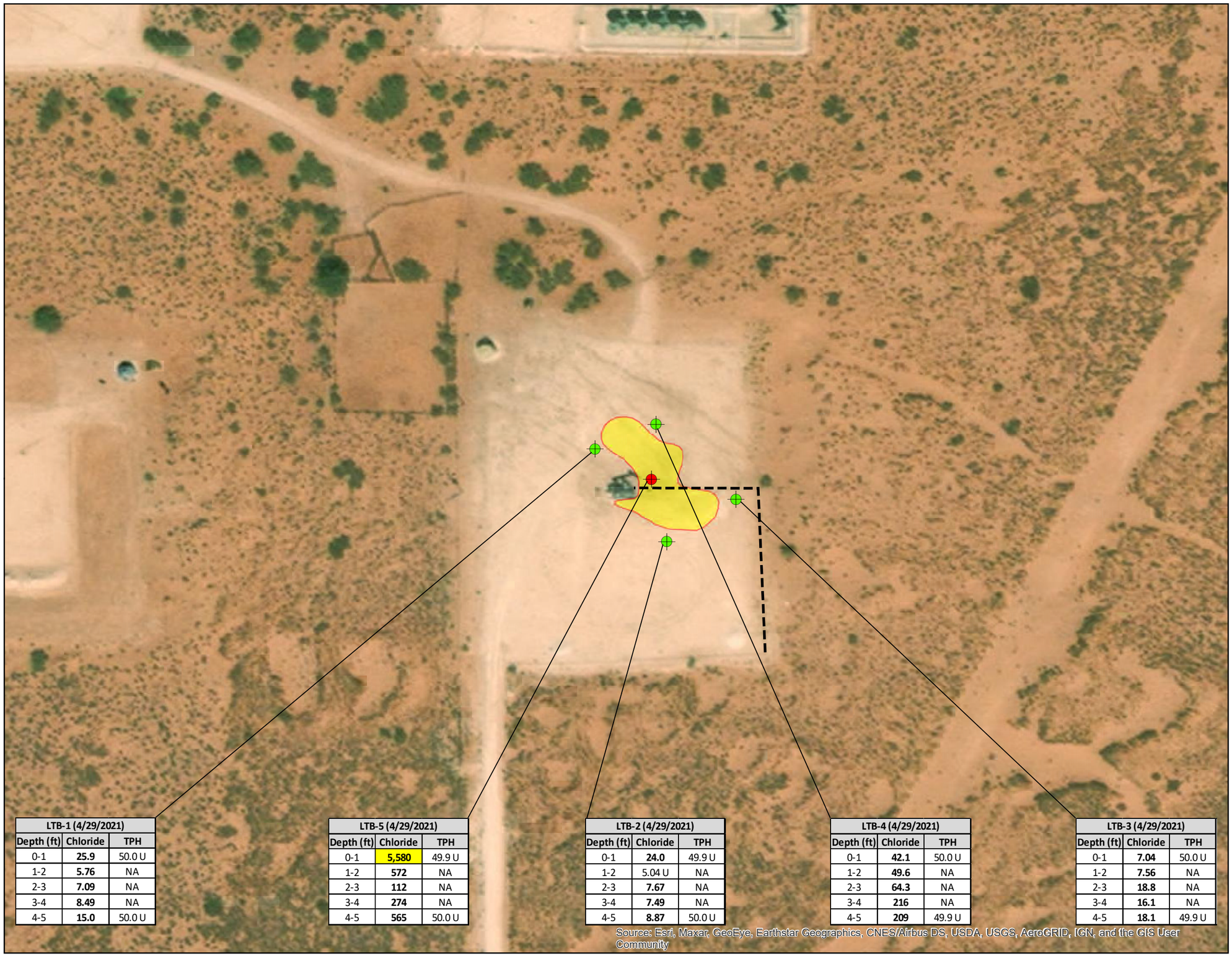
AECOM

13355 Noel Road, Suite 400
Dallas, TX 75240

Sample Location Map

Chevron MCBU
Lost Tank
Lea County, New Mexico

Date:	Proj. No.:	Figure:
5/26/2021	60657216	2



N
W E
S

Legend

- Soil Boring with no exceedances
- Soil Boring with chloride exceedance
- Approximate Release Area
- Aboveground Flow Lines

U Analyte not detected at or above the Laboratory Sample Detection Limit (SDL)

NA Not Analyzed

Regulatory Limits:

TPH (0-4 ft bgs) = 100 mg/kg
TPH (> 4 ft bgs) = 2,500 mg/kg
Chloride (0-4 bgs) = 600 mg/kg
Chloride (>4) ft bgs) = 10,000 mg/kg

Bold & Highlighted Exceeds Regulatory Limit

0 50 100 200 Feet

AECOM
13355 Noel Road, Suite 400
Dallas, TX 75240

Soil Analytical Map

Chevron MCBU
Lost Tank
Lea County, New Mexico

Date:	Proj. No.:	Figure:
5/26/2021	60657216	3

Tables

Table 1
Lost Tank 16 State #004 - Soil Analytical Results
Chevron MCBU NM Spill Sites
Lea County, NM

AECOM

Sample ID	Sample Date	Sample Depth (ft bgs)	Total Petroleum Hydrocarbons (EPA Method 8015B)				Volatile Organic Compounds (EPA Method 8021B)					Chloride (EPA Method 300.0 Anions, Ion Chromatography)
			GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C36)	TPH GRO+DRO+MRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	
Regulatory Limits - GW ≤50 feet and Surface Soil 0-4 ft bgs - (mg/kg)			--	--	--	100	10	--	--	--	50	600
LTB-1	4/29/2021	0-1'	50.0 U	50.0 U	50.0 U	50.0 U	0.00202 U	0.00202 U	0.00202 U	0.00404 U	0.00404 U	**25.9**
		1-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5.76**
		2-3'	NA	NA	NA	NA	NA	NA	NA	NA	NA	**7.09**
		3-4'	NA	NA	NA	NA	NA	NA	NA	NA	NA	**8.49**
		4-5'	50.0 U	50.0 U	50.0 U	50.0 U	0.00201 U	0.00201 U	0.00201 U	0.00402 U	0.00402 U	**15.0**
LTB-2	4/29/2021	0-1'	49.9 U	49.9 U	49.9 U	49.9 U	0.00202 U	0.00202 U	0.00202 U	0.00403 U	0.00403 U	**24.0**
		1-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.04 U
		2-3'	NA	NA	NA	NA	NA	NA	NA	NA	NA	**7.67**
		3-4'	NA	NA	NA	NA	NA	NA	NA	NA	NA	**7.49**
		4-5'	50.0 U	50.0 U	50.0 U	50.0 U	0.00201 U	0.00201 U	0.00201 U	0.00402 U	0.00402 U	**8.87**
LTB-3	4/29/2021	0-1'	50.0 U	50.0 U	50.0 U	50.0 U	0.00199 U	0.00199 U	0.00199 U	0.00398 U	0.00398 U	**7.04**
		1-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	**7.56**
		2-3'	NA	NA	NA	NA	NA	NA	NA	NA	NA	**18.8**
		3-4'	NA	NA	NA	NA	NA	NA	NA	NA	NA	**16.1**
		4-5'	49.9 U	49.9 U	49.9 U	49.9 U	0.00202 U	0.00202 U	0.00202 U	0.00404 U	0.00404 U	**18.1**
LTB-4	4/29/2021	0-1'	50.0 U	50.0 U	50.0 U	50.0 U	0.00201 U	0.00201 U	0.00201 U	0.00402 U	0.00402 U	**42.1**
		1-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	**49.6**
		2-3'	NA	NA	NA	NA	NA	NA	NA	NA	NA	**64.3**
		3-4'	NA	NA	NA	NA	NA	NA	NA	NA	NA	**216**
		4-5'	49.9 U	49.9 U	49.9 U	49.9 U	0.00200 U	0.00200 U	0.00200 U	0.00401 U	0.00401 U	**209**
LTB-5	4/29/2021	0-1'	49.9 U	49.9 U	49.9 U	49.9 U	0.00198 U	0.00198 U	0.00198 U	0.00397 U	0.00397 U	**5580**
		1-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	**572**
		2-3'	NA	NA	NA	NA	NA	NA	NA	NA	NA	**112**
		3-4'	NA	NA	NA	NA	NA	NA	NA	NA	NA	**274**
		4-5'	50.0 U	50.0 U	50.0 U	50.0 U	0.00199 U	0.00199 U	0.00199 U	0.00398 U	0.00398 U	**565**

Notes:

1. Soil analyses performed by Eurofins Xenco Laboratories, LLC. in Midland, Texas.
2. Units for all analytical data provided are mg/Kg (milligrams per kilogram).
3. Regulatory Limits are from 19.15.29 New Mexico Administrative Code (NMAC) - "Closure Criteria for Soils Impacted by a Release."
4. "--" Indicates that no applicable regulatory limit exists for that analyte.
5. "ft bgs" - feet below ground surface.
6. "GRO" - Gasoline Range Organic Compounds
7. "DRO" - Diesel Range Organic Compounds
8. "MRO" - Motor Oil/Lube Range Organic Compounds
9. "NA" - Not analyzed.
10. U - Indicates that the analyte was analyzed for but not detected at or above the laboratory SDL.
11. **Bold** - Detectable concentration that exceeds laboratory method reporting limits.
12. **Bold and Shaded** - Reported concentration exceeds NMAC Regulatory Limits.

Appendix A

Form C-141 – Lost Tank 16 State #004

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	nAPP2105635743
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Chevron USA Inc	OGRID: 4323
Contact Name: Amy Barnhill	Contact Telephone: 432-687-7108
Contact email: ABarnhill@chevron.com	Incident # *(assigned by OCD)*
Contact mailing address: 6301 Deauville Blvd Midland Tx 79706	

Location of Release Source

Latitude 32.4851 Longitude -103.68723
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Lost Tank 16 State #004	Site Type: Oil
Date Release Discovered: 2-21-21	API# *(if applicable):* 30-025-38907

Unit Letter	Section	Township	Range	County
D	16	21S	32E	Lea

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

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls): 1.56 bbls	Volume Recovered (bbls): 1.56 bbls
☒ Produced Water	Volume Released (bbls): 12.76 bbls	Volume Recovered (bbls): 10 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: Stuffing box leaked, packing was compromised during the extreme cold weather. Stuffing box rubber blew out.

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

Initial Response

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

☒ The source of the release has been stopped.

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

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

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

If all the actions described above have not been undertaken, explain why:

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.

