Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2134844762
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☒ Description of remediation activities

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

Printed Name: Stephen W. Weathers, P.G. Title: Principal Environmental Specialist

Signature: Date: 03-10-22

email: SWWeathers@dcpmidstream.com Telephone: 303.619.3042

OCD Only

Received by: Robert Hamlet Date: 9/14/2022

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

Closure Approved by: Robert Hamlet Date: 9/14/2022

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2134844762
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?	15 (ft bgs)
Did this release impact groundwater or surface water?	☒ Yes ☐ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☒ Yes ☐ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☒ Yes ☐ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2134844762
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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: Stephen W. Weathers, P.G.

Title: Principal Environmental Specialist

Signature: _____

Date: 3-10-22

email: SWWeathers@dcpmidstream.com

Telephone: 303.619.3042

OCD Only

Received by: _____

Date: _____

Form C-141
Page 5

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2134844762
District RP	
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Application ID	

Remediation Plan

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

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

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

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Stephen W. Weathers, P.G. Title: Principal Environmental Specialist

Signature: _____ Date: 03-10-22

email: SWWeathers@dcpmidstream.com Telephone: 303.619.3042

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2134844762
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Closure

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

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

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

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

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

☒ Description of remediation activities

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

Printed Name: Stephen W. Weathers, P.G. Title: Principal Environmental Specialist

Signature: _____ Date: 03-10-22

email: SWWeathers@dcpmidstream.com Telephone: 303.619.3042

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

talonlpe.com • 866.742.0742

TALON LPE

Remediation and Closure Report

10220D Gathering Line Release
K-12-24S-28E
Eddy County, New Mexico
Incident # nAPP2134844762

Prepared For:

DCP Midstream, LP
370 17th Street, Suite 2500
Denver, CO 80202-5604

Prepared By:

Talon/LPE
408 W. Texas Avenue
Artesia, New Mexico 88210

March 18, 2022

Mike Bratcher
NMOCD
811 S. First Street
Artesia, NM 88210

Jim Amos
BLM
620 E. Greene Street
Carlsbad, NM 88220

Subject: **Remediation and Closure Report**
10220D Gathering Line Release
K-12-24S-28E
Eddy County, New Mexico
Incident # nAPP2134844762

Dear Mr. Bratcher and Mr. Amos,

DCP Midstream, LP, contracted Talon/LPE (Talon) to perform assessment and remediation services at the above referenced location. The incident description, sampling results, remedial actions and closure request is presented herein.

Site Information

The DCP 10220D 6-inch Gathering Line is located approximately 4.8 miles southeast of Loving, New Mexico. The legal location for this release is Unit Letter K, Section 12, Township 24 South and Range 28 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.2314183 and -104.0421290. A Site Location Map (Figure 1) is presented in Appendix I.

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in the project area is made up of Arno-Harkey complex, saline, 0 to 1 percent slopes in an alluvial flood plain setting, comprised of silty clay and loam. The referenced soil data is presented in Appendix II. Per the New Mexico Bureau of Geology and Mineral Resources, the local geology consists of alluvium and piedmont alluvial deposits, Holocene to lower Pleistocene in age.

Ground Water and Site Characterization

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater is 163 feet below ground surface (bgs) with groundwater water below surface as shallow as 7 feet. See Appendix II for the referenced groundwater data. Further research of the Bureau of Land Management Karst data indicates that this site is not located within a potential Karst area (Figure 5).

If a release occurs within the following areas, the responsible party must treat the release as if it occurred in an area where the groundwater is less than 50 feet bgs, Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29 NMAC.

Approximate Depth to Groundwater	**163**	**Feet/bgs**

☒Yes ☐No	Within 300 feet of any continuously flowing watercourse or any other significant watercourse
☐Yes ☒No	Within 200 feet of any lakebed, sinkhole or a playa lake
☐Yes ☒No	Within 300 feet from an occupied permanent residence, school, hospital, institution or church
☐Yes ☒No	Within 500 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	Within 1000 feet of any freshwater well or spring
☐Yes ☒No	Within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978
☒Yes ☐No	Within 300 feet of a wetland
☐Yes ☒No	Within the area overlying a subsurface mine
☐Yes ☒No	Within an unstable area
☒Yes ☐No	Within a 100-year floodplain

Because the release occurred within 300' of a watercourse and within a 100-year flood plain, the soil clean-up criteria for this site per NMAC 19.15.29 is as follows:

Table I
Closure Criteria for Soils Impacted by a Release

Depth below horizontal extents of release to ground water less than 10,000 mg/l TDS	Constituent	Method	Limit
≤ 50 feet	Total Chlorides	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

Incident Description

Due to corrosion on a 6-inch steel line, a release occurred in an isolated ponding, trapped backwater area near the Pecos River. It is estimated that 0.2 barrels (bbls) of crude oil, 0.2 bbls of produced water and 3.8 mcf of natural gas were released. The line was isolated and blown down. A C-141 spill notification was filed with the NMOCD and is referenced in Appendix III. The site maps are presented in Appendix I.

Site Assessment

On December 06, 2022, Talon mobilized personnel and equipment to the site to respond to the release, conducting an initial site assessment. Absorbent pads were utilized to remove surface hydrocarbons and a hydrovac dispatched on three separate occasions to remove the impacted water. The area was mapped utilizing a hand held gps, photographed and sampled using a hand auger for sediment areas and a disposable teflon bailer to collect water samples. Background surface water samples were also collected upgradient and downgradient of the impacted area from the Pecos River. Soil sample laboratory results are presented in Table I, surface water sample analytical results are presented in Table II.

On January 06, 2022, the 10220D Line was repaired. A poly line was inserted as a sleeve into the 6-inch steel line and the line was then re-energized. The pond was hydroexcavated in order to remove any impacted sediments and residual chlorides that may have leached during line repair. Upon recharge of the ponding area, surface water confirmation samples were obtained. The analytical results of all water sampling events are presented in Table II, and corresponding laboratory reported are attached in Appendix V.

On January 12, 2022, based on the laboratory results from the initial site assessment and upon client authorization, Talon personnel and equipment were mobilized to the site to commence soil/sediment remediation of the impacted pond area. Chloride field titration data was used to guide the excavation. The excavated area measured approximately 45 feet long, 25 feet wide and approximately 1-2 feet deep. Composite soil samples were collected from the bottom and sidewalls of the excavated area, as well as from background locations. Confirmation sample locations are illustrated on Figure 3 (Appendix I).

The soil and groundwater samples were contained in appropriately preserved, laboratory supplied sample containers. The samples were maintained on ice, in the custody of Talon personnel, until they were transported to the analytical laboratory. The samples were quantified for Total Chlorides (EPA Method 300.0), TPH (EPA Method 8015M), BTEX (EPA Method 8021B) and Total Dissolved Solids (TDS, Method 2540C). Sample locations are shown on the attached Figure 2 (Appendix I), the results of soil and water sampling events are presented on the following data tables.

Table I

Soil Sample Laboratory Results

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S-1	12/27/2021	0'	ND	ND	ND	1950	ND	1950	1060
S-1A	1/12/2022	1'	0.00349	0.000445	ND	ND	ND	ND	789
S -2	12/27/2021	0'	ND	ND	20.8	150	ND	170.8	4300
S-2A	1/12/2022	1'	0.00911	0.00166	16.3	ND	ND	16.3	985
S-3	12/27/2021	0'	ND	ND	20.5	112	ND	132.5	6290
S-3A	1/12/2022	1'	ND	ND	ND	20.5	ND	20.5	651
S-4	12/27/2021	0'	ND	ND	31.3	37.8	ND	69.1	931
S-4A	1/12/2022	1'	0.0420	0.0193	20.5	ND	ND	20.5	1060
S -5	12/27/2021	0'	0.00119	0.00199	29.5	77.5	ND	107	3190
S-5A	1/12/2022	1'	0.0174	0.00911	ND	ND	ND	ND	978
S -6	12/27/2021	0'	ND	ND	29	21.4	ND	50.4	1090
S-6A	1/12/2022	1'	0.0131	0.000654	ND	ND	ND	ND	462
S-7A	1/12/2022	1'	0.435	0.0814	19.9	ND	ND	19.9	1230
*Surface	1/27/2022	1.5'	ND	ND	23.4	20.1	ND	43.5	314
SW1	1/13/2022	1'	0.00713	0.000648	18.6	ND	ND	18.6	543
SW2	1/13/2022	1'	ND	ND	24.1	ND	ND	24.1	566
SW3	1/13/2022	1'	0.0109	0.000435	15.3	ND	ND	15.3	381
SW4	1/13/2022	1'	0.00281	0.000742	ND	19.4	ND	19.4	516
SW5	1/13/2022	1'	0.00648	0.000600	ND	28.9	ND	28.9	811
SW6	1/13/2022	1'	ND	ND	ND	24.0	ND	24.0	447
SW7	1/13/2022	1'	ND	ND	ND	21.9	ND	21.9	236
ND = analyte not detected SW= Sidewall * 5 Point Bottom Composite Surface Pond Bottom									

See Appendix V for the complete report of laboratory results.

Table II

Surface Water Sample Laboratory Results

Sample ID	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Xylenes mg/L	Total TPH mg/L	Chlorides mg/L	Net CL mg/L	TDS mg/L
20.6.2 NMAC Water Quality		0.005 mg/L	1.0 mg/L	0.7 mg/L	0.62 mg/L		250 mg/L		**1,000 mg/L
SOURCE-POND	12/6/2021	1.94	1.13	ND	0.127	87.83	4130	3,030	
	1/28/2022	ND	ND	ND	ND	ND	2230	870	
	3/10/2022	NT	NT	NT	NT	NT	NT		15,400
UPSTREAM UPGRADIENT	12/6/2021	ND	ND	ND	ND	ND	1100 *		
	1/28/2022	ND	ND	ND	ND	ND	1360 *		
	3/10/2022	NT	NT	NT	NT	NT	NT		5680
DOWNSTREAM DOWNGRADIENT	12/6/2021	ND	ND	ND	ND	ND	1140		
	1/28/2022	ND	ND	ND	ND	ND	1350		
	3/10/2022	NT	NT	NT	NT	NT	NT		4450
ND = Analyte Not Detected NT=Analyte Not Tested * Background Chloride Levels **>1,000 mg/L Non Potable Water									

See Appendix V for the complete report of laboratory results.

On January 17, 2022, based on elevated chloride levels in ponding sediment, Talon personnel returned to the site in order to collect a background soil sample for analytical analysis. A discreet soil sample (BG-6) was taken 50 feet from the source between the Pecos River and the ponding area. The soil sample was maintained on ice, in the custody of Talon personnel, until they were transported to the analytical laboratory. The sample was quantified for Total Chlorides (EPA Method 300.0). The results are presented in the following data table.

Table III

Background Soil Sample Laboratory Results

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
*BG-6	1/17/2022	0-1'	NT	NT	NT	NT	NT	-	9800
NT = Analyte Not Tested * Background Sample									

See Appendix V for the complete report of laboratory results.

Remedial Actions

- The impacted surface water in the ponding area was evacuated three times utilizing hydrovacs during remediation activities.
- The impacted soils adjacent to the repaired DCP line were hydroexcavated.
- The entire impacted ponding area was excavated utilizing a backhoe to a depth of 1-2 feet bgs.
- All contaminated soil (506 tons) was transported to Lea Land, LLC, a NMOCD approved solid waste disposal facility.
- All impacted surface water (1,112 bbls) was transported and disposed of at R360, and Delaware Basin landfill, NMOCD approved waste disposal facilities.
- Upstream, downstream, and ponding area (source) surface water samples were collected and tested for Total Chlorides, TPH, BTEX, and TDS. Laboratory results for TDS indicate that the Pecos River water is not considered a potable water source in accordance with New Mexico Water Quality Control Comission (NMWQCC) standards, NMAC 20.6.2. Source confirmation sample analysis indicate Benzene, Toluene, Ethylbenzene and Total Xylenes are below NMWQCC standards and below laboratory method detection limits (MDLs). TPH was also not detected within the laboratory MDLs. Total Chlorides at the source, upgradient and downgradient sample locations were all found to be in excess of NMWQCC standards. However, as stated previously, this portion of the Pecos River is not considered potable water.
- Analytical analysis of confirmation soil samples indicate that BTEX, Benzene, and TPH are all below 19.15.29 NMAC Table I, NMOCD Closure Criteria. Confirmation analytical results for Total Chlorides were shown to be considerably less than background levels as indicated by background sample BG-6 (Table III, Figure 3).
- Upon regulatory approval of closure report by all parties of concern, the ponding area will have river rock placed in the bottom of the excavation, restoring the site to pre-incident natural conditions.

Closure

Based on this site characterization, completed remedial actions, and confirmation analytical results, we request that no further actions be required and that closure with regard to this incident be granted.

Should you have any questions or if further information is required, please do not hesitate to contact our office at 575-746-8768.

Respectfully submitted,

Talon/LPE

Rebecca S. Pons
Senior Environmental Project Manager

David J. Adkins
Regional Manager

Attachments:
Appendix I Site Maps
Appendix II Groundwater Data, Soil Survey
Appendix III C-141 Forms
Appendix IV Photographic Documentation
Appendix V Laboratory Data

Appendix I

Site Maps

TALON LPE

Drafted: 3/8/2022
1 in = 500 ft
Drafted By: JAI

DCP Midstream, LP
10220D Line Leak
Eddy County, New Mexico
Figure 1 - Site Location Map

TALON LPE

Drafted: 3/18/2022
1 in = 50 ft
Drafted By: JAI

DCP Midstream, LP
10220D Line Leak
Eddy County, New Mexico
Figure 2 - Assessment and Soil Sample Map

TALON LPE

Drafted: 3/8/2022
1 in = 20 ft
Drafted By: JAI

DCP Midstream, LP
10220D Line Leak
Eddy County, New Mexico
Figure 3 - Confirmation Map

TALON LPE

Drafted: 3/8/2022
1 in = 20 ft
Drafted By: JAI

DCP Midstream, LP
10220D Line Leak
Eddy County, New Mexico
Figure 4 - Confirmation Measure Map

TALON LPE

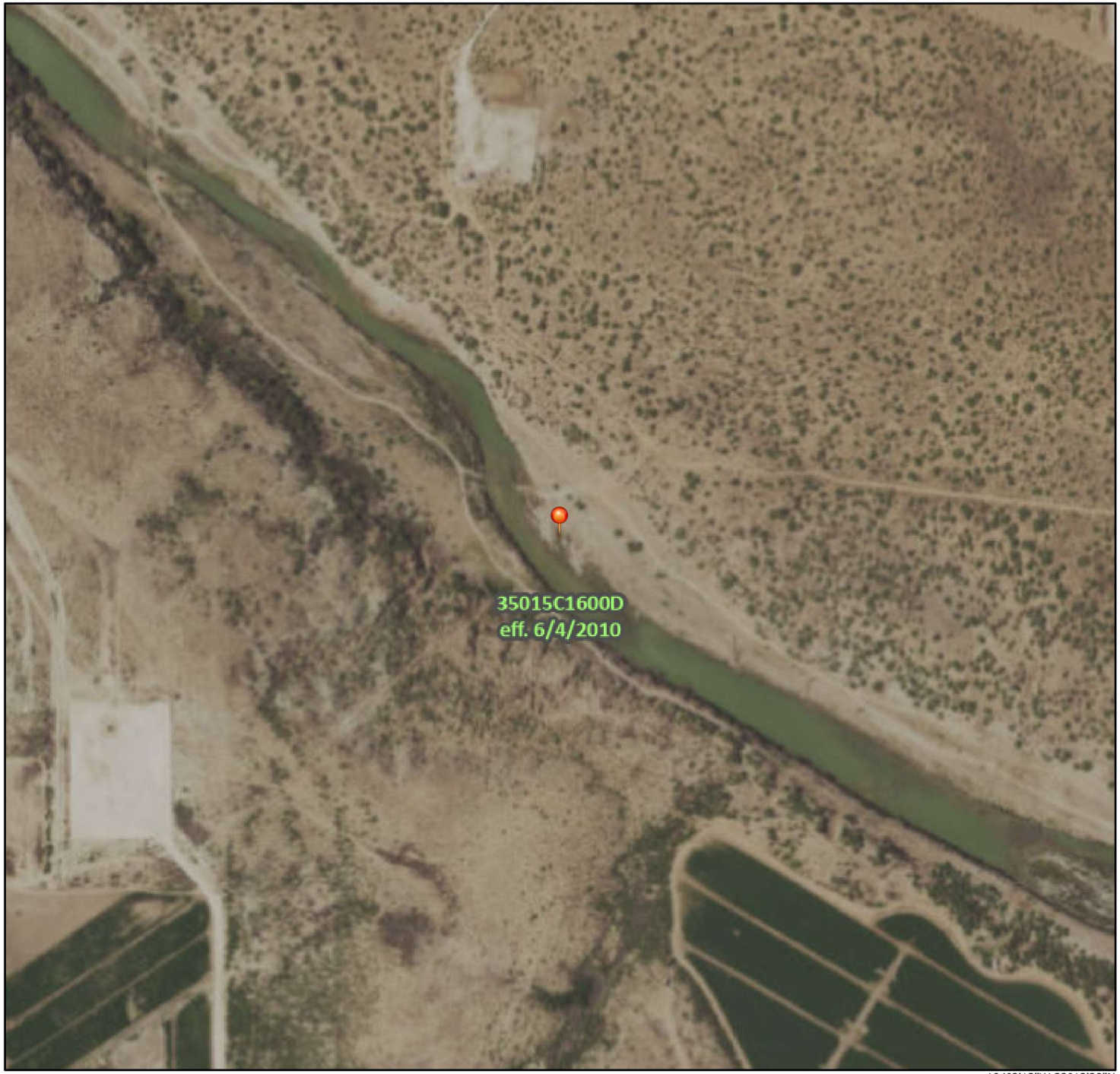
Drafted: 3/18/2022
1 in = 500 ft
Drafted By: JAI

DCP Midstream, LP
10220D Line Leak
Eddy County, New Mexico
Figure 5 - Karst Map

National Flood Hazard Layer FIRMette

FEMA

104°2'50"W 32°14'8"N



104°2'13"W 32°13'38"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/21/2022 at 6:29 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Appendix II

Groundwater Data

Soil Survey

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

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

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

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

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 02199		C	ED			2	02	24S	25E	560089	3568282*	1797	150		
C 02027		C	ED		4	2	13	24S	25E	561910	3564888*	2307	350	163	187
C 00669		C	ED	2	4	3	07	24S	26E	562799	3565796*	2640	330	250	80
C 02879		C	ED	3	3	1	35	23S	25E	558965	3569565*	3331	811	511	300
C 01720		C	ED		1	3	31	23S	26E	562290	3569291*	3462	398	378	20
C 00957		C	ED		1	4	18	24S	26E	563106	3564511*	3474	753	650	103
C 01228		C	ED			3	04	24S	25E	556071	3567462*	4291	565	440	125
C 02201		CUB	ED		4	4	05	24S	25E	555464	3567260*	4848	20	15	5
C 02202		CUB	ED		4	4	05	24S	25E	555464	3567260*	4848	20	15	5
C 02203 POD1		CUB	ED	3	4	4	05	24S	25E	555408	3567162	4889	900	800	100
C 02972		C	ED	2	4	2	05	24S	25E	555554	3568168*	4987	20	7	13

Average Depth to Water: **322 feet**

Minimum Depth: **7 feet**

Maximum Depth: **800 feet**

Record Count: 11

UTMNAD83 Radius Search (in meters):

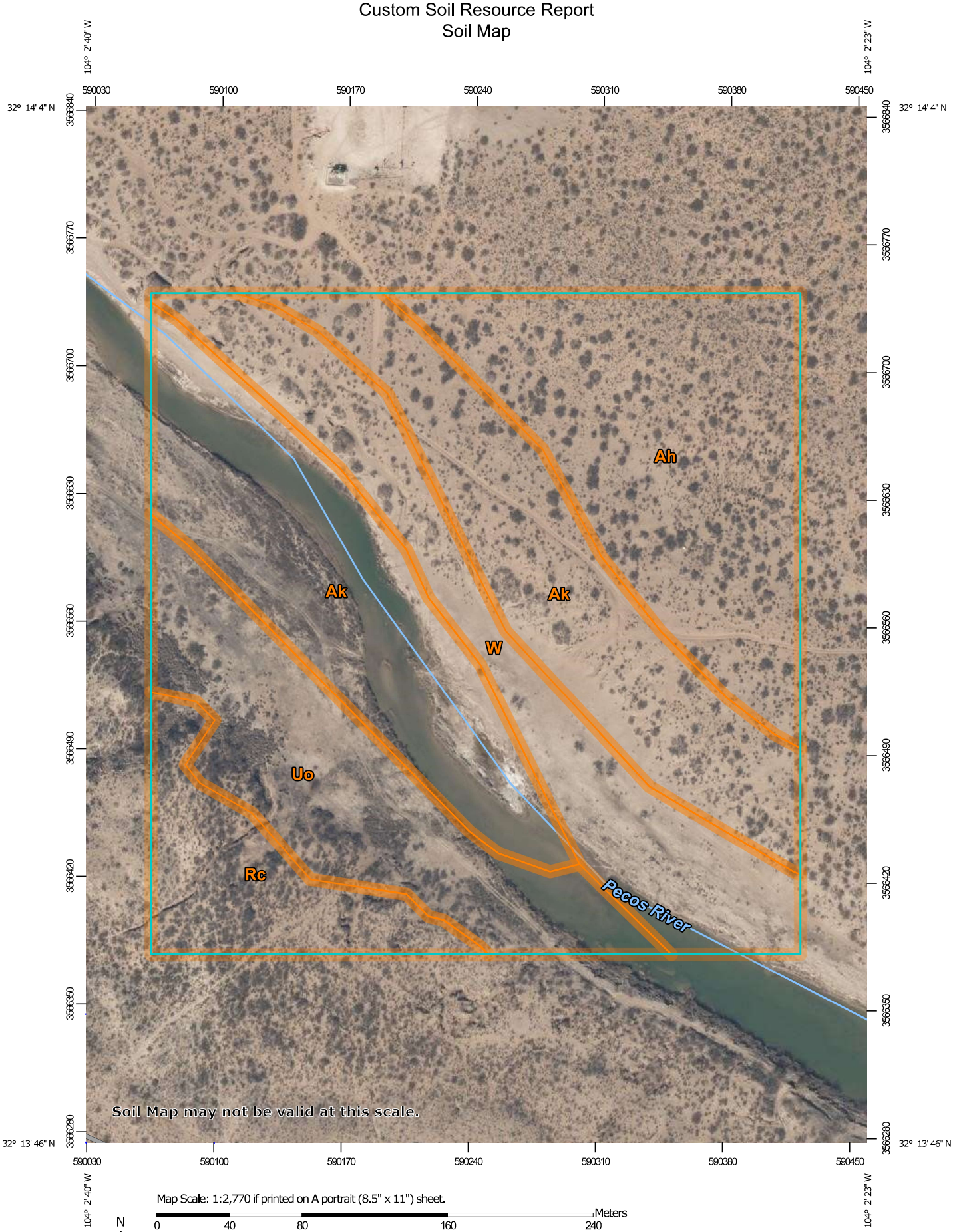
Easting (X): 560251.5 **Northing (Y):** 3566492.33 **Radius:** 5000

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

2/21/22 11:32 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Custom Soil Resource Report
Soil Map



Map Scale: 1:2,770 if printed on A portrait (8.5" x 11") sheet.