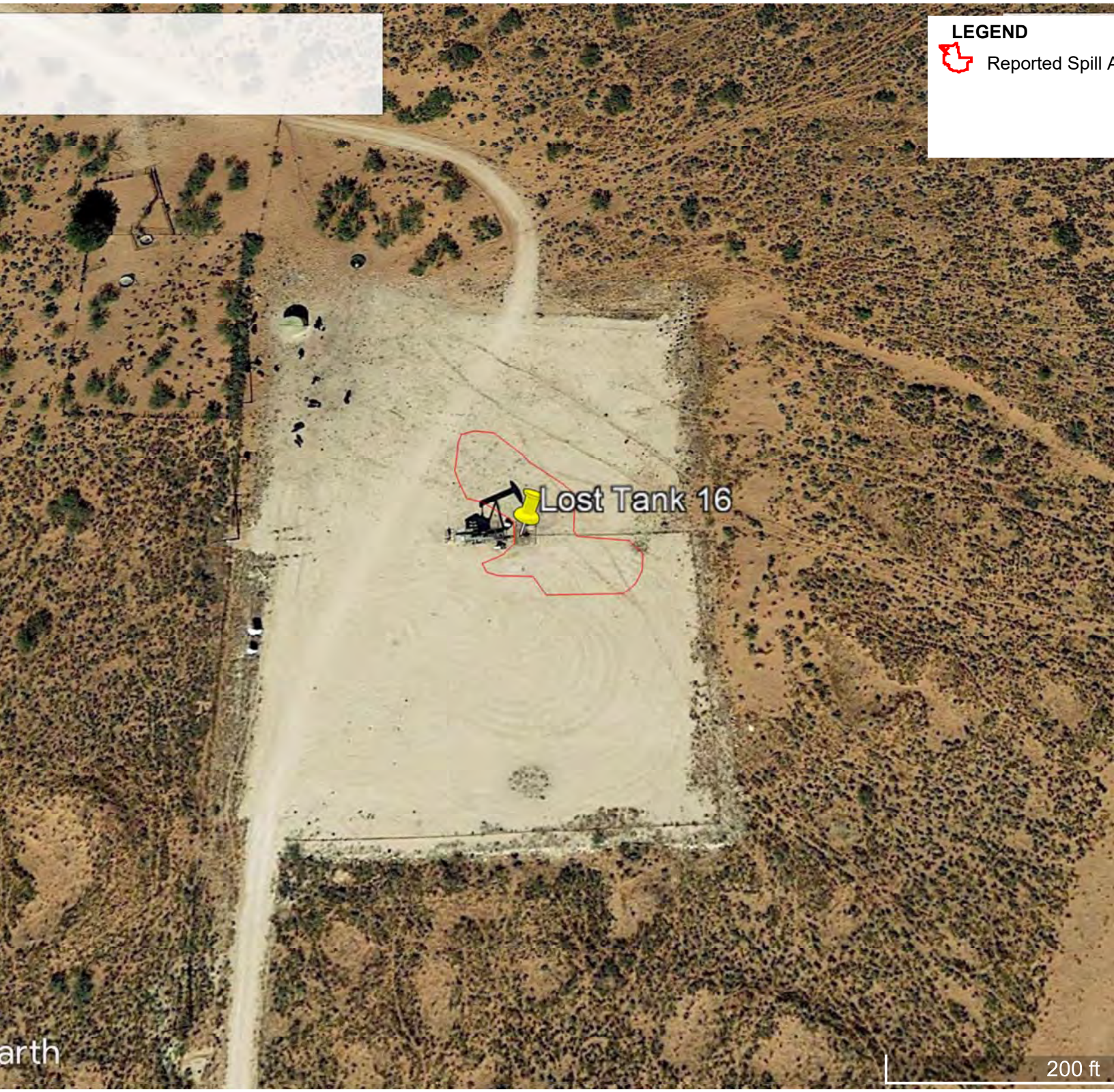
Printed Name: __Amy Barnhill_____ Title: Environmental Specialist – Water

Signature: _____ Date: 3-4-2021

email: ABarnhill@chevron.com Telephone: 432-687-7108

OCD Only

Received by: _____ Date: _____


LEGEND
Reported Spill A
Lost Tank 16
arth
200 ft

Incident ID	nAPP2210563743
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.

Form C-141
Page 5

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2105635743
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: Amy Barnhill Title: Water Specialist

Signature: Date: 7-9-2021

email: ABarnhill@chevron.com Telephone: 432-687-7108

OCD Only

Received by: Date:

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2105635743
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: Amy Barnhill Title: Water Specialist

Signature: Amy Barnhill Date: 7-9-2021

email: ABarnhill@chevron.com Telephone: 432-687-7108

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

Appendix B

NMWRRS Water Column/Average Depth to Water

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

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

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

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

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 03151		CUB	ED	4	1	4	07	21S	32E	621119	3595526*	2296	1352		
CP 00793 POD1		CP	LE	1	1	2	01	21S	32E	628932	3598270*	6490	1000		
CP 01701 POD1		CP	LE		1	3	35	21S	32E	626652	3589283	6574	840	560	280
CP 00794 POD1		CP	LE	4	1	1	18	21S	33E	629976	3594865*	6630	160		
CP 00795 POD1		CP	LE	4	1	1	18	21S	33E	629976	3594865*	6630	170		
CP 01151 POD1		CP	LE				32	22S	36E	627037	3601186	7232	823		
C 03717 POD1		C	LE	4	4	1	09	22S	32E	624094	3586365	8632	650		
C 02949 EXPL		CUB	ED	1	1	4	34	21S	31E	616140	3589231*	9209	970		
C 04144 POD1		CUB	LE	3	1	3	07	22S	32E	620240	3585844	9636	58	49	9
C 04144 POD3		CUB	LE	3	1	3	07	22S	32E	620240	3585842	9637			
C 04144 POD4		CUB	LE	3	1	3	07	22S	32E	620200	3585808	9683			
C 02953 EXPL		CUB	ED	1	3	1	16	21S	31E	613662	3594434*	9698		630	
C 04144 POD2		CUB	LE	3	1	3	07	22S	32E	620147	3585768	9737	60	55	5
C 04144 POD10		CUB	LE	2	4	4	12	22S	31E	620089	3585741	9782	67	0	67
C 04144 POD9		CUB	LE	1	3	3	07	22S	32E	620126	3585667	9840	63	0	63

Average Depth to Water: **215 feet**
Minimum Depth: **0 feet**
Maximum Depth: **630 feet**

Record Count: 15

UTMNAD83 Radius Search (in meters):

Easting (X): 623345.95 **Northing (Y):** 3594965.98 **Radius:** 10000

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

8/17/19 8:40 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Appendix C

Photographic Documentation

Client: Chevron MCBU	Project Number: 60657216
Project Name: Lost Tank 16 State #004	Site Location: Lea County, New Mexico

SPILL AREA	
Photograph No. 1 **Photographer:** J. Lovely **Date:** 7/29/2019 **Comments:** Looking north at pump jack and wellhead.	
SPILL AREA	
Photograph No. 2 **Photographer:** J. Lovely **Date:** 4/29/2021 **Comments:** Looking east at pump jack, well head and spill area from the location of soil boring LTB-1.	

Client: Chevron MCBU	Project Number: 60657216
Project Name: Lost Tank 16 State #004	Site Location: Lea County, New Mexico

SPILL AREA

Photograph No. 3	
Photographer: J. Lovely	
Date: 4/29/2021	
Comments: Looking south at pump jack, well head and spill area from the location of soil boring LTB-4.	

SPILL AREA

Photograph No. 4	
Photographer: J. Lovely	
Date: 4/29/2021	
Comments: Looking north-northwest at the pump jack, well head and spill area from the location of soil boring LTB-2.	

Appendix D

Summary of Field Sample Collection and Screening Activities

2021 Sample Collection and Screening
Lost Tank 16 State #004

Date	Boring ID	Depth (ft bgs)	Lithology	Time	PID (ppm)	Hydrocarbon Analysis
4/29/2021	LTB-1	0-1	Caliche Pad	1010	1.5	TPH, BTEX
		1-2	Reddish-brown silty sand	1015	0.7	
		2-3	SAA	1020	0.2	
		3-4	SAA	1025	0.3	
		4-5	SAA	1030	0.2	TPH, BTEX
4/29/2021	LTB-2	0-1	Caliche Pad	1240	1.3	TPH, BTEX
		1-2	Reddish-brown silty sand	1245	1.0	
		2-3	SAA	1250	0.9	
		3-4	SAA	1255	1.1	
		4-5	SAA	1300	1.0	TPH, BTEX
4/29/2021	LTB-3	0-1	Caliche Pad	1100	1.6	TPH, BTEX
		1-2	Reddish-brown silty sand	1105	0.6	
		2-3	SAA	1110	1.1	
		3-4	SAA	1115	0.8	
		4-5	Brown gravelly sand/caliche mix	1120	0.7	TPH, BTEX
4/29/2021	LTB-4	0-1	Caliche Pad	1205	1.7	TPH, BTEX
		1-2	Reddish-brown silty sand mix	1210	0.5	
		2-3	SAA	1215	0.6	
		3-4	SAA	1220	0.4	
		4-5	SAA mixed with caliche nodules	1225	0.3	TPH, BTEX
4/29/2021	LTB-5	0-1	Caliche Pad	1330	3.5	TPH, BTEX
		1-2	SAA mix	1335	2.2	
		2-3	SAA	1340	1.5	
		3-4	SAA mixed with caliche nodules	1345	2.0	
		4-5		1350	1.7	TPH, BTEX

Appendix E

Laboratory Analytical Report

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-1776-1
Client Project/Site: Lost Tank

For:
AECOM
19219 Katy Freeway
Suite 100
Houston, Texas 77094

Attn: Mr. Wallace Gilmore

Authorized for release by:
5/6/2021 2:49:03 PM

John Builes, Project Manager
(281)240-4200
john.builes@eurofinset.com

Client: AECOM
Project/Site: Lost Tank

Laboratory Job ID: 880-1776-1

Table of Contents

Definitions/Glossary

Client: AECOM Job ID: 880-1776-1
Project/Site: Lost Tank

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: AECOM
Project/Site: Lost Tank

Job ID: 880-1776-1

Job ID: 880-1776-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-1776-1

Receipt
The samples were received on 4/30/2021 1:35 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.1°C

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: LTB-1 (4-5) (880-1776-5), LTB-4 (0-1) (880-1776-11), LTB-4 (4-5) (880-1776-15), LTB-2 (0-1) (880-1776-16), LTB-2 (4-5) (880-1776-20) and LTB-5 (0-1) (880-1776-21). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Internal standard responses were outside of acceptance limits for the following samples: LTB-3 (0-1) (880-1776-6) and LTB-2 (4-5) (880-1776-20). The sample(s) shows evidence of matrix interference.