N

0 40 80 160 240 Meters

0 100 200 400 600 Feet

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 17, Sep 12, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 27, 2020—Feb 28, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Eddy Area, New Mexico

Ah—Anthony sandy loam, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: 1w3x
Elevation: 3,000 to 4,000 feet
Mean annual precipitation: 10 to 14 inches
Mean annual air temperature: 60 to 64 degrees F
Frost-free period: 200 to 220 days
Farmland classification: Not prime farmland

Map Unit Composition

Anthony and similar soils: 95 percent
Minor components: 5 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Anthony

Setting

Landform: Flood plains, alluvial fans
Landform position (three-dimensional): Talf, rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Alluvium derived from sedimentary rock

Typical profile

H1 - 0 to 6 inches: sandy loam
H2 - 6 to 60 inches: sandy loam

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 7.2 inches)

Interpretive groups

Land capability classification (irrigated): 2s
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: A
Ecological site: R042XC005NM - Deep Sand
Hydric soil rating: No

Minor Components

Harkey

Percent of map unit: 3 percent

Landform: Flood plains, alluvial fans
Landform position (three-dimensional): Talf, rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Ecological site: R042XC036NM - Salt Flats
Hydric soil rating: Yes

Arno

Percent of map unit: 2 percent
Landform: Flood plains, alluvial fans
Landform position (three-dimensional): Talf, rise
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R042XC033NM - Salty Bottomland
Hydric soil rating: Yes

Ak—Arno-Harkey complex, saline, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: 1w3y
Elevation: 3,000 to 4,200 feet
Mean annual precipitation: 10 to 16 inches
Mean annual air temperature: 60 to 64 degrees F
Frost-free period: 180 to 220 days
Farmland classification: Not prime farmland

Map Unit Composition

Arno and similar soils: 50 percent
Harkey and similar soils: 25 percent
Minor components: 25 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Arno

Setting

Landform: Flood plains, alluvial fans
Landform position (three-dimensional): Talf, rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium

Typical profile

H1 - 0 to 9 inches: silty clay loam
H2 - 9 to 60 inches: silty clay

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Moderately well drained
Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: OccasionalNone
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Gypsum, maximum content: 5 percent
Maximum salinity: Moderately saline to strongly saline (8.0 to 32.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Low (about 5.7 inches)

Interpretive groups
Land capability classification (irrigated): 6s
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R042XC033NM - Salty Bottomland
Hydric soil rating: No

Description of Harkey

Setting
Landform: Flood plains, alluvial fans
Landform position (three-dimensional): Talf, rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Alluvium derived from sedimentary rock

Typical profile
H1 - 0 to 9 inches: very fine sandy loam
H2 - 9 to 60 inches: very fine sandy loam

Properties and qualities
Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: About 48 to 72 inches
Frequency of flooding: OccasionalNone
Frequency of ponding: None
Calcium carbonate, maximum content: 30 percent
Gypsum, maximum content: 2 percent
Maximum salinity: Slightly saline to strongly saline (4.0 to 16.0 mmhos/cm)
Sodium adsorption ratio, maximum: 13.0
Available water supply, 0 to 60 inches: Low (about 6.0 inches)

Interpretive groups
Land capability classification (irrigated): 2s
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: B
Ecological site: R042XC036NM - Salt Flats
Hydric soil rating: No

Minor Components

Unnamed soils

Percent of map unit: 23 percent
Hydric soil rating: No

Pima variant

Percent of map unit: 1 percent
Landform: Flood plains, alluvial flats, alluvial fans
Landform position (three-dimensional): Talf, rise
Down-slope shape: Convex, linear
Across-slope shape: Linear, convex
Ecological site: R042XC017NM - Bottomland
Hydric soil rating: Yes

Anthony

Percent of map unit: 1 percent
Landform: Flood plains, alluvial fans
Landform position (three-dimensional): Talf, rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Ecological site: R042XC004NM - Sandy
Hydric soil rating: Yes

Rc—Reagan loam, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: 1w5l
Elevation: 1,100 to 5,300 feet
Mean annual precipitation: 7 to 15 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 200 to 240 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Reagan and similar soils: 97 percent
Minor components: 3 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Reagan

Setting

Landform: Fan remnants, alluvial fans
Landform position (three-dimensional): Rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Alluvium and/or eolian deposits

Typical profile

H1 - 0 to 8 inches: loam
H2 - 8 to 82 inches: loam

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 8.2 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 6c
Hydrologic Soil Group: B
Ecological site: R042XC007NM - Loamy
Hydric soil rating: No

Minor Components

Reeves

Percent of map unit: 1 percent
Ecological site: R042XC007NM - Loamy
Hydric soil rating: No

Reagan

Percent of map unit: 1 percent
Ecological site: R042XC007NM - Loamy
Hydric soil rating: No

Upton

Percent of map unit: 1 percent
Ecological site: R042XC025NM - Shallow
Hydric soil rating: No

Uo—Upton gravelly loam, 0 to 9 percent slopes

Map Unit Setting

National map unit symbol: 1w67
Elevation: 1,100 to 4,400 feet
Mean annual precipitation: 7 to 15 inches
Mean annual air temperature: 60 to 70 degrees F
Frost-free period: 200 to 240 days

Farmland classification: Not prime farmland

Map Unit Composition

Upton and similar soils: 96 percent
Minor components: 4 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Upton

Setting

Landform: Ridges, fans
Landform position (three-dimensional): Side slope, rise
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Residuum weathered from limestone

Typical profile

H1 - 0 to 9 inches: gravelly loam
H2 - 9 to 13 inches: gravelly loam
H3 - 13 to 21 inches: cemented
H4 - 21 to 60 inches: very gravelly loam

Properties and qualities

Slope: 0 to 9 percent
Depth to restrictive feature: 7 to 20 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high (0.01 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 75 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R042XC025NM - Shallow
Hydric soil rating: No

Minor Components

Atoka

Percent of map unit: 1 percent
Ecological site: R042XC007NM - Loamy
Hydric soil rating: No

Upton

Percent of map unit: 1 percent
Ecological site: R042XC025NM - Shallow
Hydric soil rating: No

Atoka

Percent of map unit: 1 percent

Ecological site: R042XC007NM - Loamy
Hydric soil rating: No

Reagan
Percent of map unit: 1 percent
Ecological site: R042XC007NM - Loamy
Hydric soil rating: No

W—Water

Map Unit Composition
Water: 100 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Appendix III

C-141 Forms

NMOCD Correspondence

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	nAPP2134844762
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: DCP Midstream, LP	OGRID 36785
Contact Name: Stephen W. Weathers, P.G.	Contact Telephone 303.605.1718
Contact email: SWWeathers@dcpmidstream.com	Incident # *(assigned by OCD)*
Contact mailing address: 370 17th Street, Suite 2500, Denver Colorado 80202-5604	

Location of Release Source

Latitude 32.2314183 Longitude -104.0421290
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: 10220D Line	Site Type: 6" Gathering Line
Date Release Discovered 12-6-21	API#

Unit Letter	Section	Township	Range	County
K	12	24S	28E	Eddy

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (*Name: Faulk, Kay W & Donald*)

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) <0.2	Volume Recovered (bbls) 0
☒ Produced Water	Volume Released (bbls) <0.2	Volume Recovered (bbls) 0
	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) 3.8	Volume Recovered (Mcf) 0
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Corrosion on a 6-inch steel line. The line was isolated and blown down.

The release did not hit the Pecos River, but was contained in an isolated backwater area. A fish kill was noted, 245 total dead minnows associated with this release. Three (3) minnows were kept and preserved for identification, the remaining were disposed of.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2134844762
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Immediate notice was given by DCP to the NMOCD, NMED, BLM, NRC and EPA.

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: Stephen W. Weathers, P.G.
Title: Principal Environmental Specialist

Signature: _____
Date: 12-20-21

email: SWWeathers@dcpmidstream.com
Telephone: 303.619.3042

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2134844762
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?	163 (ft bgs)
Did this release impact groundwater or surface water?	☒ Yes ☐ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☒ Yes ☐ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☒ Yes ☐ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2134844762
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: Stephen W. Weathers, P.G. Title: Principal Environmental Specialist

Signature: _____ Date: 3-10-22

email: SWWeathers@dcpmidstream.com Telephone: 303.619.3042

OCD Only

Received by: _____ Date: _____

Form C-141
Page 5

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2134844762
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: Stephen W. Weathers, P.G. Title: Principal Environmental Specialist

Signature: _____ Date: 03-10-22

email: SWWeathers@dcpmidstream.com Telephone: 303.619.3042

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2134844762
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☒ Description of remediation activities

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

Printed Name: Stephen W. Weathers, P.G. Title: Principal Environmental Specialist

Signature: _____ Date: 03-10-22

email: SWWeathers@dcpmidstream.com Telephone: 303.619.3042

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

From: Hamlet, Robert, EMNRD
To: Rebecca Pons
Cc: Bratcher, Mike, EMNRD; Velez, Nelson, EMNRD; Nobui, Jennifer, EMNRD; Hensley, Chad, EMNRD
Subject: (Extension Approval) NAPP2134844762 10220D LINE
Date: Tuesday, March 8, 2022 10:49:54 AM
Attachments: image002.jpg
image003.png

RE: Incident #**NAPP2134844762**

Rebecca,

Your request for an extension to **March 20th, 2022** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet ● Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
811 S. First Street | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
http://www.emnrd.state.nm.us/OCD/

From: Rebecca Pons <rpons@talonlpe.com>
Sent: Monday, March 7, 2022 3:44 PM
To: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>
Subject: [EXTERNAL] Por Favor

Good Afternoon,
I am working on the closure report for the DCP Line Release Incident No. #nAPP2134844762 and I am requesting a (2) week extension for the purpose of pending laboratory data. I would also like to test for TDS due to ENRMD Drinking Water Standards. Please advise me.
Thank you for your consideration.

Rebecca Pons

Rebecca Pons
Senior Environmental Project Manager

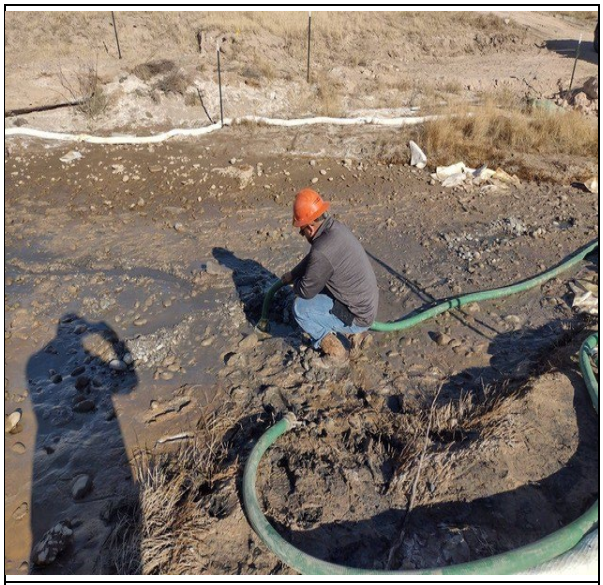
Office: 575.746.8768 x708
Direct: 575.616.4023
Cell: 575.441.0980
Fax: 575.746.8905
Emergency: 866.742.0742
Web: www.talonlpe.com

Appendix IV

Photographic Documentation

Photograph No.1 Description:

Clean up at source, drone image

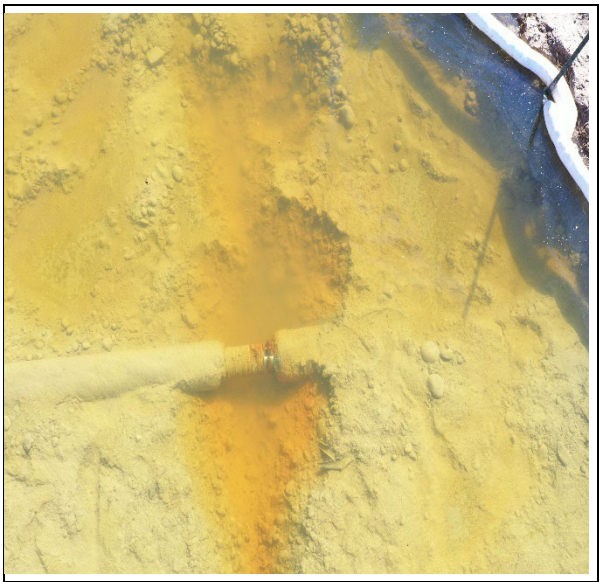


Photograph No.2 Description:

Hydrovac of ponding area

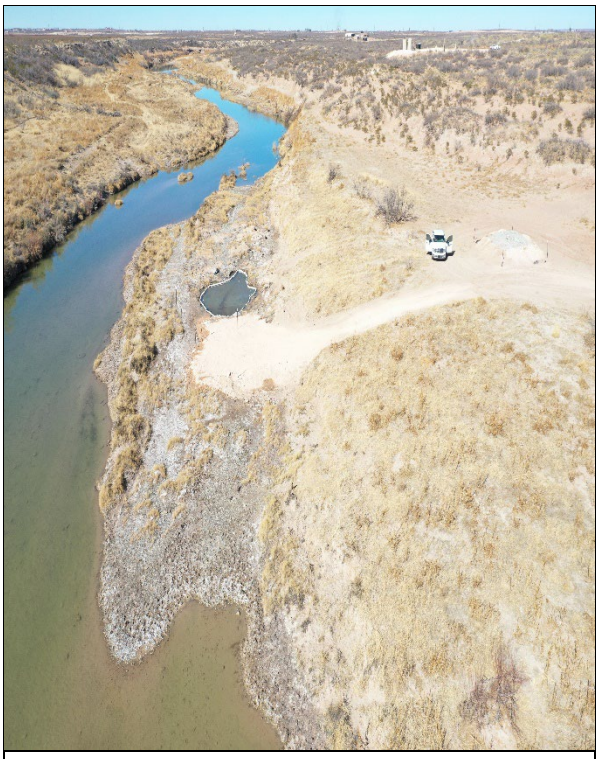
Photograph No.3 Description:

Excavation at source



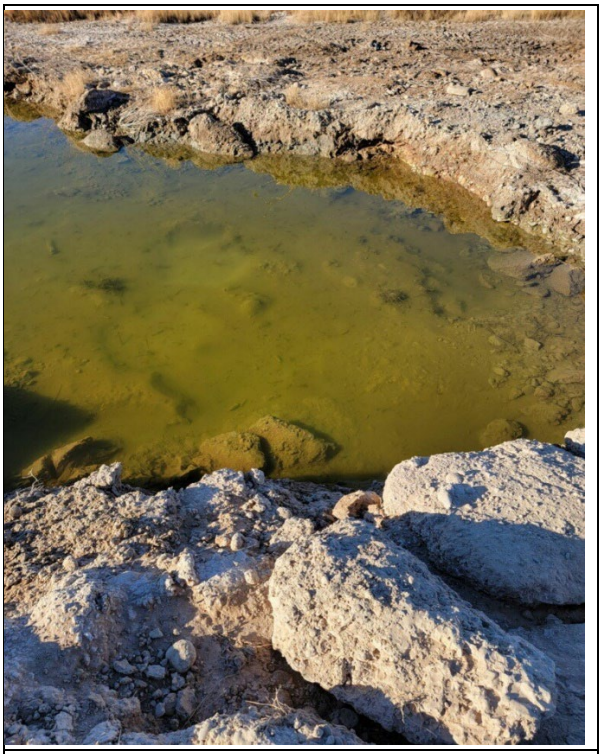
Photograph No.4 Description:

Repaired line



Photograph No.5 Description:

Ponding area restored to natural state



Photograph No.6 Description:

Recharge of ponding area

Appendix V

Laboratory Data

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-1683-1
Laboratory Sample Delivery Group: 700702.119.01
Client Project/Site: DCP 10220 D Line Leak

For:
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

Attn: David Adkins

JKRAMER

Authorized for release by:
12/14/2021 10:33:14 AM

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

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

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

Client: Talon/LPE
Project/Site: DCP 10220 D Line Leak

Laboratory Job ID: 890-1683-1
SDG: 700702.119.01

Table of Contents

Definitions/Glossary

Client: Talon/LPE
Project/Site: DCP 10220 D Line Leak

Job ID: 890-1683-1
SDG: 700702.119.01

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.
X	Surrogate recovery exceeds control limits

GC Semi VOA

Qualifier	Qualifier Description
N1	MS, MSD: Spike recovery exceeds upper or lower control limits.
U	Analyte was not detected at or above the SDL.

HPLC/IC

Qualifier	Qualifier Description
N1	MS, MSD: Spike recovery exceeds upper or lower control limits.
U	Analyte was not detected at or above the SDL.

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: Talon/LPE
Project/Site: DCP 10220 D Line Leak

Job ID: 890-1683-1
SDG: 700702.119.01

Job ID: 890-1683-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-1683-1

Receipt
The samples were received on 12/6/2021 2:01 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 8.6°C

GC VOA
Method 8021B: The following sample was diluted due to the nature of the sample matrix: Source (890-1683-1) at 20.0. Elevated reporting limits (RLs) are provided.

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

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

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

Client Sample Results

Client: Talon/LPE
Project/Site: DCP 10220 D Line Leak

Job ID: 890-1683-1
SDG: 700702.119.01

Client Sample ID: Source

Lab Sample ID: 890-1683-1
Matrix: Water
Date Collected: 12/06/21 11:50
Date Received: 12/06/21 14:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.94**		0.0400	0.00816	mg/L			12/10/21 12:47	20
Toluene	**1.13**		0.0400	0.00734	mg/L			12/10/21 12:47	20
Ethylbenzene	<0.0400	U	0.0400	0.0131	mg/L			12/10/21 12:47	20
m-Xylene & p-Xylene	**0.127**		0.0800	0.0126	mg/L			12/10/21 12:47	20
o-Xylene	<0.0400	U	0.0400	0.0128	mg/L			12/10/21 12:47	20
Xylenes, Total	**0.127**		0.0800	0.0128	mg/L			12/10/21 12:47	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*180*	*X*	*70 - 130*		*12/10/21 12:47*	*20*
1,4-Difluorobenzene (Surr)	*135*	*X*	*70 - 130*		*12/10/21 12:47*	*20*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**3.20**		0.0800	0.0131	mg/L			12/09/21 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**87.8**		4.44	0.877	mg/L			12/13/21 12:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**4.73**		4.44	0.877	mg/L		12/13/21 16:57	12/14/21 04:58	1
Diesel Range Organics (Over C10-C28)	**83.1**		4.44	0.877	mg/L		12/13/21 16:57	12/14/21 04:58	1
Oil Range Organics (Over C28-C36)	<4.44	U	4.44	0.846	mg/L		12/13/21 16:57	12/14/21 04:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*12/13/21 16:57*	*12/14/21 04:58*	*1*
o-Terphenyl	*110*		*70 - 130*	*12/13/21 16:57*	*12/14/21 04:58*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4130**		25.0	1.05	mg/L			12/08/21 20:53	50

Client Sample ID: Upstream

Lab Sample ID: 890-1683-2
Matrix: Water
Date Collected: 12/06/21 12:20
Date Received: 12/06/21 14:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			12/10/21 11:54	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/10/21 11:54	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/10/21 11:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/10/21 11:54	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/10/21 11:54	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/10/21 11:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*182*	*X*	*70 - 130*		*12/10/21 11:54*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*		*12/10/21 11:54*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: DCP 10220 D Line Leak

Job ID: 890-1683-1
SDG: 700702.119.01

Client Sample ID: Upstream

Date Collected: 12/06/21 12:20
Date Received: 12/06/21 14:01

Lab Sample ID: 890-1683-2
Matrix: Water

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			12/09/21 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<4.49	U	4.49	0.887	mg/L			12/13/21 12:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<4.49	U	4.49	0.887	mg/L		12/13/21 16:57	12/14/21 06:00	1
Diesel Range Organics (Over C10-C28)	<4.49	U	4.49	0.887	mg/L		12/13/21 16:57	12/14/21 06:00	1
Oil Range Organics (Over C28-C36)	<4.49	U	4.49	0.856	mg/L		12/13/21 16:57	12/14/21 06:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*12/13/21 16:57*	*12/14/21 06:00*	*1*
o-Terphenyl	*90*		*70 - 130*	*12/13/21 16:57*	*12/14/21 06:00*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1100**		25.0	1.05	mg/L			12/08/21 21:00	50

Client Sample ID: Downstream

Date Collected: 12/06/21 12:50
Date Received: 12/06/21 14:01

Lab Sample ID: 890-1683-3
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			12/10/21 12:20	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/10/21 12:20	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/10/21 12:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/10/21 12:20	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/10/21 12:20	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/10/21 12:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*162*	*X*	*70 - 130*		*12/10/21 12:20*	*1*
1,4-Difluorobenzene (Surr)	*131*	*X*	*70 - 130*		*12/10/21 12:20*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			12/09/21 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<4.44	U	4.44	0.877	mg/L			12/13/21 12:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<4.44	U	4.44	0.877	mg/L		12/13/21 16:57	12/14/21 06:21	1
Diesel Range Organics (Over C10-C28)	<4.44	U	4.44	0.877	mg/L		12/13/21 16:57	12/14/21 06:21	1

Client Sample Results

Client: Talon/LPE
Project/Site: DCP 10220 D Line Leak

Job ID: 890-1683-1
SDG: 700702.119.01

Client Sample ID: Downstream

Date Collected: 12/06/21 12:50
Date Received: 12/06/21 14:01

Lab Sample ID: 890-1683-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<4.44	U	4.44	0.846	mg/L		12/13/21 16:57	12/14/21 06:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*12/13/21 16:57*	*12/14/21 06:21*	*1*
o-Terphenyl	*106*		*70 - 130*	*12/13/21 16:57*	*12/14/21 06:21*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1140**		25.0	1.05	mg/L			12/08/21 21:07	50

Surrogate Summary

Client: Talon/LPE
Project/Site: DCP 10220 D Line Leak

Job ID: 890-1683-1
SDG: 700702.119.01

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-1683-1	Source	180 X	135 X
890-1683-2	Upstream	182 X	108
890-1683-2 MS	Upstream	147 X	116
890-1683-2 MSD	Upstream	130	138 X
890-1683-3	Downstream	162 X	131 X
LCS 880-14446/3	Lab Control Sample	143 X	115
LCSD 880-14446/4	Lab Control Sample Dup	126	107
MB 880-14446/8	Method Blank	87	123

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-1683-1	Source	94	110
890-1683-1 MS	Source	79	93
890-1683-1 MSD	Source	81	78
890-1683-2	Upstream	89	90
890-1683-3	Downstream	100	106

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO2	OTPH2
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
LCS 880-14683/2-A	Lab Control Sample	89	93
LCSD 880-14683/3-A	Lab Control Sample Dup	107	110
MB 880-14683/1-A	Method Blank	106	111

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Talon/LPE
Project/Site: DCP 10220 D Line Leak

Job ID: 890-1683-1
SDG: 700702.119.01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-14446/8
Matrix: Water
Analysis Batch: 14446

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			12/10/21 11:28	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/10/21 11:28	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/10/21 11:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/10/21 11:28	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/10/21 11:28	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/10/21 11:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*		*12/10/21 11:28*	*1*
1,4-Difluorobenzene (Surr)	*123*		*70 - 130*		*12/10/21 11:28*	*1*

Lab Sample ID: LCS 880-14446/3
Matrix: Water
Analysis Batch: 14446

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1117		mg/L		112	70 - 130
Toluene	0.100	0.1084		mg/L		108	70 - 130
Ethylbenzene	0.100	0.1102		mg/L		110	70 - 130
m-Xylene & p-Xylene	0.200	0.2419		mg/L		121	70 - 130
o-Xylene	0.100	0.1124		mg/L		112	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*143*	*X*	*70 - 130*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*

Lab Sample ID: LCSD 880-14446/4
Matrix: Water
Analysis Batch: 14446

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1041		mg/L		104	70 - 130	7	20
Toluene	0.100	0.09888		mg/L		99	70 - 130	9	20
Ethylbenzene	0.100	0.1002		mg/L		100	70 - 130	9	20
m-Xylene & p-Xylene	0.200	0.2195		mg/L		110	70 - 130	10	20
o-Xylene	0.100	0.1040		mg/L		104	70 - 130	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: 890-1683-2 MS
Matrix: Water
Analysis Batch: 14446

Client Sample ID: Upstream
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U	0.100	0.1150		mg/L		115	70 - 130
Toluene	<0.00200	U	0.100	0.1050		mg/L		105	70 - 130

QC Sample Results

Client: Talon/LPE
Project/Site: DCP 10220 D Line Leak

Job ID: 890-1683-1
SDG: 700702.119.01

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

Lab Sample ID: 890-1683-2 MS
Matrix: Water
Analysis Batch: 14446

Client Sample ID: Upstream
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00200	U	0.100	0.1075		mg/L		107	70 - 130
m-Xylene & p-Xylene	<0.00400	U	0.200	0.2374		mg/L		119	70 - 130
o-Xylene	<0.00200	U	0.100	0.1158		mg/L		116	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*147*	*X*	*70 - 130*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*

Lab Sample ID: 890-1683-2 MSD
Matrix: Water
Analysis Batch: 14446

Client Sample ID: Upstream
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1091		mg/L		109	70 - 130	5	25
Toluene	<0.00200	U	0.100	0.1051		mg/L		105	70 - 130	0	25
Ethylbenzene	<0.00200	U	0.100	0.1087		mg/L		109	70 - 130	1	25
m-Xylene & p-Xylene	<0.00400	U	0.200	0.2361		mg/L		118	70 - 130	1	25
o-Xylene	<0.00200	U	0.100	0.1127		mg/L		113	70 - 130	3	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*
1,4-Difluorobenzene (Surr)	*138*	*X*	*70 - 130*

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

Lab Sample ID: MB 880-14683/1-A
Matrix: Water
Analysis Batch: 14597

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 14683

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<4.52	U	4.52	0.893	mg/L		12/13/21 16:57	12/14/21 03:57	1
Diesel Range Organics (Over C10-C28)	<4.52	U	4.52	0.893	mg/L		12/13/21 16:57	12/14/21 03:57	1
Oil Range Organics (Over C28-C36)	<4.52	U	4.52	0.862	mg/L		12/13/21 16:57	12/14/21 03:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*12/13/21 16:57*	*12/14/21 03:57*	*1*
o-Terphenyl	*111*		*70 - 130*	*12/13/21 16:57*	*12/14/21 03:57*	*1*

Lab Sample ID: LCS 880-14683/2-A
Matrix: Water
Analysis Batch: 14597

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 14683

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	90.6	76.09		mg/L		84	75 - 125
Diesel Range Organics (Over C10-C28)	90.6	76.02		mg/L		84	75 - 125

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Talon/LPE
Project/Site: DCP 10220 D Line Leak

Job ID: 890-1683-1
SDG: 700702.119.01

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

Lab Sample ID: LCS 880-14683/2-A
Matrix: Water
Analysis Batch: 14597

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 14683

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	93		70 - 130

Lab Sample ID: LCSD 880-14683/3-A
Matrix: Water
Analysis Batch: 14597

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 14683

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			90.6	78.88		mg/L		87	75 - 125	4	20
Diesel Range Organics (Over C10-C28)			90.6	80.12		mg/L		88	75 - 125	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	110		70 - 130

Lab Sample ID: 890-1683-1 MS
Matrix: Water
Analysis Batch: 14597

Client Sample ID: Source
Prep Type: Total/NA
Prep Batch: 14683

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	4.73		90.1	95.08		mg/L		100	75 - 125
Diesel Range Organics (Over C10-C28)	83.1		90.1	114.3	N1	mg/L		35	75 - 125

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	79		70 - 130
o-Terphenyl	93		70 - 130

Lab Sample ID: 890-1683-1 MSD
Matrix: Water
Analysis Batch: 14597

Client Sample ID: Source
Prep Type: Total/NA
Prep Batch: 14683

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	4.73		90.1	96.18		mg/L		102	75 - 125	1	20
Diesel Range Organics (Over C10-C28)	83.1		90.1	116.8	N1	mg/L		37	75 - 125	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	81		70 - 130
o-Terphenyl	78		70 - 130

QC Sample Results

Client: Talon/LPE
Project/Site: DCP 10220 D Line Leak

Job ID: 890-1683-1
SDG: 700702.119.01

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-14309/3
Matrix: Water
Analysis Batch: 14309

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.500	U	0.500	0.0210	mg/L			12/08/21 18:37	1

Lab Sample ID: LCS 880-14309/4
Matrix: Water
Analysis Batch: 14309

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			25.0	25.74		mg/L		103	90 - 110		

Lab Sample ID: LCSD 880-14309/5
Matrix: Water
Analysis Batch: 14309

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			25.0	26.19		mg/L		105	90 - 110	2	20

Lab Sample ID: 880-9138-A-1 MS
Matrix: Water
Analysis Batch: 14309

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	91.3		25.0	117.2		mg/L		104	90 - 110		

Lab Sample ID: 880-9138-A-1 MSD
Matrix: Water
Analysis Batch: 14309

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	91.3		25.0	120.0	N1	mg/L		115	90 - 110	2	20

QC Association Summary

Client: Talon/LPE
Project/Site: DCP 10220 D Line Leak

Job ID: 890-1683-1
SDG: 700702.119.01

GC VOA

Analysis Batch: 14350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1683-1	Source	Total/NA	Water	Total BTEX	
890-1683-2	Upstream	Total/NA	Water	Total BTEX	
890-1683-3	Downstream	Total/NA	Water	Total BTEX	

Analysis Batch: 14446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1683-1	Source	Total/NA	Water	8021B	
890-1683-2	Upstream	Total/NA	Water	8021B	
890-1683-3	Downstream	Total/NA	Water	8021B	
MB 880-14446/8	Method Blank	Total/NA	Water	8021B	
LCS 880-14446/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-14446/4	Lab Control Sample Dup	Total/NA	Water	8021B	
890-1683-2 MS	Upstream	Total/NA	Water	8021B	
890-1683-2 MSD	Upstream	Total/NA	Water	8021B	

GC Semi VOA

Analysis Batch: 14597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1683-1	Source	Total/NA	Water	8015B NM	14683
890-1683-2	Upstream	Total/NA	Water	8015B NM	14683
890-1683-3	Downstream	Total/NA	Water	8015B NM	14683
MB 880-14683/1-A	Method Blank	Total/NA	Water	8015B NM	14683
LCS 880-14683/2-A	Lab Control Sample	Total/NA	Water	8015B NM	14683
LCSD 880-14683/3-A	Lab Control Sample Dup	Total/NA	Water	8015B NM	14683
890-1683-1 MS	Source	Total/NA	Water	8015B NM	14683
890-1683-1 MSD	Source	Total/NA	Water	8015B NM	14683

Analysis Batch: 14652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1683-1	Source	Total/NA	Water	8015 NM	
890-1683-2	Upstream	Total/NA	Water	8015 NM	
890-1683-3	Downstream	Total/NA	Water	8015 NM	

Prep Batch: 14683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1683-1	Source	Total/NA	Water	8015NM Aq Prep	
890-1683-2	Upstream	Total/NA	Water	8015NM Aq Prep	
890-1683-3	Downstream	Total/NA	Water	8015NM Aq Prep	
MB 880-14683/1-A	Method Blank	Total/NA	Water	8015NM Aq Prep	
LCS 880-14683/2-A	Lab Control Sample	Total/NA	Water	8015NM Aq Prep	
LCSD 880-14683/3-A	Lab Control Sample Dup	Total/NA	Water	8015NM Aq Prep	
890-1683-1 MS	Source	Total/NA	Water	8015NM Aq Prep	
890-1683-1 MSD	Source	Total/NA	Water	8015NM Aq Prep	

HPLC/IC

Analysis Batch: 14309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1683-1	Source	Total/NA	Water	300.0	
890-1683-2	Upstream	Total/NA	Water	300.0	
890-1683-3	Downstream	Total/NA	Water	300.0	

QC Association Summary

Client: Talon/LPE
Project/Site: DCP 10220 D Line Leak

Job ID: 890-1683-1
SDG: 700702.119.01

HPLC/IC (Continued)

Analysis Batch: 14309 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-14309/3	Method Blank	Total/NA	Water	300.0	
LCS 880-14309/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 880-14309/5	Lab Control Sample Dup	Total/NA	Water	300.0	
880-9138-A-1 MS	Matrix Spike	Total/NA	Water	300.0	
880-9138-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Lab Chronicle

Client: Talon/LPE
Project/Site: DCP 10220 D Line Leak

Job ID: 890-1683-1
SDG: 700702.119.01

Client Sample ID: Source
Date Collected: 12/06/21 11:50
Date Received: 12/06/21 14:01

Lab Sample ID: 890-1683-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		20	5 mL	5 mL	14446	12/10/21 12:47	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:17	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14652	12/13/21 12:23	AJ	XEN MID
Total/NA	Prep	8015NM Aq Prep			33.8 mL	3 mL	14683	12/13/21 16:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14597	12/14/21 04:58	AJ	XEN MID
Total/NA	Analysis	300.0		50			14309	12/08/21 20:53	CH	XEN MID

Client Sample ID: Upstream
Date Collected: 12/06/21 12:20
Date Received: 12/06/21 14:01

Lab Sample ID: 890-1683-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	14446	12/10/21 11:54	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:17	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14652	12/13/21 12:23	AJ	XEN MID
Total/NA	Prep	8015NM Aq Prep			33.4 mL	3 mL	14683	12/13/21 16:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14597	12/14/21 06:00	AJ	XEN MID
Total/NA	Analysis	300.0		50			14309	12/08/21 21:00	CH	XEN MID

Client Sample ID: Downstream
Date Collected: 12/06/21 12:50
Date Received: 12/06/21 14:01

Lab Sample ID: 890-1683-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	14446	12/10/21 12:20	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:17	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14652	12/13/21 12:23	AJ	XEN MID
Total/NA	Prep	8015NM Aq Prep			33.8 mL	3 mL	14683	12/13/21 16:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14597	12/14/21 06:21	AJ	XEN MID
Total/NA	Analysis	300.0		50			14309	12/08/21 21:07	CH	XEN MID

Laboratory References:
XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: DCP 10220 D Line Leak

Job ID: 890-1683-1
SDG: 700702.119.01

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	T104704400-21-22	06-30-22

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
8015 NM		Water	Total TPH
Total BTEX		Water	Total BTEX

Method Summary

Client: Talon/LPE
Project/Site: DCP 10220 D Line Leak

Job ID: 890-1683-1
SDG: 700702.119.01

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5030B	Purge and Trap	SW846	XEN MID
8015NM Aq Prep	Microextraction	SW846	XEN MID

Protocol References:

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.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Talon/LPE
Project/Site: DCP 10220 D Line Leak

Job ID: 890-1683-1
SDG: 700702.119.01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-1683-1	Source	Water	12/06/21 11:50	12/06/21 14:01
890-1683-2	Upstream	Water	12/06/21 12:20	12/06/21 14:01
890-1683-3	Downstream	Water	12/06/21 12:50	12/06/21 14:01

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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: _____

www.xenco.com Page 1 of 1

Project Manager:	D. Adkins	Bill to: (if different)	
Company Name:	Talon LPE	Company Name:	
Address:	408 W. Texas Ave.	Address:	
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	
Phone:	575.746.8768	Email:	

Work Order Comments

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

Project Name:	DCP 10220D Line leak	Turn Around	
Project Number:	700702.119.01 (Cedar Canyon)	☑ Routine ☐ Rush	
Project Location:	Eddy County	Due Date:	
Sampler's Name:	J. Cares	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	T-NM120	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	8.8	
Total Containers:		Corrected Temperature:	8.6	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: Chlorides	BTEX	TPH	Sample Comments
Source	W	12-6-21	11:50			5		X	X	X	
Upstream	W	"	12:20			5		X	X	X	
Downstream	W	"	12:50			5		X	X	X	

890-1683 Chain of Custody

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		12/6/21 2:01	2		
3			4		
5			6		

Revised Date: [illegible]2020 Rev. 2020 2

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-1683-1
SDG Number: 700702.119.01

Login Number: 1683
List Number: 1
Creator: Olivas, Nathaniel

List Source: Eurofins Xenco, Carlsbad

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

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-1683-1
SDG Number: 700702.119.01

Login Number: 1683
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Xenco, Midland
List Creation: 12/08/21 11:57 AM

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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

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ANALYTICAL REPORT

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-1755-1
Client Project/Site: 1022 Line Leak

For:
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

Attn: Rebecca Pons

JKramer

Authorized for release by:
1/4/2022 3:46:02 PM

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

Client: Talon/LPE
Project/Site: 1022 Line Leak

Laboratory Job ID: 890-1755-1

Table of Contents

Definitions/Glossary

Client: Talon/LPE
Project/Site: 1022 Line Leak

Job ID: 890-1755-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
N1	MS, MSD: Spike recovery exceeds upper or lower control limits.
N2	RPD of the MS and MSD exceeds the control limits
U	Analyte was not detected at or above the SDL.
X	Surrogate recovery exceeds control limits

GC Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
U	Analyte was not detected at or above the SDL.