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

GC Semi VOA
Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-2571 and analytical batch 880-2589 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

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

Client Sample Results

Client: AECOM
Project/Site: Lost Tank

Job ID: 880-1776-1

Client Sample ID: LTB-1 (0-1)

Lab Sample ID: 880-1776-1
Matrix: Solid
Date Collected: 04/29/21 10:10
Date Received: 04/30/21 13:35
Sample Depth: 0 - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/30/21 14:57	05/01/21 23:12	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/30/21 14:57	05/01/21 23:12	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/30/21 14:57	05/01/21 23:12	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/30/21 14:57	05/01/21 23:12	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/30/21 14:57	05/01/21 23:12	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/30/21 14:57	05/01/21 23:12	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		04/30/21 14:57	05/01/21 23:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*04/30/21 14:57*	*05/01/21 23:12*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*04/30/21 14:57*	*05/01/21 23:12*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/30/21 16:30	05/01/21 17:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		04/30/21 16:30	05/01/21 17:00	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/30/21 16:30	05/01/21 17:00	1
Total TPH	<50.0	U	50.0		mg/Kg		04/30/21 16:30	05/01/21 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*04/30/21 16:30*	*05/01/21 17:00*	*1*
o-Terphenyl	*105*		*70 - 130*	*04/30/21 16:30*	*05/01/21 17:00*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**25.9**		4.97		mg/Kg			05/05/21 14:21	1

Client Sample ID: LTB-1 (1-2)

Lab Sample ID: 880-1776-2
Matrix: Solid
Date Collected: 04/29/21 10:15
Date Received: 04/30/21 13:35
Sample Depth: 1 - 2

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.76**		5.03		mg/Kg			05/05/21 14:37	1

Client Sample ID: LTB-1 (2-3)

Lab Sample ID: 880-1776-3
Matrix: Solid
Date Collected: 04/29/21 10:20
Date Received: 04/30/21 13:35
Sample Depth: 2 - 3

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.09**		5.02		mg/Kg			05/05/21 14:42	1

Client Sample Results

Client: AECOM
Project/Site: Lost Tank

Job ID: 880-1776-1

Client Sample ID: LTB-1 (3-4)

Lab Sample ID: 880-1776-4
Matrix: Solid
Date Collected: 04/29/21 10:25
Date Received: 04/30/21 13:35
Sample Depth: 3 - 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.49		5.05		mg/Kg			05/05/21 14:48	1

Client Sample ID: LTB-1 (4-5)

Lab Sample ID: 880-1776-5
Matrix: Solid
Date Collected: 04/29/21 10:30
Date Received: 04/30/21 13:35
Sample Depth: 4 - 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/30/21 14:57	05/01/21 23:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/30/21 14:57	05/01/21 23:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/30/21 14:57	05/01/21 23:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/30/21 14:57	05/01/21 23:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/30/21 14:57	05/01/21 23:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/30/21 14:57	05/01/21 23:37	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/30/21 14:57	05/01/21 23:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*	*04/30/21 14:57*	*05/01/21 23:37*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*04/30/21 14:57*	*05/01/21 23:37*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/30/21 16:30	05/01/21 17:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		04/30/21 16:30	05/01/21 17:43	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/30/21 16:30	05/01/21 17:43	1
Total TPH	<50.0	U	50.0		mg/Kg		04/30/21 16:30	05/01/21 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*04/30/21 16:30*	*05/01/21 17:43*	*1*
o-Terphenyl	*119*		*70 - 130*	*04/30/21 16:30*	*05/01/21 17:43*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.0		4.99		mg/Kg			05/05/21 14:53	1

Client Sample ID: LTB-3 (0-1)

Lab Sample ID: 880-1776-6
Matrix: Solid
Date Collected: 04/29/21 11:00
Date Received: 04/30/21 13:35
Sample Depth: 0 - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/30/21 14:57	05/02/21 00:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/30/21 14:57	05/02/21 00:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/30/21 14:57	05/02/21 00:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/30/21 14:57	05/02/21 00:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/30/21 14:57	05/02/21 00:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/30/21 14:57	05/02/21 00:02	1

Client Sample Results

Client: AECOM
Project/Site: Lost Tank

Job ID: 880-1776-1

Client Sample ID: LTB-3 (0-1)

Lab Sample ID: 880-1776-6
Matrix: Solid
Date Collected: 04/29/21 11:00
Date Received: 04/30/21 13:35
Sample Depth: 0 - 1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/30/21 14:57	05/02/21 00:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*04/30/21 14:57*	*05/02/21 00:02*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*04/30/21 14:57*	*05/02/21 00:02*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/30/21 16:30	05/01/21 18:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		04/30/21 16:30	05/01/21 18:04	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/30/21 16:30	05/01/21 18:04	1
Total TPH	<50.0	U	50.0		mg/Kg		04/30/21 16:30	05/01/21 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*04/30/21 16:30*	*05/01/21 18:04*	*1*
o-Terphenyl	*99*		*70 - 130*	*04/30/21 16:30*	*05/01/21 18:04*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.04**		4.99		mg/Kg			05/05/21 15:09	1

Client Sample ID: LTB-3 (1-2)

Lab Sample ID: 880-1776-7
Matrix: Solid
Date Collected: 04/29/21 11:05
Date Received: 04/30/21 13:35
Sample Depth: 1 - 2

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.56**		4.99		mg/Kg			05/05/21 15:15	1

Client Sample ID: LTB-3 (2-3)

Lab Sample ID: 880-1776-8
Matrix: Solid
Date Collected: 04/29/21 11:10
Date Received: 04/30/21 13:35
Sample Depth: 2 - 3

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.8**		4.96		mg/Kg			05/05/21 15:20	1

Client Sample ID: LTB-3 (3-4)

Lab Sample ID: 880-1776-9
Matrix: Solid
Date Collected: 04/29/21 11:15
Date Received: 04/30/21 13:35
Sample Depth: 3 - 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.1**		5.01		mg/Kg			05/05/21 15:25	1

Client Sample Results

Client: AECOM
Project/Site: Lost Tank

Job ID: 880-1776-1

Client Sample ID: LTB-3 (4-5)

Lab Sample ID: 880-1776-10
Matrix: Solid
Date Collected: 04/29/21 11:20
Date Received: 04/30/21 13:35
Sample Depth: 4 - 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/04/21 09:33	05/05/21 03:31	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/04/21 09:33	05/05/21 03:31	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/04/21 09:33	05/05/21 03:31	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/04/21 09:33	05/05/21 03:31	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/04/21 09:33	05/05/21 03:31	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/04/21 09:33	05/05/21 03:31	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		05/04/21 09:33	05/05/21 03:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*05/04/21 09:33*	*05/05/21 03:31*	*1*
1,4-Difluorobenzene (Surr)	*124*		*70 - 130*	*05/04/21 09:33*	*05/05/21 03:31*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/03/21 10:04	05/03/21 19:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/03/21 10:04	05/03/21 19:40	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/03/21 10:04	05/03/21 19:40	1
Total TPH	<49.9	U	49.9		mg/Kg		05/03/21 10:04	05/03/21 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*05/03/21 10:04*	*05/03/21 19:40*	*1*
o-Terphenyl	*117*		*70 - 130*	*05/03/21 10:04*	*05/03/21 19:40*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.1**		5.02		mg/Kg			05/05/21 15:31	1

Client Sample ID: LTB-4 (0-1)

Lab Sample ID: 880-1776-11
Matrix: Solid
Date Collected: 04/29/21 12:05
Date Received: 04/30/21 13:35
Sample Depth: 0 - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/30/21 14:57	05/02/21 00:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/30/21 14:57	05/02/21 00:27	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/30/21 14:57	05/02/21 00:27	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/30/21 14:57	05/02/21 00:27	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/30/21 14:57	05/02/21 00:27	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/30/21 14:57	05/02/21 00:27	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/30/21 14:57	05/02/21 00:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*04/30/21 14:57*	*05/02/21 00:27*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*04/30/21 14:57*	*05/02/21 00:27*	*1*

Client Sample Results

Client: AECOM
Project/Site: Lost Tank

Job ID: 880-1776-1

Client Sample ID: LTB-4 (0-1)

Lab Sample ID: 880-1776-11
Matrix: Solid
Date Collected: 04/29/21 12:05
Date Received: 04/30/21 13:35
Sample Depth: 0 - 1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/30/21 16:30	05/01/21 18:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		04/30/21 16:30	05/01/21 18:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/30/21 16:30	05/01/21 18:25	1
Total TPH	<50.0	U	50.0		mg/Kg		04/30/21 16:30	05/01/21 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*04/30/21 16:30*	*05/01/21 18:25*	*1*
o-Terphenyl	*97*		*70 - 130*	*04/30/21 16:30*	*05/01/21 18:25*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**42.1**		4.97		mg/Kg			05/05/21 19:27	1

Client Sample ID: LTB-4 (1-2)

Lab Sample ID: 880-1776-12
Matrix: Solid
Date Collected: 04/29/21 12:10
Date Received: 04/30/21 13:35
Sample Depth: 1 - 2

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**49.6**		4.96		mg/Kg			05/05/21 19:42	1

Client Sample ID: LTB-4 (2-3)

Lab Sample ID: 880-1776-13
Matrix: Solid
Date Collected: 04/29/21 12:15
Date Received: 04/30/21 13:35
Sample Depth: 2 - 3

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**64.3**		4.95		mg/Kg			05/05/21 19:47	1

Client Sample ID: LTB-4 (3-4)

Lab Sample ID: 880-1776-14
Matrix: Solid
Date Collected: 04/29/21 12:20
Date Received: 04/30/21 13:35
Sample Depth: 3 - 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**216**		4.99		mg/Kg			05/05/21 19:52	1

Client Sample ID: LTB-4 (4-5)

Lab Sample ID: 880-1776-15
Matrix: Solid
Date Collected: 04/29/21 12:25
Date Received: 04/30/21 13:35
Sample Depth: 4 - 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/30/21 14:57	05/02/21 00:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/30/21 14:57	05/02/21 00:52	1

Client Sample Results

Client: AECOM
Project/Site: Lost Tank

Job ID: 880-1776-1

Client Sample ID: LTB-4 (4-5)

Lab Sample ID: 880-1776-15

Date Collected: 04/29/21 12:25
Matrix: Solid
Date Received: 04/30/21 13:35
Sample Depth: 4 - 5