HPLC/IC

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

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: Talon/LPE
Project/Site: 1022 Line Leak

Job ID: 890-1755-1

Job ID: 890-1755-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-1755-1

Receipt
The samples were received on 12/27/2021 10:14 AM. 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 20.0°C

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

GC Semi VOA
Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-15730 and analytical batch 880-15823 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: Talon/LPE
Project/Site: 1022 Line Leak

Job ID: 890-1755-1

Client Sample ID: S-1

Date Collected: 12/27/21 08:50
Date Received: 12/27/21 10:14

Lab Sample ID: 890-1755-1
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		01/03/22 10:00	01/04/22 06:15	1
Toluene	<0.00201	U	0.00201	0.000459	mg/Kg		01/03/22 10:00	01/04/22 06:15	1
Ethylbenzene	<0.00201	U	0.00201	0.000568	mg/Kg		01/03/22 10:00	01/04/22 06:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00102	mg/Kg		01/03/22 10:00	01/04/22 06:15	1
o-Xylene	<0.00201	U	0.00201	0.000346	mg/Kg		01/03/22 10:00	01/04/22 06:15	1
Xylenes, Total	<0.00402	U	0.00402	0.00102	mg/Kg		01/03/22 10:00	01/04/22 06:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*166*	*X*	*70 - 130*	*01/03/22 10:00*	*01/04/22 06:15*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*01/03/22 10:00*	*01/04/22 06:15*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00102	mg/Kg			01/03/22 13:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1950**		50.0	15.0	mg/Kg			01/03/22 14:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		12/29/21 13:57	12/31/21 13:27	1
Diesel Range Organics (Over C10-C28)	**1950**	*	50.0	15.0	mg/Kg		12/29/21 13:57	12/31/21 13:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/29/21 13:57	12/31/21 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*12/29/21 13:57*	*12/31/21 13:27*	*1*
o-Terphenyl	*95*		*70 - 130*	*12/29/21 13:57*	*12/31/21 13:27*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1060**		24.8	4.25	mg/Kg			01/03/22 11:57	5

Client Sample ID: S-2

Date Collected: 12/27/21 09:00
Date Received: 12/27/21 10:14

Lab Sample ID: 890-1755-2
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000708**	**J**	0.00199	0.000383	mg/Kg		01/03/22 10:00	01/04/22 06:42	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		01/03/22 10:00	01/04/22 06:42	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		01/03/22 10:00	01/04/22 06:42	1
m-Xylene & p-Xylene	**0.00273**	**J**	0.00398	0.00100	mg/Kg		01/03/22 10:00	01/04/22 06:42	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		01/03/22 10:00	01/04/22 06:42	1
Xylenes, Total	**0.00273**	**J**	0.00398	0.00100	mg/Kg		01/03/22 10:00	01/04/22 06:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*167*	*X*	*70 - 130*	*01/03/22 10:00*	*01/04/22 06:42*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*01/03/22 10:00*	*01/04/22 06:42*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: 1022 Line Leak

Job ID: 890-1755-1

Client Sample ID: S-2

Date Collected: 12/27/21 09:00
Date Received: 12/27/21 10:14

Lab Sample ID: 890-1755-2
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00344	J	0.00398	0.00100	mg/Kg			01/03/22 13:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	171		49.9	15.0	mg/Kg			01/03/22 14:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	20.8	J	49.9	15.0	mg/Kg		12/29/21 13:57	12/31/21 13:47	1
Diesel Range Organics (Over C10-C28)	150	*	49.9	15.0	mg/Kg		12/29/21 13:57	12/31/21 13:47	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		12/29/21 13:57	12/31/21 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*12/29/21 13:57*	*12/31/21 13:47*	*1*
o-Terphenyl	*114*		*70 - 130*	*12/29/21 13:57*	*12/31/21 13:47*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4300		49.8	8.55	mg/Kg			01/03/22 12:05	10

Client Sample ID: S-3

Date Collected: 12/27/21 09:10
Date Received: 12/27/21 10:14

Lab Sample ID: 890-1755-3
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		01/03/22 10:00	01/04/22 07:10	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		01/03/22 10:00	01/04/22 07:10	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		01/03/22 10:00	01/04/22 07:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		01/03/22 10:00	01/04/22 07:10	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		01/03/22 10:00	01/04/22 07:10	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		01/03/22 10:00	01/04/22 07:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*164*	*X*	*70 - 130*	*01/03/22 10:00*	*01/04/22 07:10*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*01/03/22 10:00*	*01/04/22 07:10*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			01/03/22 13:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	133		49.9	15.0	mg/Kg			01/03/22 14:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	20.5	J	49.9	15.0	mg/Kg		12/29/21 13:57	12/31/21 14:08	1
Diesel Range Organics (Over C10-C28)	112	*	49.9	15.0	mg/Kg		12/29/21 13:57	12/31/21 14:08	1

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Client Sample Results

Client: Talon/LPE
Project/Site: 1022 Line Leak

Job ID: 890-1755-1

Client Sample ID: S-3

Date Collected: 12/27/21 09:10
Date Received: 12/27/21 10:14

Lab Sample ID: 890-1755-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		12/29/21 13:57	12/31/21 14:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*12/29/21 13:57*	*12/31/21 14:08*	*1*
o-Terphenyl	*89*		*70 - 130*	*12/29/21 13:57*	*12/31/21 14:08*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6290**		49.6	8.51	mg/Kg			01/03/22 12:12	10

Client Sample ID: S-4

Date Collected: 12/27/21 09:15
Date Received: 12/27/21 10:14

Lab Sample ID: 890-1755-4
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		01/03/22 10:00	01/04/22 07:37	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		01/03/22 10:00	01/04/22 07:37	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		01/03/22 10:00	01/04/22 07:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		01/03/22 10:00	01/04/22 07:37	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		01/03/22 10:00	01/04/22 07:37	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		01/03/22 10:00	01/04/22 07:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*153*	*X*	*70 - 130*	*01/03/22 10:00*	*01/04/22 07:37*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*01/03/22 10:00*	*01/04/22 07:37*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			01/03/22 13:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**69.1**		50.0	15.0	mg/Kg			01/03/22 14:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**31.3**	**J**	50.0	15.0	mg/Kg		12/29/21 13:57	12/31/21 14:28	1
Diesel Range Organics (Over C10-C28)	**37.8**	**J ***	50.0	15.0	mg/Kg		12/29/21 13:57	12/31/21 14:28	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/29/21 13:57	12/31/21 14:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*12/29/21 13:57*	*12/31/21 14:28*	*1*
o-Terphenyl	*89*		*70 - 130*	*12/29/21 13:57*	*12/31/21 14:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**931**		5.04	0.865	mg/Kg			01/03/22 12:20	1

Client Sample Results

Client: Talon/LPE
Job ID: 890-1755-1
Project/Site: 1022 Line Leak

Client Sample ID: S-5
Lab Sample ID: 890-1755-5
Date Collected: 12/27/21 09:25
Matrix: Solid
Date Received: 12/27/21 10:14

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		01/03/22 10:00	01/04/22 09:27	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		01/03/22 10:00	01/04/22 09:27	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		01/03/22 10:00	01/04/22 09:27	1
m-Xylene & p-Xylene	**0.00119**	**J**	0.00398	0.00100	mg/Kg		01/03/22 10:00	01/04/22 09:27	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		01/03/22 10:00	01/04/22 09:27	1
Xylenes, Total	**0.00119**	**J**	0.00398	0.00100	mg/Kg		01/03/22 10:00	01/04/22 09:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*164*	*X*	*70 - 130*	*01/03/22 10:00*	*01/04/22 09:27*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*01/03/22 10:00*	*01/04/22 09:27*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00119**	**J**	0.00398	0.00100	mg/Kg			01/03/22 13:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**107**		50.0	15.0	mg/Kg			01/03/22 14:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**29.5**	**J**	50.0	15.0	mg/Kg		12/29/21 13:57	12/31/21 14:49	1
Diesel Range Organics (Over C10-C28)	**77.5**	*****	50.0	15.0	mg/Kg		12/29/21 13:57	12/31/21 14:49	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/29/21 13:57	12/31/21 14:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*12/29/21 13:57*	*12/31/21 14:49*	*1*
o-Terphenyl	*82*		*70 - 130*	*12/29/21 13:57*	*12/31/21 14:49*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3190**		25.1	4.31	mg/Kg			01/03/22 16:08	5

Client Sample ID: S-6
Lab Sample ID: 890-1755-6
Date Collected: 12/27/21 09:39
Matrix: Solid
Date Received: 12/27/21 10:14

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000382	mg/Kg		01/03/22 10:00	01/04/22 09:55	1
Toluene	<0.00198	U	0.00198	0.000452	mg/Kg		01/03/22 10:00	01/04/22 09:55	1
Ethylbenzene	<0.00198	U	0.00198	0.000561	mg/Kg		01/03/22 10:00	01/04/22 09:55	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	0.00100	mg/Kg		01/03/22 10:00	01/04/22 09:55	1
o-Xylene	<0.00198	U	0.00198	0.000341	mg/Kg		01/03/22 10:00	01/04/22 09:55	1
Xylenes, Total	<0.00397	U	0.00397	0.00100	mg/Kg		01/03/22 10:00	01/04/22 09:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*01/03/22 10:00*	*01/04/22 09:55*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*01/03/22 10:00*	*01/04/22 09:55*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: 1022 Line Leak

Job ID: 890-1755-1

Client Sample ID: S-6

Date Collected: 12/27/21 09:39
Date Received: 12/27/21 10:14

Lab Sample ID: 890-1755-6

Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	0.00100	mg/Kg			01/03/22 13:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**50.4**		50.0	15.0	mg/Kg			01/03/22 14:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**29.0**	**J**	50.0	15.0	mg/Kg		12/29/21 13:57	12/31/21 15:10	1
Diesel Range Organics (Over C10-C28)	**21.4**	**J ***	50.0	15.0	mg/Kg		12/29/21 13:57	12/31/21 15:10	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/29/21 13:57	12/31/21 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*12/29/21 13:57*	*12/31/21 15:10*	*1*
o-Terphenyl	*92*		*70 - 130*	*12/29/21 13:57*	*12/31/21 15:10*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1090**		25.0	4.28	mg/Kg			01/03/22 16:16	5

Surrogate Summary

Client: Talon/LPE
Project/Site: 1022 Line Leak

Job ID: 890-1755-1

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-1755-1	S-1	166 X	99
890-1755-2	S-2	167 X	88
890-1755-3	S-3	164 X	94
890-1755-4	S-4	153 X	85
890-1755-5	S-5	164 X	75
890-1755-6	S-6	109	90
890-1756-A-3-D MS	Matrix Spike	137 X	89
890-1756-A-3-E MSD	Matrix Spike Duplicate	168 X	101
LCS 880-15802/1-A	Lab Control Sample	170 X	116
MB 880-15709/5-A	Method Blank	93	88
MB 880-15802/5-A	Method Blank	105	101

Surrogate Legend

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

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID		
LCSD 880-15802/2-A	Lab Control Sample Dup		

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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-1749-A-1-F MS	Matrix Spike	84	72
890-1749-A-1-G MSD	Matrix Spike Duplicate	83	71
890-1755-1	S-1	93	95
890-1755-2	S-2	116	114
890-1755-3	S-3	96	89
890-1755-4	S-4	93	89
890-1755-5	S-5	91	82
890-1755-6	S-6	97	92
LCS 880-15730/2-A	Lab Control Sample	108	86
LCSD 880-15730/3-A	Lab Control Sample Dup	114	91
MB 880-15730/1-A	Method Blank	116	122

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Talon/LPE
Project/Site: 1022 Line Leak

Job ID: 890-1755-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-15709/5-A
Matrix: Solid
Analysis Batch: 15877

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 15709

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		01/03/22 09:02	01/03/22 13:34	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		01/03/22 09:02	01/03/22 13:34	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		01/03/22 09:02	01/03/22 13:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		01/03/22 09:02	01/03/22 13:34	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		01/03/22 09:02	01/03/22 13:34	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		01/03/22 09:02	01/03/22 13:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*01/03/22 09:02*	*01/03/22 13:34*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*01/03/22 09:02*	*01/03/22 13:34*	*1*

Lab Sample ID: MB 880-15802/5-A
Matrix: Solid
Analysis Batch: 15877

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 15802

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		01/03/22 10:00	01/04/22 03:10	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		01/03/22 10:00	01/04/22 03:10	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		01/03/22 10:00	01/04/22 03:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		01/03/22 10:00	01/04/22 03:10	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		01/03/22 10:00	01/04/22 03:10	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		01/03/22 10:00	01/04/22 03:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*01/03/22 10:00*	*01/04/22 03:10*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*01/03/22 10:00*	*01/04/22 03:10*	*1*

Lab Sample ID: LCS 880-15802/1-A
Matrix: Solid
Analysis Batch: 15877

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 15802

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.07559		mg/Kg		76	70 - 130		
Toluene			0.100	0.07239		mg/Kg		72	70 - 130		
Ethylbenzene			0.100	0.08076		mg/Kg		81	70 - 130		
m-Xylene & p-Xylene			0.200	0.1616		mg/Kg		81	70 - 130		
o-Xylene			0.100	0.08324		mg/Kg		83	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*170*	*X*	*70 - 130*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*

Lab Sample ID: LCSD 880-15802/2-A
Matrix: Solid
Analysis Batch: 15877

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 15802

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.07218		mg/Kg					

QC Sample Results

Client: Talon/LPE
Project/Site: 1022 Line Leak

Job ID: 890-1755-1

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

Lab Sample ID: LCSD 880-15802/2-A
Matrix: Solid
Analysis Batch: 15877

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 15802

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene			0.100	0.08053		mg/Kg					
Ethylbenzene			0.100	0.07951		mg/Kg					
m-Xylene & p-Xylene			0.200	0.1599		mg/Kg					
o-Xylene			0.100	0.08145		mg/Kg					

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

Lab Sample ID: 890-1756-A-3-D MS
Matrix: Solid
Analysis Batch: 15877

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 15802

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00198	U	0.0998	0.02064	N1	mg/Kg		21	70 - 130		
Toluene	<0.00198	U	0.0998	0.01910	N1	mg/Kg		19	70 - 130		
Ethylbenzene	<0.00198	U	0.0998	0.01619	N1	mg/Kg		16	70 - 130		
m-Xylene & p-Xylene	<0.00396	U	0.200	0.03186	N1	mg/Kg		16	70 - 130		
o-Xylene	<0.00198	U	0.0998	0.01958	N1	mg/Kg		20	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*137*	*X*	*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: 890-1756-A-3-E MSD
Matrix: Solid
Analysis Batch: 15877

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 15802

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.101	0.05926	N1 N2	mg/Kg		59	70 - 130	97	35
Toluene	<0.00198	U	0.101	0.05203	N1 N2	mg/Kg		52	70 - 130	93	35
Ethylbenzene	<0.00198	U	0.101	0.04861	N1 N2	mg/Kg		48	70 - 130	100	35
m-Xylene & p-Xylene	<0.00396	U	0.202	0.09437	N1 N2	mg/Kg		47	70 - 130	99	35
o-Xylene	<0.00198	U	0.101	0.05331	N1 N2	mg/Kg		53	70 - 130	93	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*168*	*X*	*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

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

Lab Sample ID: MB 880-15730/1-A
Matrix: Solid
Analysis Batch: 15823

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 15730

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		12/29/21 13:57	12/31/21 11:25	1

QC Sample Results

Client: Talon/LPE
Project/Site: 1022 Line Leak

Job ID: 890-1755-1

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

Lab Sample ID: MB 880-15730/1-A
Matrix: Solid
Analysis Batch: 15823

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 15730

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		12/29/21 13:57	12/31/21 11:25	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/29/21 13:57	12/31/21 11:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*12/29/21 13:57*	*12/31/21 11:25*	*1*
o-Terphenyl	*122*		*70 - 130*	*12/29/21 13:57*	*12/31/21 11:25*	*1*

Lab Sample ID: LCS 880-15730/2-A
Matrix: Solid
Analysis Batch: 15823

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 15730

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	952.7		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1199		mg/Kg		120	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*108*		*70 - 130*
o-Terphenyl	*86*		*70 - 130*

Lab Sample ID: LCSD 880-15730/3-A
Matrix: Solid
Analysis Batch: 15823

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 15730

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1014		mg/Kg		101	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	1322	*	mg/Kg		132	70 - 130	10	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*114*		*70 - 130*
o-Terphenyl	*91*		*70 - 130*

Lab Sample ID: 890-1749-A-1-F MS
Matrix: Solid
Analysis Batch: 15823

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 15730

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	29.3	J	498	479.6		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U *	498	428.5		mg/Kg		86	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*84*		*70 - 130*
o-Terphenyl	*72*		*70 - 130*

QC Sample Results

Client: Talon/LPE
Project/Site: 1022 Line Leak

Job ID: 890-1755-1

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

Lab Sample ID: 890-1749-A-1-G MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 15823 — **Prep Batch: 15730**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	29.3	J	500	482.3		mg/Kg		91	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U *	500	425.5		mg/Kg		85	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*83*		*70 - 130*
o-Terphenyl	*71*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-15703/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 15914

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.858	mg/Kg			01/03/22 08:25	1

Lab Sample ID: LCS 880-15703/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 15914

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	241.7		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-15703/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 15914

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	241.2		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-9695-A-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 15914

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	192		250	452.2		mg/Kg		104	90 - 110

Lab Sample ID: 880-9695-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 15914

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	192		250	453.9		mg/Kg		105	90 - 110	0	20

QC Sample Results

Client: Talon/LPE
Project/Site: 1022 Line Leak

Job ID: 890-1755-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-9699-A-9-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 15914

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	2400		1250	3711		mg/Kg		105	90 - 110

Lab Sample ID: 880-9699-A-9-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 15914

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	2400		1250	3705		mg/Kg		104	90 - 110	0	20

Lab Sample ID: MB 880-15705/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 15917

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.858	mg/Kg			01/03/22 13:00	1

Lab Sample ID: LCS 880-15705/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 15917

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	246.7		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-15705/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 15917

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	246.6		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 890-1690-A-6-E MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 15917

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	287		250	519.8		mg/Kg		93	90 - 110

Lab Sample ID: 890-1690-A-6-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 15917

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	287		250	514.3		mg/Kg		91	90 - 110	1	20

QC Association Summary

Client: Talon/LPE
Project/Site: 1022 Line Leak

Job ID: 890-1755-1

GC VOA

Prep Batch: 15709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-15709/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 15802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1755-1	S-1	Total/NA	Solid	5035	
890-1755-2	S-2	Total/NA	Solid	5035	
890-1755-3	S-3	Total/NA	Solid	5035	
890-1755-4	S-4	Total/NA	Solid	5035	
890-1755-5	S-5	Total/NA	Solid	5035	
890-1755-6	S-6	Total/NA	Solid	5035	
MB 880-15802/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-15802/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-15802/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1756-A-3-D MS	Matrix Spike	Total/NA	Solid	5035	
890-1756-A-3-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 15877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1755-1	S-1	Total/NA	Solid	8021B	15802
890-1755-2	S-2	Total/NA	Solid	8021B	15802
890-1755-3	S-3	Total/NA	Solid	8021B	15802
890-1755-4	S-4	Total/NA	Solid	8021B	15802
890-1755-5	S-5	Total/NA	Solid	8021B	15802
890-1755-6	S-6	Total/NA	Solid	8021B	15802
MB 880-15709/5-A	Method Blank	Total/NA	Solid	8021B	15709
MB 880-15802/5-A	Method Blank	Total/NA	Solid	8021B	15802
LCS 880-15802/1-A	Lab Control Sample	Total/NA	Solid	8021B	15802
LCSD 880-15802/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	15802
890-1756-A-3-D MS	Matrix Spike	Total/NA	Solid	8021B	15802
890-1756-A-3-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	15802

Analysis Batch: 15908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1755-1	S-1	Total/NA	Solid	Total BTEX	
890-1755-2	S-2	Total/NA	Solid	Total BTEX	
890-1755-3	S-3	Total/NA	Solid	Total BTEX	
890-1755-4	S-4	Total/NA	Solid	Total BTEX	
890-1755-5	S-5	Total/NA	Solid	Total BTEX	
890-1755-6	S-6	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 15730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1755-1	S-1	Total/NA	Solid	8015NM Prep	
890-1755-2	S-2	Total/NA	Solid	8015NM Prep	
890-1755-3	S-3	Total/NA	Solid	8015NM Prep	
890-1755-4	S-4	Total/NA	Solid	8015NM Prep	
890-1755-5	S-5	Total/NA	Solid	8015NM Prep	
890-1755-6	S-6	Total/NA	Solid	8015NM Prep	
MB 880-15730/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Talon/LPE
Project/Site: 1022 Line Leak

Job ID: 890-1755-1

GC Semi VOA (Continued)

Prep Batch: 15730 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-15730/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-15730/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1749-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1749-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 15823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1755-1	S-1	Total/NA	Solid	8015B NM	15730
890-1755-2	S-2	Total/NA	Solid	8015B NM	15730
890-1755-3	S-3	Total/NA	Solid	8015B NM	15730
890-1755-4	S-4	Total/NA	Solid	8015B NM	15730
890-1755-5	S-5	Total/NA	Solid	8015B NM	15730
890-1755-6	S-6	Total/NA	Solid	8015B NM	15730
MB 880-15730/1-A	Method Blank	Total/NA	Solid	8015B NM	15730
LCS 880-15730/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	15730
LCSD 880-15730/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	15730
890-1749-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	15730
890-1749-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	15730

Analysis Batch: 15912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1755-1	S-1	Total/NA	Solid	8015 NM	
890-1755-2	S-2	Total/NA	Solid	8015 NM	
890-1755-3	S-3	Total/NA	Solid	8015 NM	
890-1755-4	S-4	Total/NA	Solid	8015 NM	
890-1755-5	S-5	Total/NA	Solid	8015 NM	
890-1755-6	S-6	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 15703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1755-1	S-1	Soluble	Solid	DI Leach	
890-1755-2	S-2	Soluble	Solid	DI Leach	
890-1755-3	S-3	Soluble	Solid	DI Leach	
890-1755-4	S-4	Soluble	Solid	DI Leach	
MB 880-15703/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-15703/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-15703/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9695-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-9695-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-9699-A-9-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-9699-A-9-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 15705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1755-5	S-5	Soluble	Solid	DI Leach	
890-1755-6	S-6	Soluble	Solid	DI Leach	
MB 880-15705/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-15705/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-15705/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: Talon/LPE
Project/Site: 1022 Line Leak

Job ID: 890-1755-1

HPLC/IC (Continued)

Leach Batch: 15705 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1690-A-6-E MS	Matrix Spike	Soluble	Solid	DI Leach	
890-1690-A-6-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 15914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1755-1	S-1	Soluble	Solid	300.0	15703
890-1755-2	S-2	Soluble	Solid	300.0	15703
890-1755-3	S-3	Soluble	Solid	300.0	15703
890-1755-4	S-4	Soluble	Solid	300.0	15703
MB 880-15703/1-A	Method Blank	Soluble	Solid	300.0	15703
LCS 880-15703/2-A	Lab Control Sample	Soluble	Solid	300.0	15703
LCSD 880-15703/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	15703
880-9695-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	15703
880-9695-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	15703
880-9699-A-9-C MS	Matrix Spike	Soluble	Solid	300.0	15703
880-9699-A-9-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	15703

Analysis Batch: 15917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1755-5	S-5	Soluble	Solid	300.0	15705
890-1755-6	S-6	Soluble	Solid	300.0	15705
MB 880-15705/1-A	Method Blank	Soluble	Solid	300.0	15705
LCS 880-15705/2-A	Lab Control Sample	Soluble	Solid	300.0	15705
LCSD 880-15705/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	15705
890-1690-A-6-E MS	Matrix Spike	Soluble	Solid	300.0	15705
890-1690-A-6-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	15705

Lab Chronicle

Client: Talon/LPE
Job ID: 890-1755-1
Project/Site: 1022 Line Leak

Client Sample ID: S-1
Lab Sample ID: 890-1755-1
Date Collected: 12/27/21 08:50
Matrix: Solid
Date Received: 12/27/21 10:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	15802	01/03/22 10:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15877	01/04/22 06:15	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15908	01/03/22 13:25	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15912	01/03/22 14:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	15730	12/29/21 13:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15823	12/31/21 13:27	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	15703	12/29/21 08:41	CH	XEN MID
Soluble	Analysis	300.0		5			15914	01/03/22 11:57	CH	XEN MID

Client Sample ID: S-2
Lab Sample ID: 890-1755-2
Date Collected: 12/27/21 09:00
Matrix: Solid
Date Received: 12/27/21 10:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	15802	01/03/22 10:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15877	01/04/22 06:42	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15908	01/03/22 13:25	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15912	01/03/22 14:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	15730	12/29/21 13:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15823	12/31/21 13:47	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	15703	12/29/21 08:41	CH	XEN MID
Soluble	Analysis	300.0		10			15914	01/03/22 12:05	CH	XEN MID

Client Sample ID: S-3
Lab Sample ID: 890-1755-3
Date Collected: 12/27/21 09:10
Matrix: Solid
Date Received: 12/27/21 10:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	15802	01/03/22 10:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15877	01/04/22 07:10	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15908	01/03/22 13:25	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15912	01/03/22 14:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	15730	12/29/21 13:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15823	12/31/21 14:08	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	15703	12/29/21 08:41	CH	XEN MID
Soluble	Analysis	300.0		10			15914	01/03/22 12:12	CH	XEN MID

Client Sample ID: S-4
Lab Sample ID: 890-1755-4
Date Collected: 12/27/21 09:15
Matrix: Solid
Date Received: 12/27/21 10:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	15802	01/03/22 10:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15877	01/04/22 07:37	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15908	01/03/22 13:25	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Talon/LPE
Project/Site: 1022 Line Leak

Job ID: 890-1755-1

Client Sample ID: S-4

Date Collected: 12/27/21 09:15
Date Received: 12/27/21 10:14

Lab Sample ID: 890-1755-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			15912	01/03/22 14:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	15730	12/29/21 13:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15823	12/31/21 14:28	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	15703	12/29/21 08:41	CH	XEN MID
Soluble	Analysis	300.0		1			15914	01/03/22 12:20	CH	XEN MID

Client Sample ID: S-5

Date Collected: 12/27/21 09:25
Date Received: 12/27/21 10:14

Lab Sample ID: 890-1755-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	15802	01/03/22 10:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15877	01/04/22 09:27	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15908	01/03/22 13:25	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15912	01/03/22 14:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	15730	12/29/21 13:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15823	12/31/21 14:49	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	15705	12/29/21 08:46	CH	XEN MID
Soluble	Analysis	300.0		5			15917	01/03/22 16:08	CH	XEN MID

Client Sample ID: S-6

Date Collected: 12/27/21 09:39
Date Received: 12/27/21 10:14

Lab Sample ID: 890-1755-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	15802	01/03/22 10:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15877	01/04/22 09:55	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15908	01/03/22 13:25	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15912	01/03/22 14:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	15730	12/29/21 13:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15823	12/31/21 15:10	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	15705	12/29/21 08:46	CH	XEN MID
Soluble	Analysis	300.0		5			15917	01/03/22 16:16	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Talon/LPE
Job ID: 890-1755-1
Project/Site: 1022 Line Leak

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	T104704400-21-22	06-30-22

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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Talon/LPE
Project/Site: 1022 Line Leak

Job ID: 890-1755-1

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

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.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Talon/LPE
Project/Site: 1022 Line Leak

Job ID: 890-1755-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-1755-1	S-1	Solid	12/27/21 08:50	12/27/21 10:14
890-1755-2	S-2	Solid	12/27/21 09:00	12/27/21 10:14
890-1755-3	S-3	Solid	12/27/21 09:10	12/27/21 10:14
890-1755-4	S-4	Solid	12/27/21 09:15	12/27/21 10:14
890-1755-5	S-5	Solid	12/27/21 09:25	12/27/21 10:14
890-1755-6	S-6	Solid	12/27/21 09:39	12/27/21 10:14

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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: ____________

www.xenco.com Page 1 of 1

Cooling in progress N.O

Project Manager:	Roberta Ross	Bill to: (if different)	
Company Name:	Talon LPE	Company Name:	
Address:	408 Texas	Address:	
City, State ZIP:	Artesia NM 88210	City, State ZIP:	
Phone:	(575) 746 8768	Email:	RDav@TalonLPE.com

Work Order Comments

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

Project Name:	1022 Lighting	Turn Around	☒ Routine ☐ Rush
Project Number:		Due Date:	
Project Location:	Pecos River EDDY		
Sampler's Name:	Art Perez	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	700 702.119.01		

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	[illegible]
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	20.2
Total Containers:		Corrected Temperature:	20.0

ANALYSIS REQUEST — Parameters: TPH, BTEX, CL

890-1755 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	TPH	BTEX	CL	Sample Comments
S 1		8:50	12:27			|	/	/	/	
S 2		9:05	12:27			|	/	/	/	
S 3		9:10	12:27			|	/	/	/	
S 4		9:15	12:27			|	/	/	/	
S 5		9:25	12:27			|	/	/	/	
S 6		9:39	12:27			|	/	/	/	

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2SO_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: NaSO$_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 [signature]	[signature]	12/27/21 10:14	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-1755-1

Login Number: 1755 **List Source: Eurofins Xenco, Carlsbad**
List Number: 1
Creator: Olivas, Nathaniel

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

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-1755-1

Login Number: 1755 **List Source: Eurofins Xenco, Midland**
List Number: 2 **List Creation: 12/28/21 10:39 AM**
Creator: Rodriguez, Leticia

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	

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ANALYTICAL REPORT

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-1833-1
Laboratory Sample Delivery Group: 700702.119.01
Client Project/Site: 1022 LINE LEAK

For:
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

Attn: Rebecca Pons

JKramer

Authorized for release by:
1/18/2022 3:34:04 PM

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

Client: Talon/LPE
Project/Site: 1022 LINE LEAK

Laboratory Job ID: 890-1833-1
SDG: 700702.119.01

Table of Contents

Definitions/Glossary

Client: Talon/LPE
Project/Site: 1022 LINE LEAK

Job ID: 890-1833-1
SDG: 700702.119.01

Qualifiers

GC VOA

Qualifier	Qualifier Description
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
U	Analyte was not detected at or above the SDL.
X	Surrogate recovery exceeds control limits

GC Semi VOA

Qualifier	Qualifier Description
b	The compound was found in the blank and sample
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
N1	MS, MSD: Spike recovery exceeds upper or lower control limits.
U	Analyte was not detected at or above the SDL.
X	Surrogate recovery exceeds control limits

HPLC/IC

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

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: Talon/LPE
Project/Site: 1022 LINE LEAK

Job ID: 890-1833-1
SDG: 700702.119.01

Job ID: 890-1833-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-1833-1

Receipt
The samples were received on 1/14/2022 10:24 AM. 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 5.8°C

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

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

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

Client Sample Results

Client: Talon/LPE
Project/Site: 1022 LINE LEAK

Job ID: 890-1833-1
SDG: 700702.119.01

Client Sample ID: S1A

Date Collected: 01/12/22 01:11
Date Received: 01/14/22 10:24

Lab Sample ID: 890-1833-1
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000445	J	0.00202	0.000389	mg/Kg		01/17/22 07:30	01/17/22 15:47	1
Toluene	0.000543	J	0.00202	0.000461	mg/Kg		01/17/22 07:30	01/17/22 15:47	1
Ethylbenzene	0.000969	J	0.00202	0.000571	mg/Kg		01/17/22 07:30	01/17/22 15:47	1
m-Xylene & p-Xylene	0.00105	J	0.00404	0.00102	mg/Kg		01/17/22 07:30	01/17/22 15:47	1
o-Xylene	0.000483	J	0.00202	0.000347	mg/Kg		01/17/22 07:30	01/17/22 15:47	1
Xylenes, Total	0.00153	J	0.00404	0.00102	mg/Kg		01/17/22 07:30	01/17/22 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*01/17/22 07:30*	*01/17/22 15:47*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*01/17/22 07:30*	*01/17/22 15:47*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00349	J	0.00404	0.00102	mg/Kg			01/17/22 15:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.0	mg/Kg			01/17/22 14:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		01/17/22 09:16	01/17/22 17:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		01/17/22 09:16	01/17/22 17:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		01/17/22 09:16	01/17/22 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*01/17/22 09:16*	*01/17/22 17:20*	*1*
o-Terphenyl	*90*		*70 - 130*	*01/17/22 09:16*	*01/17/22 17:20*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	789		4.99	0.857	mg/Kg			01/17/22 18:31	1

Client Sample ID: S2A

Date Collected: 01/12/22 01:20
Date Received: 01/14/22 10:24

Lab Sample ID: 890-1833-2
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00166	J	0.00201	0.000387	mg/Kg		01/17/22 07:30	01/17/22 16:08	1
Toluene	0.00236		0.00201	0.000458	mg/Kg		01/17/22 07:30	01/17/22 16:08	1
Ethylbenzene	<0.00201	U	0.00201	0.000567	mg/Kg		01/17/22 07:30	01/17/22 16:08	1
m-Xylene & p-Xylene	0.00207	J	0.00402	0.00101	mg/Kg		01/17/22 07:30	01/17/22 16:08	1
o-Xylene	0.00302		0.00201	0.000345	mg/Kg		01/17/22 07:30	01/17/22 16:08	1
Xylenes, Total	0.00509		0.00402	0.00101	mg/Kg		01/17/22 07:30	01/17/22 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*01/17/22 07:30*	*01/17/22 16:08*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*01/17/22 07:30*	*01/17/22 16:08*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: 1022 LINE LEAK

Job ID: 890-1833-1
SDG: 700702.119.01

Client Sample ID: S2A

Lab Sample ID: 890-1833-2
Matrix: Solid
Date Collected: 01/12/22 01:20
Date Received: 01/14/22 10:24

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00911**		0.00402	0.00101	mg/Kg			01/17/22 15:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**16.3**	**J**	49.9	15.0	mg/Kg			01/17/22 14:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**16.3**	**J**	49.9	15.0	mg/Kg		01/17/22 09:16	01/17/22 17:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		01/17/22 09:16	01/17/22 17:41	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		01/17/22 09:16	01/17/22 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*01/17/22 09:16*	*01/17/22 17:41*	*1*
o-Terphenyl	*104*		*70 - 130*	*01/17/22 09:16*	*01/17/22 17:41*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**985**		5.01	0.860	mg/Kg			01/17/22 18:43	1

Client Sample ID: S3A

Lab Sample ID: 890-1833-3
Matrix: Solid
Date Collected: 01/12/22 13:25
Date Received: 01/14/22 10:24

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		01/17/22 07:30	01/17/22 16:28	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		01/17/22 07:30	01/17/22 16:28	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		01/17/22 07:30	01/17/22 16:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		01/17/22 07:30	01/17/22 16:28	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		01/17/22 07:30	01/17/22 16:28	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		01/17/22 07:30	01/17/22 16:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*01/17/22 07:30*	*01/17/22 16:28*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*01/17/22 07:30*	*01/17/22 16:28*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			01/17/22 15:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**20.5**	**J**	50.0	15.0	mg/Kg			01/17/22 14:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		01/17/22 09:16	01/17/22 18:02	1
Diesel Range Organics (Over C10-C28)	**20.5**	**J**	50.0	15.0	mg/Kg		01/17/22 09:16	01/17/22 18:02	1

Client Sample Results

Client: Talon/LPE
Project/Site: 1022 LINE LEAK

Job ID: 890-1833-1
SDG: 700702.119.01

Client Sample ID: S3A

Lab Sample ID: 890-1833-3
Matrix: Solid
Date Collected: 01/12/22 13:25
Date Received: 01/14/22 10:24

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		01/17/22 09:16	01/17/22 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*01/17/22 09:16*	*01/17/22 18:02*	*1*
o-Terphenyl	*86*		*70 - 130*	*01/17/22 09:16*	*01/17/22 18:02*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**651**		4.98	0.855	mg/Kg			01/17/22 18:55	1

Client Sample ID: S4A

Lab Sample ID: 890-1833-4
Matrix: Solid
Date Collected: 01/12/22 13:30
Date Received: 01/14/22 10:24

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0193**		0.00202	0.000389	mg/Kg		01/17/22 07:30	01/17/22 16:49	1
Toluene	**0.00252**		0.00202	0.000461	mg/Kg		01/17/22 07:30	01/17/22 16:49	1
Ethylbenzene	**0.0167**		0.00202	0.000571	mg/Kg		01/17/22 07:30	01/17/22 16:49	1
m-Xylene & p-Xylene	**0.00201**	**J**	0.00404	0.00102	mg/Kg		01/17/22 07:30	01/17/22 16:49	1
o-Xylene	**0.00145**	**J**	0.00202	0.000347	mg/Kg		01/17/22 07:30	01/17/22 16:49	1
Xylenes, Total	**0.00346**	**J**	0.00404	0.00102	mg/Kg		01/17/22 07:30	01/17/22 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*173*	*X*	*70 - 130*	*01/17/22 07:30*	*01/17/22 16:49*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*01/17/22 07:30*	*01/17/22 16:49*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0420**		0.00404	0.00102	mg/Kg			01/17/22 15:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**20.5**	**J**	49.9	15.0	mg/Kg			01/17/22 14:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**20.5**	**J**	49.9	15.0	mg/Kg		01/17/22 09:16	01/17/22 18:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		01/17/22 09:16	01/17/22 18:23	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		01/17/22 09:16	01/17/22 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*01/17/22 09:16*	*01/17/22 18:23*	*1*
o-Terphenyl	*91*		*70 - 130*	*01/17/22 09:16*	*01/17/22 18:23*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1060**		24.8	4.25	mg/Kg			01/17/22 19:07	5

Client Sample Results

Client: Talon/LPE
Project/Site: 1022 LINE LEAK

Job ID: 890-1833-1
SDG: 700702.119.01

Client Sample ID: S5A

Date Collected: 01/12/22 13:35
Date Received: 01/14/22 10:24

Lab Sample ID: 890-1833-5
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00911		0.00199	0.000383	mg/Kg		01/17/22 07:30	01/17/22 17:09	1
Toluene	0.00191	J	0.00199	0.000454	mg/Kg		01/17/22 07:30	01/17/22 17:09	1
Ethylbenzene	0.00102	J	0.00199	0.000563	mg/Kg		01/17/22 07:30	01/17/22 17:09	1
m-Xylene & p-Xylene	0.00105	J	0.00398	0.00101	mg/Kg		01/17/22 07:30	01/17/22 17:09	1
o-Xylene	0.00432		0.00199	0.000343	mg/Kg		01/17/22 07:30	01/17/22 17:09	1
Xylenes, Total	0.00537		0.00398	0.00101	mg/Kg		01/17/22 07:30	01/17/22 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*01/17/22 07:30*	*01/17/22 17:09*	*1*
1,4-Difluorobenzene (Surr)	*49*	*X*	*70 - 130*	*01/17/22 07:30*	*01/17/22 17:09*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0174		0.00398	0.00101	mg/Kg			01/17/22 15:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.0	mg/Kg			01/17/22 14:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		01/17/22 09:16	01/17/22 18:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		01/17/22 09:16	01/17/22 18:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		01/17/22 09:16	01/17/22 18:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*01/17/22 09:16*	*01/17/22 18:44*	*1*
o-Terphenyl	*76*		*70 - 130*	*01/17/22 09:16*	*01/17/22 18:44*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	978		24.8	4.26	mg/Kg			01/17/22 19:18	5

Client Sample ID: S6A

Date Collected: 01/12/22 13:40
Date Received: 01/14/22 10:24

Lab Sample ID: 890-1833-6
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000654	J	0.00200	0.000384	mg/Kg		01/17/22 07:30	01/17/22 17:30	1
Toluene	0.00231		0.00200	0.000455	mg/Kg		01/17/22 07:30	01/17/22 17:30	1
Ethylbenzene	0.00237		0.00200	0.000564	mg/Kg		01/17/22 07:30	01/17/22 17:30	1
m-Xylene & p-Xylene	0.00530		0.00399	0.00101	mg/Kg		01/17/22 07:30	01/17/22 17:30	1
o-Xylene	0.00250		0.00200	0.000343	mg/Kg		01/17/22 07:30	01/17/22 17:30	1
Xylenes, Total	0.00780		0.00399	0.00101	mg/Kg		01/17/22 07:30	01/17/22 17:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*01/17/22 07:30*	*01/17/22 17:30*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*01/17/22 07:30*	*01/17/22 17:30*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: 1022 LINE LEAK

Job ID: 890-1833-1
SDG: 700702.119.01

Client Sample ID: S6A

Date Collected: 01/12/22 13:40
Date Received: 01/14/22 10:24

Lab Sample ID: 890-1833-6
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0131**		0.00399	0.00101	mg/Kg			01/17/22 15:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.0	mg/Kg			01/17/22 14:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		01/17/22 09:16	01/17/22 19:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		01/17/22 09:16	01/17/22 19:05	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		01/17/22 09:16	01/17/22 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*01/17/22 09:16*	*01/17/22 19:05*	*1*
o-Terphenyl	*90*		*70 - 130*	*01/17/22 09:16*	*01/17/22 19:05*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**462**		5.04	0.865	mg/Kg			01/17/22 19:54	1

Client Sample ID: S7A

Date Collected: 01/12/22 13:45
Date Received: 01/14/22 10:24

Lab Sample ID: 890-1833-7
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0814**		0.00198	0.000381	mg/Kg		01/17/22 07:30	01/17/22 17:50	1
Toluene	**0.109**		0.00198	0.000451	mg/Kg		01/17/22 07:30	01/17/22 17:50	1
Ethylbenzene	**0.0334**		0.00198	0.000559	mg/Kg		01/17/22 07:30	01/17/22 17:50	1
m-Xylene & p-Xylene	**0.00179**	**J**	0.00396	0.00100	mg/Kg		01/17/22 07:30	01/17/22 17:50	1
o-Xylene	**0.209**		0.00198	0.000341	mg/Kg		01/17/22 07:30	01/17/22 17:50	1
Xylenes, Total	**0.211**		0.00396	0.00100	mg/Kg		01/17/22 07:30	01/17/22 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*530*	*X*	*70 - 130*	*01/17/22 07:30*	*01/17/22 17:50*	*1*
1,4-Difluorobenzene (Surr)	*139*	*X*	*70 - 130*	*01/17/22 07:30*	*01/17/22 17:50*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.435**		0.00396	0.00100	mg/Kg			01/17/22 15:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**19.9**	**J**	49.8	14.9	mg/Kg			01/17/22 14:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**19.9**	**J**	49.8	14.9	mg/Kg		01/17/22 09:16	01/17/22 19:25	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	14.9	mg/Kg		01/17/22 09:16	01/17/22 19:25	1