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/21 14:57	05/02/21 00:52	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/30/21 14:57	05/02/21 00:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/21 14:57	05/02/21 00:52	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/30/21 14:57	05/02/21 00:52	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		04/30/21 14:57	05/02/21 00:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*	*04/30/21 14:57*	*05/02/21 00:52*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*04/30/21 14:57*	*05/02/21 00:52*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/30/21 16:30	05/01/21 18:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		04/30/21 16:30	05/01/21 18:46	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/30/21 16:30	05/01/21 18:46	1
Total TPH	<49.9	U	49.9		mg/Kg		04/30/21 16:30	05/01/21 18:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*04/30/21 16:30*	*05/01/21 18:46*	*1*
o-Terphenyl	*118*		*70 - 130*	*04/30/21 16:30*	*05/01/21 18:46*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**209**		4.95		mg/Kg			05/05/21 19:57	1

Client Sample ID: LTB-2 (0-1)

Lab Sample ID: 880-1776-16

Date Collected: 04/29/21 12:40
Matrix: Solid
Date Received: 04/30/21 13:35
Sample Depth: 0 - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/30/21 14:57	05/02/21 01:18	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/30/21 14:57	05/02/21 01:18	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/30/21 14:57	05/02/21 01:18	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/30/21 14:57	05/02/21 01:18	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/30/21 14:57	05/02/21 01:18	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/30/21 14:57	05/02/21 01:18	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		04/30/21 14:57	05/02/21 01:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*04/30/21 14:57*	*05/02/21 01:18*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*04/30/21 14:57*	*05/02/21 01:18*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/30/21 16:30	05/01/21 19:07	1

Client Sample Results

Client: AECOM
Project/Site: Lost Tank

Job ID: 880-1776-1

Client Sample ID: LTB-2 (0-1)

Lab Sample ID: 880-1776-16
Matrix: Solid
Date Collected: 04/29/21 12:40
Date Received: 04/30/21 13:35
Sample Depth: 0 - 1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		04/30/21 16:30	05/01/21 19:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/30/21 16:30	05/01/21 19:07	1
Total TPH	<49.9	U	49.9		mg/Kg		04/30/21 16:30	05/01/21 19:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*04/30/21 16:30*	*05/01/21 19:07*	*1*
o-Terphenyl	*106*		*70 - 130*	*04/30/21 16:30*	*05/01/21 19:07*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**24.0**		4.95		mg/Kg			05/05/21 20:12	1

Client Sample ID: LTB-2 (1-2)

Lab Sample ID: 880-1776-17
Matrix: Solid
Date Collected: 04/29/21 12:45
Date Received: 04/30/21 13:35
Sample Depth: 1 - 2

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04	U	5.04		mg/Kg			05/05/21 20:17	1

Client Sample ID: LTB-2 (2-3)

Lab Sample ID: 880-1776-18
Matrix: Solid
Date Collected: 04/29/21 12:50
Date Received: 04/30/21 13:35
Sample Depth: 2 - 3

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.67**		6.23		mg/Kg			05/05/21 20:22	1

Client Sample ID: LTB-2 (3-4)

Lab Sample ID: 880-1776-19
Matrix: Solid
Date Collected: 04/29/21 12:55
Date Received: 04/30/21 13:35
Sample Depth: 3 - 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.49**		5.03		mg/Kg			05/04/21 08:59	1

Client Sample ID: LTB-2 (4-5)

Lab Sample ID: 880-1776-20
Matrix: Solid
Date Collected: 04/29/21 13:00
Date Received: 04/30/21 13:35
Sample Depth: 4 - 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/30/21 14:57	05/02/21 01:43	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/30/21 14:57	05/02/21 01:43	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/30/21 14:57	05/02/21 01:43	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/30/21 14:57	05/02/21 01:43	1

Client Sample Results

Client: AECOM
Project/Site: Lost Tank

Job ID: 880-1776-1

Client Sample ID: LTB-2 (4-5)

Lab Sample ID: 880-1776-20

Date Collected: 04/29/21 13:00
Matrix: Solid
Date Received: 04/30/21 13:35
Sample Depth: 4 - 5

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/30/21 14:57	05/02/21 01:43	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/30/21 14:57	05/02/21 01:43	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/30/21 14:57	05/02/21 01:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*191*	*S1+*	*70 - 130*	*04/30/21 14:57*	*05/02/21 01:43*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*04/30/21 14:57*	*05/02/21 01:43*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/30/21 16:30	05/01/21 19:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		04/30/21 16:30	05/01/21 19:28	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/30/21 16:30	05/01/21 19:28	1
Total TPH	<50.0	U	50.0		mg/Kg		04/30/21 16:30	05/01/21 19:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*04/30/21 16:30*	*05/01/21 19:28*	*1*
o-Terphenyl	*117*		*70 - 130*	*04/30/21 16:30*	*05/01/21 19:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.87**		5.03		mg/Kg			05/04/21 09:04	1

Client Sample ID: LTB-5 (0-1)

Lab Sample ID: 880-1776-21

Date Collected: 04/29/21 13:30
Matrix: Solid
Date Received: 04/30/21 13:35
Sample Depth: 0 - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/30/21 14:57	05/02/21 02:08	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/30/21 14:57	05/02/21 02:08	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/30/21 14:57	05/02/21 02:08	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/30/21 14:57	05/02/21 02:08	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/30/21 14:57	05/02/21 02:08	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/30/21 14:57	05/02/21 02:08	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		04/30/21 14:57	05/02/21 02:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*04/30/21 14:57*	*05/02/21 02:08*	*1*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*	*04/30/21 14:57*	*05/02/21 02:08*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/30/21 16:30	05/01/21 19:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		04/30/21 16:30	05/01/21 19:49	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/30/21 16:30	05/01/21 19:49	1

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Client Sample Results

Client: AECOM
Project/Site: Lost Tank

Job ID: 880-1776-1

Client Sample ID: LTB-5 (0-1)

Lab Sample ID: 880-1776-21
Matrix: Solid
Date Collected: 04/29/21 13:30
Date Received: 04/30/21 13:35
Sample Depth: 0 - 1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg		04/30/21 16:30	05/01/21 19:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*04/30/21 16:30*	*05/01/21 19:49*	*1*
o-Terphenyl	*118*		*70 - 130*	*04/30/21 16:30*	*05/01/21 19:49*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5580		25.0		mg/Kg			05/04/21 09:09	5

Client Sample ID: LTB-5 (1-2)

Lab Sample ID: 880-1776-22
Matrix: Solid
Date Collected: 04/29/21 13:35
Date Received: 04/30/21 13:35
Sample Depth: 1 - 2

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	572		4.98		mg/Kg			05/04/21 09:24	1

Client Sample ID: LTB-5 (2-3)

Lab Sample ID: 880-1776-23
Matrix: Solid
Date Collected: 04/29/21 13:40
Date Received: 04/30/21 13:35
Sample Depth: 2 - 3

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	112		4.99		mg/Kg			05/04/21 09:29	1

Client Sample ID: LTB-5 (3-4)

Lab Sample ID: 880-1776-24
Matrix: Solid
Date Collected: 04/29/21 13:45
Date Received: 04/30/21 13:35
Sample Depth: 3 - 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	274		5.04		mg/Kg			05/04/21 09:45	1

Client Sample ID: LTB-5 (4-5)

Lab Sample ID: 880-1776-25
Matrix: Solid
Date Collected: 04/29/21 13:50
Date Received: 04/30/21 13:35
Sample Depth: 4 - 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/30/21 14:57	05/02/21 02:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/30/21 14:57	05/02/21 02:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/30/21 14:57	05/02/21 02:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/30/21 14:57	05/02/21 02:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/30/21 14:57	05/02/21 02:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/30/21 14:57	05/02/21 02:33	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/30/21 14:57	05/02/21 02:33	1

Client Sample Results

Client: AECOM
Project/Site: Lost Tank

Job ID: 880-1776-1

Client Sample ID: LTB-5 (4-5)

Date Collected: 04/29/21 13:50
Date Received: 04/30/21 13:35
Sample Depth: 4 - 5

Lab Sample ID: 880-1776-25

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*04/30/21 14:57*	*05/02/21 02:33*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*04/30/21 14:57*	*05/02/21 02:33*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		04/30/21 16:30	05/01/21 20:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0	mg/Kg		04/30/21 16:30	05/01/21 20:10	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/30/21 16:30	05/01/21 20:10	1
Total TPH	<50.0	U	50.0	mg/Kg		04/30/21 16:30	05/01/21 20:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*111*		*70 - 130*	*04/30/21 16:30*	*05/01/21 20:10*	*1*
o-Terphenyl	*119*		*70 - 130*	*04/30/21 16:30*	*05/01/21 20:10*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**565**		4.95	mg/Kg			05/04/21 09:50	1

Surrogate Summary

Client: AECOM
Project/Site: Lost Tank

Job ID: 880-1776-1

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-1776-1	LTB-1 (0-1)	123	77
880-1776-5	LTB-1 (4-5)	133 S1+	107
880-1776-6	LTB-3 (0-1)	118	97
880-1776-10	LTB-3 (4-5)	95	124
880-1776-11	LTB-4 (0-1)	136 S1+	116
880-1776-15	LTB-4 (4-5)	137 S1+	113
880-1776-16	LTB-2 (0-1)	138 S1+	112
880-1776-20	LTB-2 (4-5)	191 S1+	85
880-1776-21	LTB-5 (0-1)	138 S1+	119
880-1776-25	LTB-5 (4-5)	121	110
LCS 880-2563/1-A	Lab Control Sample	124	118
LCS 880-2659/1-A	Lab Control Sample	90	109
LCSD 880-2563/2-A	Lab Control Sample Dup	128	116
LCSD 880-2659/2-A	Lab Control Sample Dup	87	106
MB 880-2561/5-A	Method Blank	81	90
MB 880-2563/5-A	Method Blank	82	88
MB 880-2659/5-A	Method Blank	107	99
MB 880-2670/5-A	Method Blank	104	102

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-1776-1	LTB-1 (0-1)	101	105
880-1776-5	LTB-1 (4-5)	109	119
880-1776-6	LTB-3 (0-1)	96	99
880-1776-10	LTB-3 (4-5)	105	117
880-1776-11	LTB-4 (0-1)	97	97
880-1776-15	LTB-4 (4-5)	106	118
880-1776-16	LTB-2 (0-1)	104	106
880-1776-20	LTB-2 (4-5)	109	117
880-1776-21	LTB-5 (0-1)	106	118
880-1776-25	LTB-5 (4-5)	111	119
LCS 880-2571/2-A	Lab Control Sample	107	108
LCS 880-2610/2-A	Lab Control Sample	100	101
LCSD 880-2571/3-A	Lab Control Sample Dup	108	105
LCSD 880-2610/3-A	Lab Control Sample Dup	99	103
MB 880-2571/1-A	Method Blank	99	105
MB 880-2610/1-A	Method Blank	99	113

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: AECOM
Project/Site: Lost Tank