Client Sample Results

Client: Talon/LPE
Project/Site: 1022 LINE LEAK

Job ID: 890-1833-1
SDG: 700702.119.01

Client Sample ID: S7A

Lab Sample ID: 890-1833-7
Matrix: Solid
Date Collected: 01/12/22 13:45
Date Received: 01/14/22 10:24

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		01/17/22 09:16	01/17/22 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*01/17/22 09:16*	*01/17/22 19:25*	*1*
o-Terphenyl	*95*		*70 - 130*	*01/17/22 09:16*	*01/17/22 19:25*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1230**		24.9	4.27	mg/Kg			01/17/22 20:06	5

Client Sample ID: SW1

Lab Sample ID: 890-1833-8
Matrix: Solid
Date Collected: 01/13/22 09:30
Date Received: 01/14/22 10:24

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000648**	**J**	0.00199	0.000383	mg/Kg		01/17/22 07:30	01/17/22 18:10	1
Toluene	**0.00317**		0.00199	0.000453	mg/Kg		01/17/22 07:30	01/17/22 18:10	1
Ethylbenzene	**0.00135**	**J**	0.00199	0.000562	mg/Kg		01/17/22 07:30	01/17/22 18:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		01/17/22 07:30	01/17/22 18:10	1
o-Xylene	**0.00196**	**J**	0.00199	0.000342	mg/Kg		01/17/22 07:30	01/17/22 18:10	1
Xylenes, Total	**0.00196**	**J**	0.00398	0.00100	mg/Kg		01/17/22 07:30	01/17/22 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*01/17/22 07:30*	*01/17/22 18:10*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*01/17/22 07:30*	*01/17/22 18:10*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00713**		0.00398	0.00100	mg/Kg			01/17/22 15:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**18.6**	**J**	50.0	15.0	mg/Kg			01/17/22 14:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**18.6**	**J**	50.0	15.0	mg/Kg		01/17/22 09:16	01/17/22 19:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		01/17/22 09:16	01/17/22 19:46	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		01/17/22 09:16	01/17/22 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*01/17/22 09:16*	*01/17/22 19:46*	*1*
o-Terphenyl	*81*		*70 - 130*	*01/17/22 09:16*	*01/17/22 19:46*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**543**		25.0	4.29	mg/Kg			01/17/22 20:41	5

Client Sample Results

Client: Talon/LPE
Project/Site: 1022 LINE LEAK

Job ID: 890-1833-1
SDG: 700702.119.01

Client Sample ID: SW2

Lab Sample ID: 890-1833-9
Matrix: Solid
Date Collected: 01/13/22 09:35
Date Received: 01/14/22 10:24

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000388	mg/Kg		01/17/22 07:30	01/17/22 18:31	1
Toluene	<0.00202	U	0.00202	0.000460	mg/Kg		01/17/22 07:30	01/17/22 18:31	1
Ethylbenzene	<0.00202	U	0.00202	0.000570	mg/Kg		01/17/22 07:30	01/17/22 18:31	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00102	mg/Kg		01/17/22 07:30	01/17/22 18:31	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		01/17/22 07:30	01/17/22 18:31	1
Xylenes, Total	<0.00403	U	0.00403	0.00102	mg/Kg		01/17/22 07:30	01/17/22 18:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*01/17/22 07:30*	*01/17/22 18:31*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*01/17/22 07:30*	*01/17/22 18:31*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	0.00102	mg/Kg			01/17/22 15:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**24.1**	**J**	50.0	15.0	mg/Kg			01/17/22 14:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**24.1**	**J**	50.0	15.0	mg/Kg		01/17/22 09:16	01/17/22 20:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		01/17/22 09:16	01/17/22 20:08	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		01/17/22 09:16	01/17/22 20:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*01/17/22 09:16*	*01/17/22 20:08*	*1*
o-Terphenyl	*100*		*70 - 130*	*01/17/22 09:16*	*01/17/22 20:08*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**566**		25.0	4.29	mg/Kg			01/17/22 20:53	5

Client Sample ID: SW3

Lab Sample ID: 890-1833-10
Matrix: Solid
Date Collected: 01/13/22 09:40
Date Received: 01/14/22 10:24

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000435**	**J**	0.00200	0.000386	mg/Kg		01/17/22 07:30	01/17/22 18:51	1
Toluene	**0.00257**		0.00200	0.000457	mg/Kg		01/17/22 07:30	01/17/22 18:51	1
Ethylbenzene	**0.000581**	**J**	0.00200	0.000566	mg/Kg		01/17/22 07:30	01/17/22 18:51	1
m-Xylene & p-Xylene	**0.00630**		0.00401	0.00101	mg/Kg		01/17/22 07:30	01/17/22 18:51	1
o-Xylene	**0.000965**	**J**	0.00200	0.000345	mg/Kg		01/17/22 07:30	01/17/22 18:51	1
Xylenes, Total	**0.00727**		0.00401	0.00101	mg/Kg		01/17/22 07:30	01/17/22 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*01/17/22 07:30*	*01/17/22 18:51*	*1*
1,4-Difluorobenzene (Surr)	*151*	*X*	*70 - 130*	*01/17/22 07:30*	*01/17/22 18:51*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: 1022 LINE LEAK

Job ID: 890-1833-1
SDG: 700702.119.01

Client Sample ID: SW3

Date Collected: 01/13/22 09:40
Date Received: 01/14/22 10:24

Lab Sample ID: 890-1833-10
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0109**		0.00401	0.00101	mg/Kg			01/17/22 15:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**15.3**	**J**	49.9	15.0	mg/Kg			01/17/22 14:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**15.3**	**J**	49.9	15.0	mg/Kg		01/17/22 09:16	01/17/22 20:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		01/17/22 09:16	01/17/22 20:29	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		01/17/22 09:16	01/17/22 20:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*01/17/22 09:16*	*01/17/22 20:29*	*1*
o-Terphenyl	*77*		*70 - 130*	*01/17/22 09:16*	*01/17/22 20:29*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**381**		24.8	4.25	mg/Kg			01/17/22 21:05	5

Client Sample ID: SW4

Date Collected: 01/13/22 09:45
Date Received: 01/14/22 10:24

Lab Sample ID: 890-1833-11
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000742**	**J**	0.00200	0.000384	mg/Kg		01/17/22 07:30	01/17/22 16:16	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		01/17/22 07:30	01/17/22 16:16	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		01/17/22 07:30	01/17/22 16:16	1
m-Xylene & p-Xylene	**0.00160**	**J**	0.00399	0.00101	mg/Kg		01/17/22 07:30	01/17/22 16:16	1
o-Xylene	**0.000467**	**J**	0.00200	0.000343	mg/Kg		01/17/22 07:30	01/17/22 16:16	1
Xylenes, Total	**0.00207**	**J**	0.00399	0.00101	mg/Kg		01/17/22 07:30	01/17/22 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*01/17/22 07:30*	*01/17/22 16:16*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*01/17/22 07:30*	*01/17/22 16:16*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00281**	**J**	0.00399	0.00101	mg/Kg			01/17/22 15:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**19.4**	**J**	50.0	15.0	mg/Kg			01/17/22 14:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		01/17/22 09:12	01/17/22 17:25	1
Diesel Range Organics (Over C10-C28)	**19.4**	**J b**	50.0	15.0	mg/Kg		01/17/22 09:12	01/17/22 17:25	1

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Client Sample Results

Client: Talon/LPE
Project/Site: 1022 LINE LEAK

Job ID: 890-1833-1
SDG: 700702.119.01

Client Sample ID: SW4

Date Collected: 01/13/22 09:45
Date Received: 01/14/22 10:24

Lab Sample ID: 890-1833-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		01/17/22 09:12	01/17/22 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*65*	*X*	*70 - 130*	*01/17/22 09:12*	*01/17/22 17:25*	*1*
o-Terphenyl	*65*	*X*	*70 - 130*	*01/17/22 09:12*	*01/17/22 17:25*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**516**		5.00	0.858	mg/Kg			01/17/22 21:17	1

Client Sample ID: SW5

Date Collected: 01/13/22 09:50
Date Received: 01/14/22 10:24

Lab Sample ID: 890-1833-12
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000600**	**J**	0.00201	0.000387	mg/Kg		01/17/22 07:30	01/17/22 16:36	1
Toluene	**0.000757**	**J**	0.00201	0.000459	mg/Kg		01/17/22 07:30	01/17/22 16:36	1
Ethylbenzene	**0.00177**	**J**	0.00201	0.000568	mg/Kg		01/17/22 07:30	01/17/22 16:36	1
m-Xylene & p-Xylene	**0.00183**	**J**	0.00402	0.00102	mg/Kg		01/17/22 07:30	01/17/22 16:36	1
o-Xylene	**0.00152**	**J**	0.00201	0.000346	mg/Kg		01/17/22 07:30	01/17/22 16:36	1
Xylenes, Total	**0.00335**	**J**	0.00402	0.00102	mg/Kg		01/17/22 07:30	01/17/22 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*01/17/22 07:30*	*01/17/22 16:36*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*01/17/22 07:30*	*01/17/22 16:36*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00648**		0.00402	0.00102	mg/Kg			01/17/22 15:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**28.9**	**J**	49.9	15.0	mg/Kg			01/17/22 14:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		01/17/22 09:12	01/17/22 17:46	1
Diesel Range Organics (Over C10-C28)	**28.9**	**J b**	49.9	15.0	mg/Kg		01/17/22 09:12	01/17/22 17:46	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		01/17/22 09:12	01/17/22 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*71*		*70 - 130*	*01/17/22 09:12*	*01/17/22 17:46*	*1*
o-Terphenyl	*72*		*70 - 130*	*01/17/22 09:12*	*01/17/22 17:46*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**811**		5.00	0.858	mg/Kg			01/17/22 21:29	1

Client Sample Results

Client: Talon/LPE
Project/Site: 1022 LINE LEAK

Job ID: 890-1833-1
SDG: 700702.119.01

Client Sample ID: SW6

Lab Sample ID: 890-1833-13
Matrix: Solid
Date Collected: 01/13/22 09:55
Date Received: 01/14/22 10:24

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000386	mg/Kg		01/17/22 07:30	01/17/22 16:56	1
Toluene	<0.00200	U	0.00200	0.000457	mg/Kg		01/17/22 07:30	01/17/22 16:56	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg		01/17/22 07:30	01/17/22 16:56	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		01/17/22 07:30	01/17/22 16:56	1
o-Xylene	<0.00200	U	0.00200	0.000345	mg/Kg		01/17/22 07:30	01/17/22 16:56	1
Xylenes, Total	<0.00401	U	0.00401	0.00101	mg/Kg		01/17/22 07:30	01/17/22 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*01/17/22 07:30*	*01/17/22 16:56*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*01/17/22 07:30*	*01/17/22 16:56*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	0.00101	mg/Kg			01/17/22 15:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**24.0**	**J**	50.0	15.0	mg/Kg			01/17/22 14:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		01/17/22 09:12	01/17/22 18:07	1
Diesel Range Organics (Over C10-C28)	**24.0**	**J b**	50.0	15.0	mg/Kg		01/17/22 09:12	01/17/22 18:07	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		01/17/22 09:12	01/17/22 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*01/17/22 09:12*	*01/17/22 18:07*	*1*
o-Terphenyl	*87*		*70 - 130*	*01/17/22 09:12*	*01/17/22 18:07*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**447**		4.99	0.857	mg/Kg			01/17/22 21:41	1

Client Sample ID: SW7

Lab Sample ID: 890-1833-14
Matrix: Solid
Date Collected: 01/13/22 10:00
Date Received: 01/14/22 10:24

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		01/17/22 07:30	01/17/22 17:17	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		01/17/22 07:30	01/17/22 17:17	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		01/17/22 07:30	01/17/22 17:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		01/17/22 07:30	01/17/22 17:17	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		01/17/22 07:30	01/17/22 17:17	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		01/17/22 07:30	01/17/22 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*01/17/22 07:30*	*01/17/22 17:17*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*01/17/22 07:30*	*01/17/22 17:17*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: 1022 LINE LEAK

Job ID: 890-1833-1
SDG: 700702.119.01

Client Sample ID: SW7

Date Collected: 01/13/22 10:00
Date Received: 01/14/22 10:24

Lab Sample ID: 890-1833-14

Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			01/17/22 15:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**21.9**	**J**	49.9	15.0	mg/Kg			01/17/22 14:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		01/17/22 09:12	01/17/22 18:28	1
Diesel Range Organics (Over C10-C28)	**21.9**	**J b**	49.9	15.0	mg/Kg		01/17/22 09:12	01/17/22 18:28	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		01/17/22 09:12	01/17/22 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*68*	*X*	*70 - 130*	*01/17/22 09:12*	*01/17/22 18:28*	*1*
o-Terphenyl	*70*		*70 - 130*	*01/17/22 09:12*	*01/17/22 18:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**236**		5.02	0.862	mg/Kg			01/17/22 21:53	1

Surrogate Summary

Client: Talon/LPE
Project/Site: 1022 LINE LEAK

Job ID: 890-1833-1
SDG: 700702.119.01

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)										
890-1830-A-1-A MS	Matrix Spike	107	94										
890-1830-A-1-B MSD	Matrix Spike Duplicate	105	100										
890-1831-A-1-A MS	Matrix Spike	102	89										
890-1831-A-1-B MSD	Matrix Spike Duplicate	103	104										
890-1833-1	S1A	111	104										
890-1833-2	S2A	104	84										
890-1833-3	S3A	106	114										
890-1833-4	S4A	173 X	104										
890-1833-5	S5A	101	49 X										
890-1833-6	S6A	102	73										
890-1833-7	S7A	530 X	139 X										
890-1833-8	SW1	87	80										
890-1833-9	SW2	107	100										
890-1833-10	SW3	109	151 X										
890-1833-11	SW4	113	91										
890-1833-12	SW5	117	94										
890-1833-13	SW6	125	101										
890-1833-14	SW7	90	76										
LCS 880-16866/1-A	Lab Control Sample	101	94										
LCS 880-16867/1-A	Lab Control Sample	117	102										
LCSD 880-16866/2-A	Lab Control Sample Dup	100	98										
LCSD 880-16867/2-A	Lab Control Sample Dup	109	93										
MB 880-16866/5-A	Method Blank	112	98										
MB 880-16867/5-A	Method Blank	121	104										

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)										
890-1830-A-1-E MS	Matrix Spike	67 X	60 X										
890-1830-A-1-F MSD	Matrix Spike Duplicate	77	68 X										
890-1831-A-1-E MS	Matrix Spike	87	78										
890-1831-A-1-F MSD	Matrix Spike Duplicate	82	76										
890-1833-1	S1A	89	90										
890-1833-2	S2A	105	104										
890-1833-3	S3A	94	86										
890-1833-4	S4A	84	91										
890-1833-5	S5A	83	76										
890-1833-6	S6A	91	90										
890-1833-7	S7A	99	95										
890-1833-8	SW1	83	81										
890-1833-9	SW2	97	100										
890-1833-10	SW3	76	77										
890-1833-11	SW4	65 X	65 X										

Surrogate Summary

Client: Talon/LPE
Project/Site: 1022 LINE LEAK

Job ID: 890-1833-1
SDG: 700702.119.01

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
890-1833-12	SW5	71	72								
890-1833-13	SW6	83	87								
890-1833-14	SW7	68 X	70								
LCS 880-16978/2-A	Lab Control Sample	98	92								
LCSD 880-16978/3-A	Lab Control Sample Dup	91	89								
MB 880-16978/1-A	Method Blank	74	77								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO2	OTPH2								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
LCS 880-16979/2-A	Lab Control Sample	103	103								
LCSD 880-16979/3-A	Lab Control Sample Dup	97	96								
MB 880-16979/1-A	Method Blank	84	84								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Talon/LPE
Project/Site: 1022 LINE LEAK

Job ID: 890-1833-1
SDG: 700702.119.01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-16866/5-A
Matrix: Solid
Analysis Batch: 16966

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 16866

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		01/17/22 07:30	01/17/22 11:00	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		01/17/22 07:30	01/17/22 11:00	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		01/17/22 07:30	01/17/22 11:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		01/17/22 07:30	01/17/22 11:00	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		01/17/22 07:30	01/17/22 11:00	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		01/17/22 07:30	01/17/22 11:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*01/17/22 07:30*	*01/17/22 11:00*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*01/17/22 07:30*	*01/17/22 11:00*	*1*

Lab Sample ID: LCS 880-16866/1-A
Matrix: Solid
Analysis Batch: 16966

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 16866

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08383		mg/Kg		84	70 - 130
Toluene	0.100	0.07952		mg/Kg		80	70 - 130
Ethylbenzene	0.100	0.07824		mg/Kg		78	70 - 130
m-Xylene & p-Xylene	0.200	0.1639		mg/Kg		82	70 - 130
o-Xylene	0.100	0.08093		mg/Kg		81	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: LCSD 880-16866/2-A
Matrix: Solid
Analysis Batch: 16966

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 16866

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08521		mg/Kg		85	70 - 130	2	35
Toluene	0.100	0.07770		mg/Kg		78	70 - 130	2	35
Ethylbenzene	0.100	0.07460		mg/Kg		75	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.1541		mg/Kg		77	70 - 130	6	35
o-Xylene	0.100	0.07860		mg/Kg		79	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 890-1831-A-1-B MSD
Matrix: Solid
Analysis Batch: 16966

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 16866

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.101	0.09613		mg/Kg					
Toluene	0.000465	J	0.101	0.08518		mg/Kg					

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QC Sample Results

Client: Talon/LPE
Project/Site: 1022 LINE LEAK

Job ID: 890-1833-1
SDG: 700702.119.01

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

Lab Sample ID: 890-1831-A-1-B MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 16966 — **Prep Batch: 16866**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene	<0.00201	U	0.101	0.08842		mg/Kg					
m-Xylene & p-Xylene	<0.00402	U	0.201	0.1819		mg/Kg					
o-Xylene	<0.00201	U	0.101	0.08978		mg/Kg					

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: MB 880-16867/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 16967 — **Prep Batch: 16867**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		01/17/22 07:30	01/17/22 10:53	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		01/17/22 07:30	01/17/22 10:53	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		01/17/22 07:30	01/17/22 10:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		01/17/22 07:30	01/17/22 10:53	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		01/17/22 07:30	01/17/22 10:53	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		01/17/22 07:30	01/17/22 10:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*01/17/22 07:30*	*01/17/22 10:53*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*01/17/22 07:30*	*01/17/22 10:53*	*1*

Lab Sample ID: LCS 880-16867/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 16967 — **Prep Batch: 16867**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09568		mg/Kg		96	70 - 130
Toluene	0.100	0.09826		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.1055		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	0.200	0.2080		mg/Kg		104	70 - 130
o-Xylene	0.100	0.1008		mg/Kg		101	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-16867/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 16967 — **Prep Batch: 16867**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08583		mg/Kg		86	70 - 130	11	35
Toluene	0.100	0.09537		mg/Kg		95	70 - 130	3	35
Ethylbenzene	0.100	0.09776		mg/Kg		98	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1819		mg/Kg		91	70 - 130	13	35

QC Sample Results

Client: Talon/LPE
Project/Site: 1022 LINE LEAK

Job ID: 890-1833-1
SDG: 700702.119.01

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

Lab Sample ID: LCSD 880-16867/2-A
Matrix: Solid
Analysis Batch: 16967

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 16867

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
o-Xylene			0.100	0.08903		mg/Kg		89	70 - 130	12	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: 890-1830-A-1-B MSD
Matrix: Solid
Analysis Batch: 16967

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 16867

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0994	0.1012		mg/Kg					
Toluene	<0.00200	U	0.0994	0.09193		mg/Kg					
Ethylbenzene	<0.00200	U	0.0994	0.09900		mg/Kg					
m-Xylene & p-Xylene	<0.00401	U	0.199	0.1853		mg/Kg					
o-Xylene	<0.00200	U	0.0994	0.08833		mg/Kg					

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 890-1831-A-1-A MS
Matrix: Solid
Analysis Batch: 16966

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

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: 890-1830-A-1-A MS
Matrix: Solid
Analysis Batch: 16967

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

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

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

Lab Sample ID: MB 880-16978/1-A
Matrix: Solid
Analysis Batch: 16964

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 16978

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	41.16	J	50.0	15.0	mg/Kg		01/17/22 09:12	01/17/22 11:45	1
Diesel Range Organics (Over C10-C28)	21.52	J	50.0	15.0	mg/Kg		01/17/22 09:12	01/17/22 11:45	1

QC Sample Results

Client: Talon/LPE
Project/Site: 1022 LINE LEAK

Job ID: 890-1833-1
SDG: 700702.119.01

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

Lab Sample ID: MB 880-16978/1-A
Matrix: Solid
Analysis Batch: 16964

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 16978

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		01/17/22 09:12	01/17/22 11:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*01/17/22 09:12*	*01/17/22 11:45*	*1*
o-Terphenyl	*77*		*70 - 130*	*01/17/22 09:12*	*01/17/22 11:45*	*1*

Lab Sample ID: LCS 880-16978/2-A
Matrix: Solid
Analysis Batch: 16964

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 16978

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1033		mg/Kg		103	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	878.7		mg/Kg		88	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*98*		*70 - 130*
o-Terphenyl	*92*		*70 - 130*

Lab Sample ID: LCSD 880-16978/3-A
Matrix: Solid
Analysis Batch: 16964

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 16978

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1022		mg/Kg		102	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	894.7		mg/Kg		89	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*91*		*70 - 130*
o-Terphenyl	*89*		*70 - 130*

Lab Sample ID: 890-1830-A-1-E MS
Matrix: Solid
Analysis Batch: 16964

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 16978

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1350	N1	mg/Kg		135	70 - 130		
Diesel Range Organics (Over C10-C28)	20.8	J b	999	1144		mg/Kg		112	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*67*	*X*	*70 - 130*
o-Terphenyl	*60*	*X*	*70 - 130*

QC Sample Results

Client: Talon/LPE
Project/Site: 1022 LINE LEAK

Job ID: 890-1833-1
SDG: 700702.119.01

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

Lab Sample ID: 890-1830-A-1-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 16964 — **Prep Batch: 16978**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	1508	N1	mg/Kg		151	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	20.8	J b	998	1308		mg/Kg		129	70 - 130	13	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*77*		*70 - 130*
o-Terphenyl	*68*	*X*	*70 - 130*

Lab Sample ID: MB 880-16979/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 16961 — **Prep Batch: 16979**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		01/17/22 09:16	01/17/22 11:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		01/17/22 09:16	01/17/22 11:45	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		01/17/22 09:16	01/17/22 11:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*01/17/22 09:16*	*01/17/22 11:45*	*1*
o-Terphenyl	*84*		*70 - 130*	*01/17/22 09:16*	*01/17/22 11:45*	*1*

Lab Sample ID: LCS 880-16979/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 16961 — **Prep Batch: 16979**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	843.6		mg/Kg		84	70 - 130
Diesel Range Organics (Over C10-C28)	1000	882.3		mg/Kg		88	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*103*		*70 - 130*
o-Terphenyl	*103*		*70 - 130*

Lab Sample ID: LCSD 880-16979/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 16961 — **Prep Batch: 16979**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	840.6		mg/Kg		84	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	846.2		mg/Kg		85	70 - 130	4	20

QC Sample Results

Client: Talon/LPE
Project/Site: 1022 LINE LEAK

Job ID: 890-1833-1
SDG: 700702.119.01

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

Lab Sample ID: LCSD 880-16979/3-A
Matrix: Solid
Analysis Batch: 16961

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 16979

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: 890-1831-A-1-E MS
Matrix: Solid
Analysis Batch: 16961

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 16979

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	32.9	J	999	1175		mg/Kg		114	70 - 130
Diesel Range Organics (Over C10-C28)	49.3	J	999	961.0		mg/Kg		91	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	78		70 - 130

Lab Sample ID: 890-1831-A-1-F MSD
Matrix: Solid
Analysis Batch: 16961

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 16979

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	32.9	J	998	1159		mg/Kg		113	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	49.3	J	998	949.4		mg/Kg		90	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	82		70 - 130
o-Terphenyl	76		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-17029/1-A
Matrix: Solid
Analysis Batch: 17060

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.858	mg/Kg			01/17/22 15:57	1

Lab Sample ID: LCS 880-17029/2-A
Matrix: Solid
Analysis Batch: 17060

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	249.8		mg/Kg		100	90 - 110

QC Sample Results

Client: Talon/LPE
Project/Site: 1022 LINE LEAK

Job ID: 890-1833-1
SDG: 700702.119.01

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-17029/3-A
Matrix: Solid
Analysis Batch: 17060

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	249.2		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 890-1833-5 MS
Matrix: Solid
Analysis Batch: 17060

Client Sample ID: S5A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	978		1240	2267		mg/Kg		104	90 - 110

Lab Sample ID: 890-1833-5 MSD
Matrix: Solid
Analysis Batch: 17060

Client Sample ID: S5A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	978		1240	2235		mg/Kg		101	90 - 110	1	20

QC Association Summary

Client: Talon/LPE
Project/Site: 1022 LINE LEAK

Job ID: 890-1833-1
SDG: 700702.119.01

GC VOA

Prep Batch: 16866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1833-1	S1A	Total/NA	Solid	5035	
890-1833-2	S2A	Total/NA	Solid	5035	
890-1833-3	S3A	Total/NA	Solid	5035	
890-1833-4	S4A	Total/NA	Solid	5035	
890-1833-5	S5A	Total/NA	Solid	5035	
890-1833-6	S6A	Total/NA	Solid	5035	
890-1833-7	S7A	Total/NA	Solid	5035	
890-1833-8	SW1	Total/NA	Solid	5035	
890-1833-9	SW2	Total/NA	Solid	5035	
890-1833-10	SW3	Total/NA	Solid	5035	
MB 880-16866/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-16866/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-16866/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1831-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 16867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1833-11	SW4	Total/NA	Solid	5035	
890-1833-12	SW5	Total/NA	Solid	5035	
890-1833-13	SW6	Total/NA	Solid	5035	
890-1833-14	SW7	Total/NA	Solid	5035	
MB 880-16867/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-16867/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-16867/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1830-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 16966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1833-1	S1A	Total/NA	Solid	8021B	16866
890-1833-2	S2A	Total/NA	Solid	8021B	16866
890-1833-3	S3A	Total/NA	Solid	8021B	16866
890-1833-4	S4A	Total/NA	Solid	8021B	16866
890-1833-5	S5A	Total/NA	Solid	8021B	16866
890-1833-6	S6A	Total/NA	Solid	8021B	16866
890-1833-7	S7A	Total/NA	Solid	8021B	16866
890-1833-8	SW1	Total/NA	Solid	8021B	16866
890-1833-9	SW2	Total/NA	Solid	8021B	16866
890-1833-10	SW3	Total/NA	Solid	8021B	16866
MB 880-16866/5-A	Method Blank	Total/NA	Solid	8021B	16866
LCS 880-16866/1-A	Lab Control Sample	Total/NA	Solid	8021B	16866
LCSD 880-16866/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	16866
890-1831-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	
890-1831-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	16866

Analysis Batch: 16967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1833-11	SW4	Total/NA	Solid	8021B	16867
890-1833-12	SW5	Total/NA	Solid	8021B	16867
890-1833-13	SW6	Total/NA	Solid	8021B	16867
890-1833-14	SW7	Total/NA	Solid	8021B	16867
MB 880-16867/5-A	Method Blank	Total/NA	Solid	8021B	16867

QC Association Summary

Client: Talon/LPE
Project/Site: 1022 LINE LEAK

Job ID: 890-1833-1
SDG: 700702.119.01

GC VOA (Continued)

Analysis Batch: 16967 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-16867/1-A	Lab Control Sample	Total/NA	Solid	8021B	16867
LCSD 880-16867/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	16867
890-1830-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	
890-1830-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	16867

Analysis Batch: 17056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1833-1	S1A	Total/NA	Solid	Total BTEX	
890-1833-2	S2A	Total/NA	Solid	Total BTEX	
890-1833-3	S3A	Total/NA	Solid	Total BTEX	
890-1833-4	S4A	Total/NA	Solid	Total BTEX	
890-1833-5	S5A	Total/NA	Solid	Total BTEX	
890-1833-6	S6A	Total/NA	Solid	Total BTEX	
890-1833-7	S7A	Total/NA	Solid	Total BTEX	
890-1833-8	SW1	Total/NA	Solid	Total BTEX	
890-1833-9	SW2	Total/NA	Solid	Total BTEX	
890-1833-10	SW3	Total/NA	Solid	Total BTEX	
890-1833-11	SW4	Total/NA	Solid	Total BTEX	
890-1833-12	SW5	Total/NA	Solid	Total BTEX	
890-1833-13	SW6	Total/NA	Solid	Total BTEX	
890-1833-14	SW7	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 16961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1833-1	S1A	Total/NA	Solid	8015B NM	16979
890-1833-2	S2A	Total/NA	Solid	8015B NM	16979
890-1833-3	S3A	Total/NA	Solid	8015B NM	16979
890-1833-4	S4A	Total/NA	Solid	8015B NM	16979
890-1833-5	S5A	Total/NA	Solid	8015B NM	16979
890-1833-6	S6A	Total/NA	Solid	8015B NM	16979
890-1833-7	S7A	Total/NA	Solid	8015B NM	16979
890-1833-8	SW1	Total/NA	Solid	8015B NM	16979
890-1833-9	SW2	Total/NA	Solid	8015B NM	16979
890-1833-10	SW3	Total/NA	Solid	8015B NM	16979
MB 880-16979/1-A	Method Blank	Total/NA	Solid	8015B NM	16979
LCS 880-16979/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	16979
LCSD 880-16979/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	16979
890-1831-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	16979
890-1831-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	16979

Analysis Batch: 16964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1833-11	SW4	Total/NA	Solid	8015B NM	16978
890-1833-12	SW5	Total/NA	Solid	8015B NM	16978
890-1833-13	SW6	Total/NA	Solid	8015B NM	16978
890-1833-14	SW7	Total/NA	Solid	8015B NM	16978
MB 880-16978/1-A	Method Blank	Total/NA	Solid	8015B NM	16978
LCS 880-16978/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	16978
LCSD 880-16978/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	16978

QC Association Summary

Client: Talon/LPE
Project/Site: 1022 LINE LEAK

Job ID: 890-1833-1
SDG: 700702.119.01

GC Semi VOA (Continued)

Analysis Batch: 16964 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1830-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	16978
890-1830-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	16978

Prep Batch: 16978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1833-11	SW4	Total/NA	Solid	8015NM Prep	
890-1833-12	SW5	Total/NA	Solid	8015NM Prep	
890-1833-13	SW6	Total/NA	Solid	8015NM Prep	
890-1833-14	SW7	Total/NA	Solid	8015NM Prep	
MB 880-16978/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-16978/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-16978/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1830-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1830-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 16979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1833-1	S1A	Total/NA	Solid	8015NM Prep	
890-1833-2	S2A	Total/NA	Solid	8015NM Prep	
890-1833-3	S3A	Total/NA	Solid	8015NM Prep	
890-1833-4	S4A	Total/NA	Solid	8015NM Prep	
890-1833-5	S5A	Total/NA	Solid	8015NM Prep	
890-1833-6	S6A	Total/NA	Solid	8015NM Prep	
890-1833-7	S7A	Total/NA	Solid	8015NM Prep	
890-1833-8	SW1	Total/NA	Solid	8015NM Prep	
890-1833-9	SW2	Total/NA	Solid	8015NM Prep	
890-1833-10	SW3	Total/NA	Solid	8015NM Prep	
MB 880-16979/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-16979/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-16979/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1831-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1831-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 17055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1833-1	S1A	Total/NA	Solid	8015 NM	
890-1833-2	S2A	Total/NA	Solid	8015 NM	
890-1833-3	S3A	Total/NA	Solid	8015 NM	
890-1833-4	S4A	Total/NA	Solid	8015 NM	
890-1833-5	S5A	Total/NA	Solid	8015 NM	
890-1833-6	S6A	Total/NA	Solid	8015 NM	
890-1833-7	S7A	Total/NA	Solid	8015 NM	
890-1833-8	SW1	Total/NA	Solid	8015 NM	
890-1833-9	SW2	Total/NA	Solid	8015 NM	
890-1833-10	SW3	Total/NA	Solid	8015 NM	
890-1833-11	SW4	Total/NA	Solid	8015 NM	
890-1833-12	SW5	Total/NA	Solid	8015 NM	
890-1833-13	SW6	Total/NA	Solid	8015 NM	
890-1833-14	SW7	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Talon/LPE
Project/Site: 1022 LINE LEAK

Job ID: 890-1833-1
SDG: 700702.119.01

HPLC/IC

Leach Batch: 17029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1833-1	S1A	Soluble	Solid	DI Leach	
890-1833-2	S2A	Soluble	Solid	DI Leach	
890-1833-3	S3A	Soluble	Solid	DI Leach	
890-1833-4	S4A	Soluble	Solid	DI Leach	
890-1833-5	S5A	Soluble	Solid	DI Leach	
890-1833-6	S6A	Soluble	Solid	DI Leach	
890-1833-7	S7A	Soluble	Solid	DI Leach	
890-1833-8	SW1	Soluble	Solid	DI Leach	
890-1833-9	SW2	Soluble	Solid	DI Leach	
890-1833-10	SW3	Soluble	Solid	DI Leach	
890-1833-11	SW4	Soluble	Solid	DI Leach	
890-1833-12	SW5	Soluble	Solid	DI Leach	
890-1833-13	SW6	Soluble	Solid	DI Leach	
890-1833-14	SW7	Soluble	Solid	DI Leach	
MB 880-17029/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-17029/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-17029/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1833-5 MS	S5A	Soluble	Solid	DI Leach	
890-1833-5 MSD	S5A	Soluble	Solid	DI Leach	

Analysis Batch: 17060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1833-1	S1A	Soluble	Solid	300.0	17029
890-1833-2	S2A	Soluble	Solid	300.0	17029
890-1833-3	S3A	Soluble	Solid	300.0	17029
890-1833-4	S4A	Soluble	Solid	300.0	17029
890-1833-5	S5A	Soluble	Solid	300.0	17029
890-1833-6	S6A	Soluble	Solid	300.0	17029
890-1833-7	S7A	Soluble	Solid	300.0	17029
890-1833-8	SW1	Soluble	Solid	300.0	17029
890-1833-9	SW2	Soluble	Solid	300.0	17029
890-1833-10	SW3	Soluble	Solid	300.0	17029
890-1833-11	SW4	Soluble	Solid	300.0	17029
890-1833-12	SW5	Soluble	Solid	300.0	17029
890-1833-13	SW6	Soluble	Solid	300.0	17029
890-1833-14	SW7	Soluble	Solid	300.0	17029
MB 880-17029/1-A	Method Blank	Soluble	Solid	300.0	17029
LCS 880-17029/2-A	Lab Control Sample	Soluble	Solid	300.0	17029
LCSD 880-17029/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	17029
890-1833-5 MS	S5A	Soluble	Solid	300.0	17029
890-1833-5 MSD	S5A	Soluble	Solid	300.0	17029

Lab Chronicle

Client: Talon/LPE
Project/Site: 1022 LINE LEAK

Job ID: 890-1833-1
SDG: 700702.119.01

Client Sample ID: S1A
Date Collected: 01/12/22 01:11
Date Received: 01/14/22 10:24

Lab Sample ID: 890-1833-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	16866	01/17/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16966	01/17/22 15:47	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			17056	01/17/22 15:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			17055	01/17/22 14:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	16979	01/17/22 09:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16961	01/17/22 17:20	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	17029	01/17/22 12:55	SC	XEN MID
Soluble	Analysis	300.0		1			17060	01/17/22 18:31	CH	XEN MID

Client Sample ID: S2A
Date Collected: 01/12/22 01:20
Date Received: 01/14/22 10:24

Lab Sample ID: 890-1833-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	16866	01/17/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16966	01/17/22 16:08	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			17056	01/17/22 15:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			17055	01/17/22 14:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	16979	01/17/22 09:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16961	01/17/22 17:41	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	17029	01/17/22 12:55	SC	XEN MID
Soluble	Analysis	300.0		1			17060	01/17/22 18:43	CH	XEN MID

Client Sample ID: S3A
Date Collected: 01/12/22 13:25
Date Received: 01/14/22 10:24

Lab Sample ID: 890-1833-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	16866	01/17/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16966	01/17/22 16:28	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			17056	01/17/22 15:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			17055	01/17/22 14:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	16979	01/17/22 09:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16961	01/17/22 18:02	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	17029	01/17/22 12:55	SC	XEN MID
Soluble	Analysis	300.0		1			17060	01/17/22 18:55	CH	XEN MID

Client Sample ID: S4A
Date Collected: 01/12/22 13:30
Date Received: 01/14/22 10:24

Lab Sample ID: 890-1833-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	16866	01/17/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16966	01/17/22 16:49	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			17056	01/17/22 15:00	AJ	XEN MID

Lab Chronicle

Client: Talon/LPE
Project/Site: 1022 LINE LEAK

Job ID: 890-1833-1
SDG: 700702.119.01

Client Sample ID: S4A

Lab Sample ID: 890-1833-4

Date Collected: 01/12/22 13:30

Matrix: Solid

Date Received: 01/14/22 10:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			17055	01/17/22 14:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	16979	01/17/22 09:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16961	01/17/22 18:23	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	17029	01/17/22 12:55	SC	XEN MID
Soluble	Analysis	300.0		5			17060	01/17/22 19:07	CH	XEN MID

Client Sample ID: S5A

Lab Sample ID: 890-1833-5

Date Collected: 01/12/22 13:35

Matrix: Solid

Date Received: 01/14/22 10:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	16866	01/17/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16966	01/17/22 17:09	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			17056	01/17/22 15:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			17055	01/17/22 14:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	16979	01/17/22 09:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16961	01/17/22 18:44	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	17029	01/17/22 12:55	SC	XEN MID
Soluble	Analysis	300.0		5			17060	01/17/22 19:18	CH	XEN MID

Client Sample ID: S6A

Lab Sample ID: 890-1833-6

Date Collected: 01/12/22 13:40

Matrix: Solid

Date Received: 01/14/22 10:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	16866	01/17/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16966	01/17/22 17:30	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			17056	01/17/22 15:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			17055	01/17/22 14:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	16979	01/17/22 09:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16961	01/17/22 19:05	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	17029	01/17/22 12:55	SC	XEN MID
Soluble	Analysis	300.0		1			17060	01/17/22 19:54	CH	XEN MID

Client Sample ID: S7A

Lab Sample ID: 890-1833-7

Date Collected: 01/12/22 13:45

Matrix: Solid

Date Received: 01/14/22 10:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	16866	01/17/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16966	01/17/22 17:50	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			17056	01/17/22 15:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			17055	01/17/22 14:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	16979	01/17/22 09:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16961	01/17/22 19:25	AJ	XEN MID

Lab Chronicle

Client: Talon/LPE
Project/Site: 1022 LINE LEAK

Job ID: 890-1833-1
SDG: 700702.119.01

Client Sample ID: S7A
Date Collected: 01/12/22 13:45
Date Received: 01/14/22 10:24

Lab Sample ID: 890-1833-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	17029	01/17/22 12:55	SC	XEN MID
Soluble	Analysis	300.0		5			17060	01/17/22 20:06	CH	XEN MID

Client Sample ID: SW1
Date Collected: 01/13/22 09:30
Date Received: 01/14/22 10:24

Lab Sample ID: 890-1833-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	16866	01/17/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16966	01/17/22 18:10	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			17056	01/17/22 15:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			17055	01/17/22 14:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	16979	01/17/22 09:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16961	01/17/22 19:46	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	17029	01/17/22 12:55	SC	XEN MID
Soluble	Analysis	300.0		5			17060	01/17/22 20:41	CH	XEN MID

Client Sample ID: SW2
Date Collected: 01/13/22 09:35
Date Received: 01/14/22 10:24

Lab Sample ID: 890-1833-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	16866	01/17/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16966	01/17/22 18:31	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			17056	01/17/22 15:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			17055	01/17/22 14:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	16979	01/17/22 09:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16961	01/17/22 20:08	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	17029	01/17/22 12:55	SC	XEN MID
Soluble	Analysis	300.0		5			17060	01/17/22 20:53	CH	XEN MID

Client Sample ID: SW3
Date Collected: 01/13/22 09:40
Date Received: 01/14/22 10:24

Lab Sample ID: 890-1833-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	16866	01/17/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16966	01/17/22 18:51	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			17056	01/17/22 15:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			17055	01/17/22 14:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	16979	01/17/22 09:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16961	01/17/22 20:29	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	17029	01/17/22 12:55	SC	XEN MID
Soluble	Analysis	300.0		5			17060	01/17/22 21:05	CH	XEN MID