Job ID: 880-1776-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-2561/5-A
Matrix: Solid
Analysis Batch: 2546

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2561

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/30/21 14:54	05/01/21 04:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/30/21 14:54	05/01/21 04:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/21 14:54	05/01/21 04:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/30/21 14:54	05/01/21 04:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/21 14:54	05/01/21 04:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/30/21 14:54	05/01/21 04:04	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/30/21 14:54	05/01/21 04:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*04/30/21 14:54*	*05/01/21 04:04*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/30/21 14:54*	*05/01/21 04:04*	*1*

Lab Sample ID: MB 880-2563/5-A
Matrix: Solid
Analysis Batch: 2546

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2563

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/30/21 14:57	05/01/21 17:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/30/21 14:57	05/01/21 17:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/21 14:57	05/01/21 17:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/30/21 14:57	05/01/21 17:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/21 14:57	05/01/21 17:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/30/21 14:57	05/01/21 17:14	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/30/21 14:57	05/01/21 17:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*04/30/21 14:57*	*05/01/21 17:14*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*04/30/21 14:57*	*05/01/21 17:14*	*1*

Lab Sample ID: LCS 880-2563/1-A
Matrix: Solid
Analysis Batch: 2546

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2563

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.1106		mg/Kg		111	70 - 130		
Toluene			0.100	0.1119		mg/Kg		112	70 - 130		
Ethylbenzene			0.100	0.1143		mg/Kg		114	70 - 130		
m-Xylene & p-Xylene			0.200	0.2060		mg/Kg		103	70 - 130		
o-Xylene			0.100	0.1191		mg/Kg		119	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*

QC Sample Results

Client: AECOM
Project/Site: Lost Tank

Job ID: 880-1776-1

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

Lab Sample ID: LCSD 880-2563/2-A
Matrix: Solid
Analysis Batch: 2546

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 2563

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09799		mg/Kg		98	70 - 130	12	35
Toluene			0.100	0.09552		mg/Kg		96	70 - 130	16	35
Ethylbenzene			0.100	0.1063		mg/Kg		106	70 - 130	7	35
m-Xylene & p-Xylene			0.200	0.1931		mg/Kg		97	70 - 130	6	35
o-Xylene			0.100	0.1116		mg/Kg		112	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*

Lab Sample ID: MB 880-2659/5-A
Matrix: Solid
Analysis Batch: 2675

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2659

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/04/21 09:33	05/05/21 02:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/04/21 09:33	05/05/21 02:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/04/21 09:33	05/05/21 02:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/04/21 09:33	05/05/21 02:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/04/21 09:33	05/05/21 02:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/04/21 09:33	05/05/21 02:06	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		05/04/21 09:33	05/05/21 02:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*05/04/21 09:33*	*05/05/21 02:06*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/04/21 09:33*	*05/05/21 02:06*	*1*

Lab Sample ID: LCS 880-2659/1-A
Matrix: Solid
Analysis Batch: 2675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2659

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene			0.100	0.09880		mg/Kg		99	70 - 130
Toluene			0.100	0.09705		mg/Kg		97	70 - 130
Ethylbenzene			0.100	0.08728		mg/Kg		87	70 - 130
m-Xylene & p-Xylene			0.200	0.1832		mg/Kg		92	70 - 130
o-Xylene			0.100	0.09086		mg/Kg		91	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: LCSD 880-2659/2-A
Matrix: Solid
Analysis Batch: 2675

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 2659

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09254		mg/Kg		93	70 - 130	7	35

QC Sample Results

Client: AECOM
Project/Site: Lost Tank

Job ID: 880-1776-1

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

Lab Sample ID: LCSD 880-2659/2-A
Matrix: Solid
Analysis Batch: 2675

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 2659

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene			0.100	0.09289		mg/Kg		93	70 - 130	4	35
Ethylbenzene			0.100	0.08899		mg/Kg		89	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.1767		mg/Kg		88	70 - 130	4	35
o-Xylene			0.100	0.08930		mg/Kg		89	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: MB 880-2670/5-A
Matrix: Solid
Analysis Batch: 2675

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2670

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/04/21 11:18	05/04/21 15:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/04/21 11:18	05/04/21 15:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/04/21 11:18	05/04/21 15:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/04/21 11:18	05/04/21 15:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/04/21 11:18	05/04/21 15:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/04/21 11:18	05/04/21 15:00	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		05/04/21 11:18	05/04/21 15:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*05/04/21 11:18*	*05/04/21 15:00*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/04/21 11:18*	*05/04/21 15:00*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-2571/1-A
Matrix: Solid
Analysis Batch: 2589

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2571

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/30/21 16:30	05/01/21 11:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/30/21 16:30	05/01/21 11:38	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/30/21 16:30	05/01/21 11:38	1
Total TPH	<50.0	U	50.0		mg/Kg		04/30/21 16:30	05/01/21 11:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*04/30/21 16:30*	*05/01/21 11:38*	*1*
o-Terphenyl	*105*		*70 - 130*	*04/30/21 16:30*	*05/01/21 11:38*	*1*

QC Sample Results

Client: AECOM
Project/Site: Lost Tank

Job ID: 880-1776-1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-2571/2-A
Matrix: Solid
Analysis Batch: 2589

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2571

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1159		mg/Kg		116	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1112		mg/Kg		111	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*107*		*70 - 130*
o-Terphenyl	*108*		*70 - 130*

Lab Sample ID: LCSD 880-2571/3-A
Matrix: Solid
Analysis Batch: 2589

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 2571

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1057		mg/Kg		106	70 - 130	9	20
Diesel Range Organics (Over C10-C28)			1000	1325	*+	mg/Kg		132	70 - 130	17	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*108*		*70 - 130*
o-Terphenyl	*105*		*70 - 130*

Lab Sample ID: MB 880-2610/1-A
Matrix: Solid
Analysis Batch: 2603

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2610

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/03/21 10:04	05/03/21 10:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/03/21 10:04	05/03/21 10:30	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/03/21 10:04	05/03/21 10:30	1
Total TPH	<50.0	U	50.0		mg/Kg		05/03/21 10:04	05/03/21 10:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*05/03/21 10:04*	*05/03/21 10:30*	*1*
o-Terphenyl	*113*		*70 - 130*	*05/03/21 10:04*	*05/03/21 10:30*	*1*

Lab Sample ID: LCS 880-2610/2-A
Matrix: Solid
Analysis Batch: 2603

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2610

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1072		mg/Kg		107	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1030		mg/Kg		103	70 - 130		

QC Sample Results

Client: AECOM
Project/Site: Lost Tank

Job ID: 880-1776-1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-2610/2-A
Matrix: Solid
Analysis Batch: 2603

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2610

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	101		70 - 130

Lab Sample ID: LCSD 880-2610/3-A
Matrix: Solid
Analysis Batch: 2603

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 2610

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1083		mg/Kg		108	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1057		mg/Kg		106	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	103		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-2568/1-A
Matrix: Solid
Analysis Batch: 2662

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/04/21 07:41	1

Lab Sample ID: LCS 880-2568/2-A
Matrix: Solid
Analysis Batch: 2662

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	251.3		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-2568/3-A
Matrix: Solid
Analysis Batch: 2662

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	251.0		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-1776-21 MS
Matrix: Solid
Analysis Batch: 2662

Client Sample ID: LTB-5 (0-1)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	5580		250	6860	4	mg/Kg		512	90 - 110		

QC Sample Results

Client: AECOM
Project/Site: Lost Tank

Job ID: 880-1776-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-2678/1-A
Matrix: Solid
Analysis Batch: 2727

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/05/21 14:05	1

Lab Sample ID: LCS 880-2678/2-A
Matrix: Solid
Analysis Batch: 2727

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	233.1		mg/Kg		93	90 - 110		

Lab Sample ID: LCSD 880-2678/3-A
Matrix: Solid
Analysis Batch: 2727

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	226.5		mg/Kg		91	90 - 110	3	20

Lab Sample ID: 880-1776-1 MS
Matrix: Solid
Analysis Batch: 2727

Client Sample ID: LTB-1 (0-1)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	25.9		249	258.9		mg/Kg		94	90 - 110		

Lab Sample ID: 880-1776-1 MSD
Matrix: Solid
Analysis Batch: 2727

Client Sample ID: LTB-1 (0-1)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	25.9		249	255.5		mg/Kg		92	90 - 110	1	20

Lab Sample ID: MB 880-2729/1-A
Matrix: Solid
Analysis Batch: 2730

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/05/21 19:12	1

Lab Sample ID: LCS 880-2729/2-A
Matrix: Solid
Analysis Batch: 2730

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	247.6		mg/Kg		99	90 - 110		

Lab Sample ID: LCSD 880-2729/3-A
Matrix: Solid
Analysis Batch: 2730

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	248.0		mg/Kg		99	90 - 110	0	20

QC Sample Results

Client: AECOM
Project/Site: Lost Tank

Job ID: 880-1776-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-1776-11 MS
Matrix: Solid
Analysis Batch: 2730

Client Sample ID: LTB-4 (0-1)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	42.1		249	287.4		mg/Kg		99	90 - 110		

Lab Sample ID: 880-1776-11 MSD
Matrix: Solid
Analysis Batch: 2730

Client Sample ID: LTB-4 (0-1)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	42.1		249	287.3		mg/Kg		99	90 - 110	0	20

QC Association Summary

Client: AECOM
Project/Site: Lost Tank

Job ID: 880-1776-1

GC VOA

Analysis Batch: 2546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1776-1	LTB-1 (0-1)	Total/NA	Solid	8021B	2563
880-1776-5	LTB-1 (4-5)	Total/NA	Solid	8021B	2563
880-1776-6	LTB-3 (0-1)	Total/NA	Solid	8021B	2563
880-1776-11	LTB-4 (0-1)	Total/NA	Solid	8021B	2563
880-1776-15	LTB-4 (4-5)	Total/NA	Solid	8021B	2563
880-1776-16	LTB-2 (0-1)	Total/NA	Solid	8021B	2563
880-1776-20	LTB-2 (4-5)	Total/NA	Solid	8021B	2563
880-1776-21	LTB-5 (0-1)	Total/NA	Solid	8021B	2563
880-1776-25	LTB-5 (4-5)	Total/NA	Solid	8021B	2563
MB 880-2561/5-A	Method Blank	Total/NA	Solid	8021B	2561
MB 880-2563/5-A	Method Blank	Total/NA	Solid	8021B	2563
LCS 880-2563/1-A	Lab Control Sample	Total/NA	Solid	8021B	2563
LCSD 880-2563/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2563

Prep Batch: 2561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-2561/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 2563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1776-1	LTB-1 (0-1)	Total/NA	Solid	5035	
880-1776-5	LTB-1 (4-5)	Total/NA	Solid	5035	
880-1776-6	LTB-3 (0-1)	Total/NA	Solid	5035	
880-1776-11	LTB-4 (0-1)	Total/NA	Solid	5035	
880-1776-15	LTB-4 (4-5)	Total/NA	Solid	5035	
880-1776-16	LTB-2 (0-1)	Total/NA	Solid	5035	
880-1776-20	LTB-2 (4-5)	Total/NA	Solid	5035	
880-1776-21	LTB-5 (0-1)	Total/NA	Solid	5035	
880-1776-25	LTB-5 (4-5)	Total/NA	Solid	5035	
MB 880-2563/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2563/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2563/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 2659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1776-10	LTB-3 (4-5)	Total/NA	Solid	5035	
MB 880-2659/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2659/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2659/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 2670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-2670/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 2675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1776-10	LTB-3 (4-5)	Total/NA	Solid	8021B	2659
MB 880-2659/5-A	Method Blank	Total/NA	Solid	8021B	2659
MB 880-2670/5-A	Method Blank	Total/NA	Solid	8021B	2670
LCS 880-2659/1-A	Lab Control Sample	Total/NA	Solid	8021B	2659
LCSD 880-2659/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2659

QC Association Summary

Client: AECOM
Project/Site: Lost Tank

Job ID: 880-1776-1

GC Semi VOA

Prep Batch: 2571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1776-1	LTB-1 (0-1)	Total/NA	Solid	8015NM Prep	
880-1776-5	LTB-1 (4-5)	Total/NA	Solid	8015NM Prep	
880-1776-6	LTB-3 (0-1)	Total/NA	Solid	8015NM Prep	
880-1776-11	LTB-4 (0-1)	Total/NA	Solid	8015NM Prep	
880-1776-15	LTB-4 (4-5)	Total/NA	Solid	8015NM Prep	
880-1776-16	LTB-2 (0-1)	Total/NA	Solid	8015NM Prep	
880-1776-20	LTB-2 (4-5)	Total/NA	Solid	8015NM Prep	
880-1776-21	LTB-5 (0-1)	Total/NA	Solid	8015NM Prep	
880-1776-25	LTB-5 (4-5)	Total/NA	Solid	8015NM Prep	
MB 880-2571/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2571/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2571/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 2589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1776-1	LTB-1 (0-1)	Total/NA	Solid	8015B NM	2571
880-1776-5	LTB-1 (4-5)	Total/NA	Solid	8015B NM	2571
880-1776-6	LTB-3 (0-1)	Total/NA	Solid	8015B NM	2571
880-1776-11	LTB-4 (0-1)	Total/NA	Solid	8015B NM	2571
880-1776-15	LTB-4 (4-5)	Total/NA	Solid	8015B NM	2571
880-1776-16	LTB-2 (0-1)	Total/NA	Solid	8015B NM	2571
880-1776-20	LTB-2 (4-5)	Total/NA	Solid	8015B NM	2571
880-1776-21	LTB-5 (0-1)	Total/NA	Solid	8015B NM	2571
880-1776-25	LTB-5 (4-5)	Total/NA	Solid	8015B NM	2571
MB 880-2571/1-A	Method Blank	Total/NA	Solid	8015B NM	2571
LCS 880-2571/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2571
LCSD 880-2571/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2571

Analysis Batch: 2603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1776-10	LTB-3 (4-5)	Total/NA	Solid	8015B NM	2610
MB 880-2610/1-A	Method Blank	Total/NA	Solid	8015B NM	2610
LCS 880-2610/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2610
LCSD 880-2610/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2610

Prep Batch: 2610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1776-10	LTB-3 (4-5)	Total/NA	Solid	8015NM Prep	
MB 880-2610/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2610/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2610/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 2568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1776-19	LTB-2 (3-4)	Soluble	Solid	DI Leach	
880-1776-20	LTB-2 (4-5)	Soluble	Solid	DI Leach	
880-1776-21	LTB-5 (0-1)	Soluble	Solid	DI Leach	
880-1776-22	LTB-5 (1-2)	Soluble	Solid	DI Leach	
880-1776-23	LTB-5 (2-3)	Soluble	Solid	DI Leach	

QC Association Summary

Client: AECOM
Project/Site: Lost Tank

Job ID: 880-1776-1

HPLC/IC (Continued)

Leach Batch: 2568 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1776-24	LTB-5 (3-4)	Soluble	Solid	DI Leach	
880-1776-25	LTB-5 (4-5)	Soluble	Solid	DI Leach	
MB 880-2568/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2568/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2568/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-1776-21 MS	LTB-5 (0-1)	Soluble	Solid	DI Leach	
880-1776-21 MSD	LTB-5 (0-1)	Soluble	Solid	DI Leach	

Analysis Batch: 2662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1776-19	LTB-2 (3-4)	Soluble	Solid	300.0	2568
880-1776-20	LTB-2 (4-5)	Soluble	Solid	300.0	2568
880-1776-21	LTB-5 (0-1)	Soluble	Solid	300.0	2568
880-1776-22	LTB-5 (1-2)	Soluble	Solid	300.0	2568
880-1776-23	LTB-5 (2-3)	Soluble	Solid	300.0	2568
880-1776-24	LTB-5 (3-4)	Soluble	Solid	300.0	2568
880-1776-25	LTB-5 (4-5)	Soluble	Solid	300.0	2568
MB 880-2568/1-A	Method Blank	Soluble	Solid	300.0	2568
LCS 880-2568/2-A	Lab Control Sample	Soluble	Solid	300.0	2568
LCSD 880-2568/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2568
880-1776-21 MS	LTB-5 (0-1)	Soluble	Solid	300.0	2568
880-1776-21 MSD	LTB-5 (0-1)	Soluble	Solid	300.0	2568

Leach Batch: 2678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1776-1	LTB-1 (0-1)	Soluble	Solid	DI Leach	
880-1776-2	LTB-1 (1-2)	Soluble	Solid	DI Leach	
880-1776-3	LTB-1 (2-3)	Soluble	Solid	DI Leach	
880-1776-4	LTB-1 (3-4)	Soluble	Solid	DI Leach	
880-1776-5	LTB-1 (4-5)	Soluble	Solid	DI Leach	
880-1776-6	LTB-3 (0-1)	Soluble	Solid	DI Leach	
880-1776-7	LTB-3 (1-2)	Soluble	Solid	DI Leach	
880-1776-8	LTB-3 (2-3)	Soluble	Solid	DI Leach	
880-1776-9	LTB-3 (3-4)	Soluble	Solid	DI Leach	
880-1776-10	LTB-3 (4-5)	Soluble	Solid	DI Leach	
MB 880-2678/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2678/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2678/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-1776-1 MS	LTB-1 (0-1)	Soluble	Solid	DI Leach	
880-1776-1 MSD	LTB-1 (0-1)	Soluble	Solid	DI Leach	

Analysis Batch: 2727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1776-1	LTB-1 (0-1)	Soluble	Solid	300.0	2678
880-1776-2	LTB-1 (1-2)	Soluble	Solid	300.0	2678
880-1776-3	LTB-1 (2-3)	Soluble	Solid	300.0	2678
880-1776-4	LTB-1 (3-4)	Soluble	Solid	300.0	2678
880-1776-5	LTB-1 (4-5)	Soluble	Solid	300.0	2678
880-1776-6	LTB-3 (0-1)	Soluble	Solid	300.0	2678
880-1776-7	LTB-3 (1-2)	Soluble	Solid	300.0	2678
880-1776-8	LTB-3 (2-3)	Soluble	Solid	300.0	2678

QC Association Summary

Client: AECOM
Project/Site: Lost Tank

Job ID: 880-1776-1

HPLC/IC (Continued)

Analysis Batch: 2727 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1776-9	LTB-3 (3-4)	Soluble	Solid	300.0	2678
880-1776-10	LTB-3 (4-5)	Soluble	Solid	300.0	2678
MB 880-2678/1-A	Method Blank	Soluble	Solid	300.0	2678
LCS 880-2678/2-A	Lab Control Sample	Soluble	Solid	300.0	2678
LCSD 880-2678/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2678
880-1776-1 MS	LTB-1 (0-1)	Soluble	Solid	300.0	2678
880-1776-1 MSD	LTB-1 (0-1)	Soluble	Solid	300.0	2678

Leach Batch: 2729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1776-11	LTB-4 (0-1)	Soluble	Solid	DI Leach	
880-1776-12	LTB-4 (1-2)	Soluble	Solid	DI Leach	
880-1776-13	LTB-4 (2-3)	Soluble	Solid	DI Leach	
880-1776-14	LTB-4 (3-4)	Soluble	Solid	DI Leach	
880-1776-15	LTB-4 (4-5)	Soluble	Solid	DI Leach	
880-1776-16	LTB-2 (0-1)	Soluble	Solid	DI Leach	
880-1776-17	LTB-2 (1-2)	Soluble	Solid	DI Leach	
880-1776-18	LTB-2 (2-3)	Soluble	Solid	DI Leach	
MB 880-2729/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2729/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2729/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-1776-11 MS	LTB-4 (0-1)	Soluble	Solid	DI Leach	
880-1776-11 MSD	LTB-4 (0-1)	Soluble	Solid	DI Leach	

Analysis Batch: 2730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1776-11	LTB-4 (0-1)	Soluble	Solid	300.0	2729
880-1776-12	LTB-4 (1-2)	Soluble	Solid	300.0	2729
880-1776-13	LTB-4 (2-3)	Soluble	Solid	300.0	2729
880-1776-14	LTB-4 (3-4)	Soluble	Solid	300.0	2729
880-1776-15	LTB-4 (4-5)	Soluble	Solid	300.0	2729
880-1776-16	LTB-2 (0-1)	Soluble	Solid	300.0	2729
880-1776-17	LTB-2 (1-2)	Soluble	Solid	300.0	2729
880-1776-18	LTB-2 (2-3)	Soluble	Solid	300.0	2729
MB 880-2729/1-A	Method Blank	Soluble	Solid	300.0	2729
LCS 880-2729/2-A	Lab Control Sample	Soluble	Solid	300.0	2729
LCSD 880-2729/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2729
880-1776-11 MS	LTB-4 (0-1)	Soluble	Solid	300.0	2729
880-1776-11 MSD	LTB-4 (0-1)	Soluble	Solid	300.0	2729

Lab Chronicle

Client: AECOM
Project/Site: Lost Tank

Job ID: 880-1776-1

Client Sample ID: LTB-1 (0-1)
Lab Sample ID: 880-1776-1
Date Collected: 04/29/21 10:10
Matrix: Solid
Date Received: 04/30/21 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2563	04/30/21 14:57	KL	XM
Total/NA	Analysis	8021B		1	2546	05/01/21 23:12	MR	XM
Total/NA	Prep	8015NM Prep			2571	04/30/21 16:30	DM	XM
Total/NA	Analysis	8015B NM		1	2589	05/01/21 17:00	AJ	XM
Soluble	Leach	DI Leach			2678	05/04/21 12:19	SC	XM
Soluble	Analysis	300.0		1	2727	05/05/21 14:21	WP	XM

Client Sample ID: LTB-1 (1-2)
Lab Sample ID: 880-1776-2
Date Collected: 04/29/21 10:15
Matrix: Solid
Date Received: 04/30/21 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2678	05/04/21 12:19	SC	XM
Soluble	Analysis	300.0		1	2727	05/05/21 14:37	WP	XM

Client Sample ID: LTB-1 (2-3)
Lab Sample ID: 880-1776-3
Date Collected: 04/29/21 10:20
Matrix: Solid
Date Received: 04/30/21 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2678	05/04/21 12:19	SC	XM
Soluble	Analysis	300.0		1	2727	05/05/21 14:42	WP	XM

Client Sample ID: LTB-1 (3-4)
Lab Sample ID: 880-1776-4
Date Collected: 04/29/21 10:25
Matrix: Solid
Date Received: 04/30/21 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2678	05/04/21 12:19	SC	XM
Soluble	Analysis	300.0		1	2727	05/05/21 14:48	WP	XM

Client Sample ID: LTB-1 (4-5)
Lab Sample ID: 880-1776-5
Date Collected: 04/29/21 10:30
Matrix: Solid
Date Received: 04/30/21 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2563	04/30/21 14:57	KL	XM
Total/NA	Analysis	8021B		1	2546	05/01/21 23:37	MR	XM
Total/NA	Prep	8015NM Prep			2571	04/30/21 16:30	DM	XM
Total/NA	Analysis	8015B NM		1	2589	05/01/21 17:43	AJ	XM
Soluble	Leach	DI Leach			2678	05/04/21 12:19	SC	XM
Soluble	Analysis	300.0		1	2727	05/05/21 14:53	WP	XM

Lab Chronicle

Client: AECOM
Project/Site: Lost Tank

Job ID: 880-1776-1

Client Sample ID: LTB-3 (0-1)

Lab Sample ID: 880-1776-6
Matrix: Solid
Date Collected: 04/29/21 11:00
Date Received: 04/30/21 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2563	04/30/21 14:57	KL	XM
Total/NA	Analysis	8021B		1	2546	05/02/21 00:02	MR	XM
Total/NA	Prep	8015NM Prep			2571	04/30/21 16:30	DM	XM
Total/NA	Analysis	8015B NM		1	2589	05/01/21 18:04	AJ	XM
Soluble	Leach	DI Leach			2678	05/04/21 12:19	SC	XM
Soluble	Analysis	300.0		1	2727	05/05/21 15:09	WP	XM

Client Sample ID: LTB-3 (1-2)

Lab Sample ID: 880-1776-7
Matrix: Solid
Date Collected: 04/29/21 11:05
Date Received: 04/30/21 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2678	05/04/21 12:19	SC	XM
Soluble	Analysis	300.0		1	2727	05/05/21 15:15	WP	XM

Client Sample ID: LTB-3 (2-3)

Lab Sample ID: 880-1776-8
Matrix: Solid
Date Collected: 04/29/21 11:10
Date Received: 04/30/21 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2678	05/04/21 12:19	SC	XM
Soluble	Analysis	300.0		1	2727	05/05/21 15:20	WP	XM

Client Sample ID: LTB-3 (3-4)

Lab Sample ID: 880-1776-9
Matrix: Solid
Date Collected: 04/29/21 11:15
Date Received: 04/30/21 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2678	05/04/21 12:19	SC	XM
Soluble	Analysis	300.0		1	2727	05/05/21 15:25	WP	XM

Client Sample ID: LTB-3 (4-5)

Lab Sample ID: 880-1776-10
Matrix: Solid
Date Collected: 04/29/21 11:20
Date Received: 04/30/21 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2659	05/04/21 09:33	KL	XM
Total/NA	Analysis	8021B		1	2675	05/05/21 03:31	KL	XM
Total/NA	Prep	8015NM Prep			2610	05/03/21 10:04	DM	XM
Total/NA	Analysis	8015B NM		1	2603	05/03/21 19:40	AJ	XM
Soluble	Leach	DI Leach			2678	05/04/21 12:19	SC	XM
Soluble	Analysis	300.0		1	2727	05/05/21 15:31	WP	XM

Lab Chronicle

Client: AECOM
Project/Site: Lost Tank

Job ID: 880-1776-1

Client Sample ID: LTB-4 (0-1)

Lab Sample ID: 880-1776-11
Matrix: Solid
Date Collected: 04/29/21 12:05
Date Received: 04/30/21 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2563	04/30/21 14:57	KL	XM
Total/NA	Analysis	8021B		1	2546	05/02/21 00:27	MR	XM
Total/NA	Prep	8015NM Prep			2571	04/30/21 16:30	DM	XM
Total/NA	Analysis	8015B NM		1	2589	05/01/21 18:25	AJ	XM
Soluble	Leach	DI Leach			2729	05/05/21 13:28	SC	XM
Soluble	Analysis	300.0		1	2730	05/05/21 19:27	WP	XM

Client Sample ID: LTB-4 (1-2)

Lab Sample ID: 880-1776-12
Matrix: Solid
Date Collected: 04/29/21 12:10
Date Received: 04/30/21 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2729	05/05/21 13:29	SC	XM
Soluble	Analysis	300.0		1	2730	05/05/21 19:42	WP	XM

Client Sample ID: LTB-4 (2-3)

Lab Sample ID: 880-1776-13
Matrix: Solid
Date Collected: 04/29/21 12:15
Date Received: 04/30/21 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2729	05/05/21 13:29	SC	XM
Soluble	Analysis	300.0		1	2730	05/05/21 19:47	WP	XM

Client Sample ID: LTB-4 (3-4)

Lab Sample ID: 880-1776-14
Matrix: Solid
Date Collected: 04/29/21 12:20
Date Received: 04/30/21 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2729	05/05/21 13:29	SC	XM
Soluble	Analysis	300.0		1	2730	05/05/21 19:52	WP	XM

Client Sample ID: LTB-4 (4-5)

Lab Sample ID: 880-1776-15
Matrix: Solid
Date Collected: 04/29/21 12:25
Date Received: 04/30/21 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2563	04/30/21 14:57	KL	XM
Total/NA	Analysis	8021B		1	2546	05/02/21 00:52	MR	XM
Total/NA	Prep	8015NM Prep			2571	04/30/21 16:30	DM	XM
Total/NA	Analysis	8015B NM		1	2589	05/01/21 18:46	AJ	XM
Soluble	Leach	DI Leach			2729	05/05/21 13:29	SC	XM
Soluble	Analysis	300.0		1	2730	05/05/21 19:57	WP	XM

Lab Chronicle

Client: AECOM
Project/Site: Lost Tank

Job ID: 880-1776-1

Client Sample ID: LTB-2 (0-1)

Lab Sample ID: 880-1776-16
Matrix: Solid
Date Collected: 04/29/21 12:40
Date Received: 04/30/21 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2563	04/30/21 14:57	KL	XM
Total/NA	Analysis	8021B		1	2546	05/02/21 01:18	MR	XM
Total/NA	Prep	8015NM Prep			2571	04/30/21 16:30	DM	XM
Total/NA	Analysis	8015B NM		1	2589	05/01/21 19:07	AJ	XM
Soluble	Leach	DI Leach			2729	05/05/21 13:29	SC	XM
Soluble	Analysis	300.0		1	2730	05/05/21 20:12	WP	XM

Client Sample ID: LTB-2 (1-2)

Lab Sample ID: 880-1776-17
Matrix: Solid
Date Collected: 04/29/21 12:45
Date Received: 04/30/21 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2729	05/05/21 13:29	SC	XM
Soluble	Analysis	300.0		1	2730	05/05/21 20:17	WP	XM

Client Sample ID: LTB-2 (2-3)

Lab Sample ID: 880-1776-18
Matrix: Solid
Date Collected: 04/29/21 12:50
Date Received: 04/30/21 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2729	05/05/21 13:29	SC	XM
Soluble	Analysis	300.0		1	2730	05/05/21 20:22	WP	XM

Client Sample ID: LTB-2 (3-4)

Lab Sample ID: 880-1776-19
Matrix: Solid
Date Collected: 04/29/21 12:55
Date Received: 04/30/21 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2568	04/30/21 15:14	CH	XM
Soluble	Analysis	300.0		1	2662	05/04/21 08:59	WP	XM

Client Sample ID: LTB-2 (4-5)

Lab Sample ID: 880-1776-20
Matrix: Solid
Date Collected: 04/29/21 13:00
Date Received: 04/30/21 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2563	04/30/21 14:57	KL	XM
Total/NA	Analysis	8021B		1	2546	05/02/21 01:43	MR	XM
Total/NA	Prep	8015NM Prep			2571	04/30/21 16:30	DM	XM
Total/NA	Analysis	8015B NM		1	2589	05/01/21 19:28	AJ	XM
Soluble	Leach	DI Leach			2568	04/30/21 15:14	CH	XM
Soluble	Analysis	300.0		1	2662	05/04/21 09:04	WP	XM

Lab Chronicle

Client: AECOM
Project/Site: Lost Tank

Job ID: 880-1776-1

Client Sample ID: LTB-5 (0-1)

Lab Sample ID: 880-1776-21
Matrix: Solid
Date Collected: 04/29/21 13:30
Date Received: 04/30/21 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2563	04/30/21 14:57	KL	XM
Total/NA	Analysis	8021B		1	2546	05/02/21 02:08	MR	XM
Total/NA	Prep	8015NM Prep			2571	04/30/21 16:30	DM	XM
Total/NA	Analysis	8015B NM		1	2589	05/01/21 19:49	AJ	XM
Soluble	Leach	DI Leach			2568	04/30/21 15:14	CH	XM
Soluble	Analysis	300.0		5	2662	05/04/21 09:09	WP	XM

Client Sample ID: LTB-5 (1-2)

Lab Sample ID: 880-1776-22
Matrix: Solid
Date Collected: 04/29/21 13:35
Date Received: 04/30/21 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2568	04/30/21 15:14	CH	XM
Soluble	Analysis	300.0		1	2662	05/04/21 09:24	WP	XM

Client Sample ID: LTB-5 (2-3)

Lab Sample ID: 880-1776-23
Matrix: Solid
Date Collected: 04/29/21 13:40
Date Received: 04/30/21 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2568	04/30/21 15:14	CH	XM
Soluble	Analysis	300.0		1	2662	05/04/21 09:29	WP	XM

Client Sample ID: LTB-5 (3-4)

Lab Sample ID: 880-1776-24
Matrix: Solid
Date Collected: 04/29/21 13:45
Date Received: 04/30/21 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2568	04/30/21 15:14	CH	XM
Soluble	Analysis	300.0		1	2662	05/04/21 09:45	WP	XM

Client Sample ID: LTB-5 (4-5)

Lab Sample ID: 880-1776-25
Matrix: Solid
Date Collected: 04/29/21 13:50
Date Received: 04/30/21 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2563	04/30/21 14:57	KL	XM
Total/NA	Analysis	8021B		1	2546	05/02/21 02:33	MR	XM
Total/NA	Prep	8015NM Prep			2571	04/30/21 16:30	DM	XM
Total/NA	Analysis	8015B NM		1	2589	05/01/21 20:10	AJ	XM
Soluble	Leach	DI Leach			2568	04/30/21 15:14	CH	XM
Soluble	Analysis	300.0		1	2662	05/04/21 09:50	WP	XM

Laboratory References:

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

Accreditation/Certification Summary

Client: AECOM
Project/Site: Lost Tank

Job ID: 880-1776-1

Laboratory: Eurofins Xenco, Midland

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

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

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

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

Method Summary

Client: AECOM
Project/Site: Lost Tank

Job ID: 880-1776-1

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

Protocol References:

ASTM = ASTM International

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

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

Laboratory References:

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

Sample Summary

Client: AECOM
Project/Site: Lost Tank

Job ID: 880-1776-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-1776-1	LTB-1 (0-1)	Solid	04/29/21 10:10	04/30/21 13:35	0 - 1
880-1776-2	LTB-1 (1-2)	Solid	04/29/21 10:15	04/30/21 13:35	1 - 2
880-1776-3	LTB-1 (2-3)	Solid	04/29/21 10:20	04/30/21 13:35	2 - 3
880-1776-4	LTB-1 (3-4)	Solid	04/29/21 10:25	04/30/21 13:35	3 - 4
880-1776-5	LTB-1 (4-5)	Solid	04/29/21 10:30	04/30/21 13:35	4 - 5
880-1776-6	LTB-3 (0-1)	Solid	04/29/21 11:00	04/30/21 13:35	0 - 1
880-1776-7	LTB-3 (1-2)	Solid	04/29/21 11:05	04/30/21 13:35	1 - 2
880-1776-8	LTB-3 (2-3)	Solid	04/29/21 11:10	04/30/21 13:35	2 - 3
880-1776-9	LTB-3 (3-4)	Solid	04/29/21 11:15	04/30/21 13:35	3 - 4
880-1776-10	LTB-3 (4-5)	Solid	04/29/21 11:20	04/30/21 13:35	4 - 5
880-1776-11	LTB-4 (0-1)	Solid	04/29/21 12:05	04/30/21 13:35	0 - 1
880-1776-12	LTB-4 (1-2)	Solid	04/29/21 12:10	04/30/21 13:35	1 - 2
880-1776-13	LTB-4 (2-3)	Solid	04/29/21 12:15	04/30/21 13:35	2 - 3
880-1776-14	LTB-4 (3-4)	Solid	04/29/21 12:20	04/30/21 13:35	3 - 4
880-1776-15	LTB-4 (4-5)	Solid	04/29/21 12:25	04/30/21 13:35	4 - 5
880-1776-16	LTB-2 (0-1)	Solid	04/29/21 12:40	04/30/21 13:35	0 - 1
880-1776-17	LTB-2 (1-2)	Solid	04/29/21 12:45	04/30/21 13:35	1 - 2
880-1776-18	LTB-2 (2-3)	Solid	04/29/21 12:50	04/30/21 13:35	2 - 3
880-1776-19	LTB-2 (3-4)	Solid	04/29/21 12:55	04/30/21 13:35	3 - 4
880-1776-20	LTB-2 (4-5)	Solid	04/29/21 13:00	04/30/21 13:35	4 - 5
880-1776-21	LTB-5 (0-1)	Solid	04/29/21 13:30	04/30/21 13:35	0 - 1
880-1776-22	LTB-5 (1-2)	Solid	04/29/21 13:35	04/30/21 13:35	1 - 2
880-1776-23	LTB-5 (2-3)	Solid	04/29/21 13:40	04/30/21 13:35	2 - 3
880-1776-24	LTB-5 (3-4)	Solid	04/29/21 13:45	04/30/21 13:35	3 - 4
880-1776-25	LTB-5 (4-5)	Solid	04/29/21 13:50	04/30/21 13:35	4 - 5

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Houston, TX
Midland, TX (4.
EL Paso, TX (9
Hobbs, NM (5

880-1776 Chain of Custody

Work Order No: 1776

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Project Manager	Brad Wynne	Bill to (if different)	Same
Company Name	AECOM	Company Name	
Address	13355 Noel Rd. Suite 400	Address	
City State ZIP	Dallas, TX 75240	City State ZIP	
Phone	214-971-1829	Email	Bradley.wynne@AECOM.com

Work Order Comments

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

Project Name	Lost Tank	Turn Around	☒ Routine ☐ Rush
Project Number	606572116	Due Date	
Project Location	New Mexico	TAT starts the day received by the lab, if received by 4.30pm	
Sampler's Name	James Lovely		
PO #	606572116		

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID	TP8
Cooler Custody Seals:	Yes No (N/A)	Correction Factor	+0.5
Sample Custody Seals:	Yes No (N/A)	Temperature Reading	2.6
Total Containers		Corrected Temperature	3.1

Preservative Codes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Chloride EPA 300	TPH - 8015M	BTEX - 8021B
LTB-1 (0-1)	Soil	4/29/21	1010	0-1	Grab	2	X	X	X
LTB-1 (1-2)			1015	1-2		1	X		
LTB-1 (2-3)			1020	2-3		1	X		
LTB-1 (3-4)			1025	3-4		1	X		
LTB-1 (4-5)			1030	4-5		2	X	X	X
LTB-3 (0-1)			1100	0-1		2	X	X	X
LTB-3 (1-2)			1105	1-2		1	X		
LTB-3 (2-3)			1110	2-3		1	X		
LTB-3 (3-4)			1115	3-4		1	X		
LTB-3 (4-5)			1120	4-5		2	X	X	X

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 SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631 / 245 1 / 7470 / 7471

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1	Kelly	4/30/20 1335	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev 2020.2

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Chain of Custody

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

Work Order No: _____

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Project Manager	Brad Wynne	Bill to (if different)	Same
Company Name	AECOM	Company Name	
Address	13355 Noel Rd. Suite 400	Address	
City State ZIP	Dallas, TX 75240	City State ZIP	
Phone	214-971-1829	Email	Bradley.Wynne@AECOM.com

Work Order Comments

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

Project Name	Lost Tank	Turn Around	☒ Routine ☐ Rush
Project Number	60657216	Due Date	
Project Location	New Mexico	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name	James Lovely		
PO #	60657216		

SAMPLE RECEIPT				
Temp Blank	Yes (No)	Wet Ice	(Yes) No	
Samples Received Intact	(Yes) No	Thermometer ID	IR8	
Cooler Custody Seals	Yes No (N/A)	Correction Factor	+0.5	
Sample Custody Seals	Yes No (N/A)	Temperature Reading	2.6	
Total Containers		Corrected Temperature	3.1	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Chloride EPA 300	TPH - 8015M	BTEX - 8021B
LTB-4 (0-1)	Soil	4/29/21	1205	0-1	Grab	2	X	X	X
LTB-4 (1-2)			1210	1-2		1	X		
LTB-4 (2-3)			1215	2-3		1	X		
LTB-4 (3-4)			1220	3-4		1	X		
LTB-4 (4-5)			1225	4-5		2	X	X	X
LTB-2 (0-1)			1240	0-1		2	X	X	X
LTB-2 (1-2)			1245	1-2		1	X		
LTB-2 (2-3)			1250	2-3		1	X		
LTB-2 (3-4)			1255	3-4		1	X		
LTB-2 (4-5)			1300	4-5		2	X	X	X

Preservative Codes

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

Sample 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 SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631 / 245.1 / 7470 / 7471

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1		4/30/20 1335	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev 2020.2

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Chain of Custody

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

Work Order No: _____

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Project Manager·	Brad Wynne	Bill to (if different)	Same
Company Name·	AECOM	Company Name·	
Address.	13355 Noel Rd Suite 400	Address.	
City, State ZIP·	Dallas, TX 75240	City, State ZIP·	
Phone	214-971-1829	Email	Bradley.Wynne@AECOM.com

Work Order Comments

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

Project Name	Lost Tank	Turn Around	☒ Routine ☐ Rush
Project Number·	606572216	Due Date	
Project Location	New Mexico	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name·	James Lovely		
P O #	606572216		

SAMPLE RECEIPT	Temp Blank.	Yes No	Wet Ice·	Yes No
Samples Received Intact:	Yes No	Thermometer ID		
Cooler Custody Seals	Yes No N/A	Correction Factor·		
Sample Custody Seals	Yes No N/A	Temperature Reading		
Total Containers		Corrected Temperature·		

Preservative Codes

None NO · DI Water· H_2O
Cool Cool · MeOH Me
HCL. HC · HNO_3 HN
H_2SO_4 H_2 · NaOH Na
H_3PO_4 HP
NaHSO 4 NABIS
$Na_2S_2O_3$ NaSO 3
Zn Acetate+NaOH Zn
NaOH+Ascorbic Acid SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: Chloride EPA 300	TPH - 8015M	BTEX - 8021B	Sample Comments
LTB-5 (0-1)	So:1	4/29/21	1330	0-1	Grab	2		X	X	X	
LTB-5 (1-2)			1335	1-2		1		X			
LTB-5 (2-3)			1340	2-3		1		X			
LTB-5 (3-4)			1345	3-4		1		X			
LTB-5 (4-5)	↓	↓	1350	4-5	↓	2		X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631 / 245 1 / 7470 / 7471

Relinquished by· (Signature)	Received by· (Signature)	Date/Time	Relinquished by· (Signature)	Received by· (Signature)	Date/Time
1		4/30/20 1335	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev 2020.2

Login Sample Receipt Checklist

Client: AECOM Job Number: 880-1776-1

Login Number: 1776 **List Source: Eurofins Midland**
List Number: 1
Creator: Teel, Brianna

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

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 37158

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 37158
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	Chevron's deferral requests to complete final remediation during any future major construction/alteration or final plugging and abandonment, whichever occurs first is approved. The deferred C-141 will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue.	8/24/2021