Lab Chronicle

Client: Talon/LPE
Project/Site: 1022 LINE LEAK

Job ID: 890-1833-1
SDG: 700702.119.01

Client Sample ID: SW4

Lab Sample ID: 890-1833-11
Matrix: Solid
Date Collected: 01/13/22 09:45
Date Received: 01/14/22 10:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	16867	01/17/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16967	01/17/22 16:16	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			17056	01/17/22 15:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			17055	01/17/22 14:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	16978	01/17/22 09:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16964	01/17/22 17:25	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	17029	01/17/22 12:55	SC	XEN MID
Soluble	Analysis	300.0		1			17060	01/17/22 21:17	CH	XEN MID

Client Sample ID: SW5

Lab Sample ID: 890-1833-12
Matrix: Solid
Date Collected: 01/13/22 09:50
Date Received: 01/14/22 10:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	16867	01/17/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16967	01/17/22 16:36	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			17056	01/17/22 15:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			17055	01/17/22 14:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	16978	01/17/22 09:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16964	01/17/22 17:46	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	17029	01/17/22 12:55	SC	XEN MID
Soluble	Analysis	300.0		1			17060	01/17/22 21:29	CH	XEN MID

Client Sample ID: SW6

Lab Sample ID: 890-1833-13
Matrix: Solid
Date Collected: 01/13/22 09:55
Date Received: 01/14/22 10:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	16867	01/17/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16967	01/17/22 16:56	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			17056	01/17/22 15:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			17055	01/17/22 14:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	16978	01/17/22 09:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16964	01/17/22 18:07	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	17029	01/17/22 12:55	SC	XEN MID
Soluble	Analysis	300.0		1			17060	01/17/22 21:41	CH	XEN MID

Client Sample ID: SW7

Lab Sample ID: 890-1833-14
Matrix: Solid
Date Collected: 01/13/22 10:00
Date Received: 01/14/22 10:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	16867	01/17/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16967	01/17/22 17:17	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			17056	01/17/22 15:00	AJ	XEN MID

Lab Chronicle

Client: Talon/LPE
Project/Site: 1022 LINE LEAK

Job ID: 890-1833-1
SDG: 700702.119.01

Client Sample ID: SW7

Date Collected: 01/13/22 10:00
Date Received: 01/14/22 10:24

Lab Sample ID: 890-1833-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			17055	01/17/22 14:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	16978	01/17/22 09:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16964	01/17/22 18:28	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	17029	01/17/22 12:55	SC	XEN MID
Soluble	Analysis	300.0		1			17060	01/17/22 21:53	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: 1022 LINE LEAK

Job ID: 890-1833-1
SDG: 700702.119.01

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Talon/LPE
Project/Site: 1022 LINE LEAK

Job ID: 890-1833-1
SDG: 700702.119.01

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

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.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Talon/LPE
Project/Site: 1022 LINE LEAK

Job ID: 890-1833-1
SDG: 700702.119.01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-1833-1	S1A	Solid	01/12/22 01:11	01/14/22 10:24
890-1833-2	S2A	Solid	01/12/22 01:20	01/14/22 10:24
890-1833-3	S3A	Solid	01/12/22 13:25	01/14/22 10:24
890-1833-4	S4A	Solid	01/12/22 13:30	01/14/22 10:24
890-1833-5	S5A	Solid	01/12/22 13:35	01/14/22 10:24
890-1833-6	S6A	Solid	01/12/22 13:40	01/14/22 10:24
890-1833-7	S7A	Solid	01/12/22 13:45	01/14/22 10:24
890-1833-8	SW1	Solid	01/13/22 09:30	01/14/22 10:24
890-1833-9	SW2	Solid	01/13/22 09:35	01/14/22 10:24
890-1833-10	SW3	Solid	01/13/22 09:40	01/14/22 10:24
890-1833-11	SW4	Solid	01/13/22 09:45	01/14/22 10:24
890-1833-12	SW5	Solid	01/13/22 09:50	01/14/22 10:24
890-1833-13	SW6	Solid	01/13/22 09:55	01/14/22 10:24
890-1833-14	SW7	Solid	01/13/22 10:00	01/14/22 10:24

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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: ____

www.xenco.com Page 1 of 2

Project Manager:	R Davis.	Bill to: (if different)	
Company Name:	Talon LPE	Company Name:	
Address:	408 Texas	Address:	
City, State ZIP:	Artesia NM 88210	City, State ZIP:	
Phone:	(575) 746-8768	Email: RDavis@TalonLPE.com	

Work Order Comments

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

		Turn Around	
Project Name:	1022 Lone Creek	☐ Routine ☑ Rush	Pres. Code
Project Number:	700702.119.01		
Project Location:	EDDY.	Due Date: 2 Day	
Sampler's Name:	Art.	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT	Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No		Thermometer ID:	TNM 007
Cooler Custody Seals:	Yes No (N/A)		Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)		Temperature Reading:	6.0
Total Containers:			Corrected Temperature:	5.8

ANALYSIS REQUEST (Parameters): BTex, CL, TPH

890-1833 Chain of Custody

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	BTex	CL	TPH	Sample Comments
S.1A		1/12	1:15				↓	↓	↓	CC APacker@TalonLPE.com
S.2A		↓	1:20							
S-3A			1:25							
S.4A			1:30							
S-5A			1:35							
S-6A			1:40							
S-7A		↓	1:45							
SW.1		1/13/22	9:30							
SW.2		↓	9:35							
SW.3		↓	9:40				↓	↓	↓	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time		Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	[signature]	[signature]	1-14-22 1024	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: _____

www.xenco.com Page 2 of 2

Project Manager:	RDavis	Bill to: (if different)	
Company Name:	Talon LPE	Company Name:	
Address:	408 Texas	Address:	
City, State ZIP:	Artesia NM 88210	City, State ZIP:	
Phone:	(575) 746-8768 Email:	RDavis@TalonLPE.com	

Work Order Comments

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

Project Name:	1022 Line Leak	Turn Around		Pres. Code	
Project Number:	700702.119.01	☐ Routine	☒ Rush		
Project Location:	EDDY.	Due Date:	2 Day		
Sampler's Name:	A. Parker	TAT starts the day received by the lab, if received by 4:30pm			
PO #:					

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	TNM007	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	6.0	
Total Containers:		Corrected Temperature:	5.8	

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	Parameters: BTEX	Cl	TPH	Sample Comments
SW-4		1/13/22	9:45							CC: AParker@TalonLPE.com
SW-5			9:50							
SW-6			9:55							
SW-7			10:00							

ANALYSIS REQUEST

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		1-14-22 1024	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-1833-1
SDG Number: 700702.119.01

Login Number: 1833
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-1833-1
SDG Number: 700702.119.01

Login Number: 1833
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 01/17/22 09:43 AM

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	

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ANALYTICAL REPORT

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-1883-1
Laboratory Sample Delivery Group: 700702.119.01
Client Project/Site: 1022 Line Leak (DCP Misdtream)
Revision: 1

For:
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

Attn: Rebecca Pons

Jkramer

Authorized for release by:
2/4/2022 2:40:15 PM

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

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

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

Client: Talon/LPE
Project/Site: 1022 Line Leak (DCP Misdtream)

Laboratory Job ID: 890-1883-1
SDG: 700702.119.01

Table of Contents

Definitions/Glossary

Client: Talon/LPE
Project/Site: 1022 Line Leak (DCP Misdtream)

Job ID: 890-1883-1
SDG: 700702.119.01

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Talon/LPE
Project/Site: 1022 Line Leak (DCP Misdtream)

Job ID: 890-1883-1
SDG: 700702.119.01

Job ID: 890-1883-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-1883-1

REVISION

The report being provided is a revision of the original report sent on 2/2/2022. The report (revision 1) is being revised due to Formatter reported incorrectly, needing down to the MDL.

Report revision history

Receipt
The sample was received on 1/28/2022 11:36 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 8.6°C

Receipt Exceptions
The following sample was received at the laboratory outside the required temperature criteria: SURFACE (890-1883-1). The sample(s) is considered acceptable since it was collected and submitted to the laboratory on the same day and there is evidence that the chilling process has begun.

GC VOA
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 method blank for preparation batch 880-18143 and analytical batch 880-18225 contained Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (890-1883-A-1-C MS) and (890-1883-A-1-D MSD). Evidence of matrix interferences is not obvious.

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike duplicate (MSD) recoveries for preparation batch 880-18269 and analytical batch 880-18297 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Client Sample Results

Client: Talon/LPE
Project/Site: 1022 Line Leak (DCP Misdtream)

Job ID: 890-1883-1
SDG: 700702.119.01

Client Sample ID: SURFACE

Date Collected: 01/27/22 00:00
Date Received: 01/28/22 11:36

Lab Sample ID: 890-1883-1

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000388	U	0.00202	0.000388	mg/Kg		01/31/22 07:24	01/31/22 11:25	1
Toluene	<0.000460	U	0.00202	0.000460	mg/Kg		01/31/22 07:24	01/31/22 11:25	1
Ethylbenzene	<0.000570	U	0.00202	0.000570	mg/Kg		01/31/22 07:24	01/31/22 11:25	1
m-Xylene & p-Xylene	<0.00102	U	0.00403	0.00102	mg/Kg		01/31/22 07:24	01/31/22 11:25	1
o-Xylene	<0.000347	U	0.00202	0.000347	mg/Kg		01/31/22 07:24	01/31/22 11:25	1
Xylenes, Total	<0.00102	U	0.00403	0.00102	mg/Kg		01/31/22 07:24	01/31/22 11:25	1
Methyl tert-butyl ether	<0.00164	U	0.0101	0.00164	mg/Kg		01/31/22 07:24	01/31/22 11:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*01/31/22 07:24*	*01/31/22 11:25*	*1*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*01/31/22 07:24*	*01/31/22 11:25*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00400	0.00101	mg/Kg			02/02/22 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**43.5**	**J**	50.0	15.0	mg/Kg			02/02/22 16:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**23.4**	**J B**	49.9	15.0	mg/Kg		01/31/22 11:10	02/01/22 10:28	1
Diesel Range Organics (Over C10-C28)	**20.1**	**J B**	49.9	15.0	mg/Kg		01/31/22 11:10	02/01/22 10:28	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		01/31/22 11:10	02/01/22 10:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*01/31/22 11:10*	*02/01/22 10:28*	*1*
o-Terphenyl	*99*		*70 - 130*	*01/31/22 11:10*	*02/01/22 10:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**314**		4.97	0.853	mg/Kg			02/01/22 16:40	1

Surrogate Summary

Client: Talon/LPE
Project/Site: 1022 Line Leak (DCP Misdtream)

Job ID: 890-1883-1
SDG: 700702.119.01

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DFBZ1 (70-130)	BFB1 (70-130)
880-10720-A-1-E MS	Matrix Spike	103	102
880-10720-A-1-F MSD	Matrix Spike Duplicate	97	96
890-1883-1	SURFACE	94	104
LCS 880-18098/1-A	Lab Control Sample	101	102
LCSD 880-18098/2-A	Lab Control Sample Dup	99	98
MB 880-18098/5-A	Method Blank	95	98

Surrogate Legend

DFBZ = 1,4-Difluorobenzene (Surr)
BFB = 4-Bromofluorobenzene (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)
890-1883-1	SURFACE	86	99
890-1883-1 MS	SURFACE	69 S1-	69 S1-
890-1883-1 MSD	SURFACE	69 S1-	70
LCS 880-18143/2-A	Lab Control Sample	90	96
LCSD 880-18143/3-A	Lab Control Sample Dup	89	93
MB 880-18143/1-A	Method Blank	82	97

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Talon/LPE
Project/Site: 1022 Line Leak (DCP Misdtream)

Job ID: 890-1883-1
SDG: 700702.119.01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-18098/5-A
Matrix: Solid
Analysis Batch: 18100

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 18098

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		01/31/22 07:24	01/31/22 10:43	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		01/31/22 07:24	01/31/22 10:43	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		01/31/22 07:24	01/31/22 10:43	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		01/31/22 07:24	01/31/22 10:43	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		01/31/22 07:24	01/31/22 10:43	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		01/31/22 07:24	01/31/22 10:43	1
Methyl tert-butyl ether	<0.00163	U	0.0100	0.00163	mg/Kg		01/31/22 07:24	01/31/22 10:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*01/31/22 07:24*	*01/31/22 10:43*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*01/31/22 07:24*	*01/31/22 10:43*	*1*

Lab Sample ID: LCS 880-18098/1-A
Matrix: Solid
Analysis Batch: 18100

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 18098

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.07904		mg/Kg		79	70 - 130
Toluene	0.100	0.07722		mg/Kg		77	70 - 130
Ethylbenzene	0.100	0.07702		mg/Kg		77	70 - 130
m-Xylene & p-Xylene	0.200	0.1584		mg/Kg		79	70 - 130
o-Xylene	0.100	0.07663		mg/Kg		77	70 - 130
Methyl tert-butyl ether	0.500	0.4434		mg/Kg		89	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-18098/2-A
Matrix: Solid
Analysis Batch: 18100

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 18098

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08134		mg/Kg		81	70 - 130	3	35
Toluene	0.100	0.07230		mg/Kg		72	70 - 130	7	35
Ethylbenzene	0.100	0.07478		mg/Kg		75	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1517		mg/Kg		76	70 - 130	4	35
o-Xylene	0.100	0.07439		mg/Kg		74	70 - 130	3	35
Methyl tert-butyl ether	0.500	0.4318		mg/Kg		86	70 - 130	3	35

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

QC Sample Results

Client: Talon/LPE
Project/Site: 1022 Line Leak (DCP Misdtream)

Job ID: 890-1883-1
SDG: 700702.119.01

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

Lab Sample ID: 880-10720-A-1-E MS
Matrix: Solid
Analysis Batch: 18100

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 18098

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.000384	U	0.100	0.08526		mg/Kg		85	70 - 130
Toluene	<0.000455	U	0.100	0.08078		mg/Kg		81	70 - 130
Ethylbenzene	<0.000564	U	0.100	0.08135		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	<0.00101	U	0.200	0.1659		mg/Kg		83	70 - 130
o-Xylene	<0.000343	U	0.100	0.08128		mg/Kg		81	70 - 130
Methyl tert-butyl ether	<0.00163	U	0.501	0.5063		mg/Kg		101	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-10720-A-1-F MSD
Matrix: Solid
Analysis Batch: 18100

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 18098

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.000384	U	0.0996	0.08653		mg/Kg		87	70 - 130	1	35
Toluene	<0.000455	U	0.0996	0.08058		mg/Kg		81	70 - 130	0	35
Ethylbenzene	<0.000564	U	0.0996	0.07884		mg/Kg		79	70 - 130	3	35
m-Xylene & p-Xylene	<0.00101	U	0.199	0.1589		mg/Kg		80	70 - 130	4	35
o-Xylene	<0.000343	U	0.0996	0.07941		mg/Kg		80	70 - 130	2	35
Methyl tert-butyl ether	<0.00163	U	0.498	0.4987		mg/Kg		100	70 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*

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

Lab Sample ID: MB 880-18143/1-A
Matrix: Solid
Analysis Batch: 18225

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 18143

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	18.70	J	50.0	15.0	mg/Kg		01/31/22 11:10	02/01/22 09:23	1
Diesel Range Organics (Over C10-C28)	20.36	J	50.0	15.0	mg/Kg		01/31/22 11:10	02/01/22 09:23	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		01/31/22 11:10	02/01/22 09:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*01/31/22 11:10*	*02/01/22 09:23*	*1*
o-Terphenyl	*97*		*70 - 130*	*01/31/22 11:10*	*02/01/22 09:23*	*1*

QC Sample Results

Client: Talon/LPE
Project/Site: 1022 Line Leak (DCP Misdtream)

Job ID: 890-1883-1
SDG: 700702.119.01

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

Lab Sample ID: LCS 880-18143/2-A
Matrix: Solid
Analysis Batch: 18225

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 18143

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	846.8		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1190		mg/Kg		119	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*90*		*70 - 130*
o-Terphenyl	*96*		*70 - 130*

Lab Sample ID: LCSD 880-18143/3-A
Matrix: Solid
Analysis Batch: 18225

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 18143

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	926.5		mg/Kg		93	70 - 130	9	20
Diesel Range Organics (Over C10-C28)			1000	1204		mg/Kg		120	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*89*		*70 - 130*
o-Terphenyl	*93*		*70 - 130*

Lab Sample ID: 890-1883-1 MS
Matrix: Solid
Analysis Batch: 18225

Client Sample ID: SURFACE
Prep Type: Total/NA
Prep Batch: 18143

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	23.4	J B	999	851.8		mg/Kg		83	70 - 130		
Diesel Range Organics (Over C10-C28)	20.1	J B	999	970.6		mg/Kg		95	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*69*	*S1-*	*70 - 130*
o-Terphenyl	*69*	*S1-*	*70 - 130*

Lab Sample ID: 890-1883-1 MSD
Matrix: Solid
Analysis Batch: 18225

Client Sample ID: SURFACE
Prep Type: Total/NA
Prep Batch: 18143

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	23.4	J B	999	967.9		mg/Kg		95	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	20.1	J B	999	999.6		mg/Kg		98	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*69*	*S1-*	*70 - 130*

QC Sample Results

Client: Talon/LPE
Project/Site: 1022 Line Leak (DCP Misdtream)

Job ID: 890-1883-1
SDG: 700702.119.01

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

Lab Sample ID: 890-1883-1 MSD
Matrix: Solid
Analysis Batch: 18225

Client Sample ID: SURFACE
Prep Type: Total/NA
Prep Batch: 18143

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*70*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-18269/1-A
Matrix: Solid
Analysis Batch: 18297

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.858	U	5.00	0.858	mg/Kg			02/01/22 15:09	1

Lab Sample ID: LCS 880-18269/2-A
Matrix: Solid
Analysis Batch: 18297

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	272.3		mg/Kg		109	90 - 110		

Lab Sample ID: LCSD 880-18269/3-A
Matrix: Solid
Analysis Batch: 18297

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	271.6		mg/Kg		109	90 - 110	0	20

Lab Sample ID: 890-1883-1 MS
Matrix: Solid
Analysis Batch: 18297

Client Sample ID: SURFACE
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	57.4		248	321.4		mg/Kg					

Lab Sample ID: 890-1883-1 MSD
Matrix: Solid
Analysis Batch: 18297

Client Sample ID: SURFACE
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	57.4		248	317.0		mg/Kg				1	20

QC Association Summary

Client: Talon/LPE
Project/Site: 1022 Line Leak (DCP Misdtream)

Job ID: 890-1883-1
SDG: 700702.119.01

GC VOA

Prep Batch: 18098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1883-1	SURFACE	Total/NA	Solid	5035	
MB 880-18098/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-18098/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-18098/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-10720-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-10720-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 18100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1883-1	SURFACE	Total/NA	Solid	8021B	18098
MB 880-18098/5-A	Method Blank	Total/NA	Solid	8021B	18098
LCS 880-18098/1-A	Lab Control Sample	Total/NA	Solid	8021B	18098
LCSD 880-18098/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	18098
880-10720-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	18098
880-10720-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	18098

Analysis Batch: 18419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1883-1	SURFACE	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 18143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1883-1	SURFACE	Total/NA	Solid	8015NM Prep	
MB 880-18143/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-18143/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-18143/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1883-1 MS	SURFACE	Total/NA	Solid	8015NM Prep	
890-1883-1 MSD	SURFACE	Total/NA	Solid	8015NM Prep	

Analysis Batch: 18225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1883-1	SURFACE	Total/NA	Solid	8015B NM	18143
MB 880-18143/1-A	Method Blank	Total/NA	Solid	8015B NM	18143
LCS 880-18143/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	18143
LCSD 880-18143/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	18143
890-1883-1 MS	SURFACE	Total/NA	Solid	8015B NM	18143
890-1883-1 MSD	SURFACE	Total/NA	Solid	8015B NM	18143

Analysis Batch: 18413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1883-1	SURFACE	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 18269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1883-1	SURFACE	Soluble	Solid	DI Leach	
MB 880-18269/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-18269/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-18269/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: Talon/LPE
Project/Site: 1022 Line Leak (DCP Misdtream)

Job ID: 890-1883-1
SDG: 700702.119.01

HPLC/IC (Continued)

Leach Batch: 18269 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1883-1 MS	SURFACE	Soluble	Solid	DI Leach	
890-1883-1 MSD	SURFACE	Soluble	Solid	DI Leach	

Analysis Batch: 18297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1883-1	SURFACE	Soluble	Solid	300.0	18269
MB 880-18269/1-A	Method Blank	Soluble	Solid	300.0	18269
LCS 880-18269/2-A	Lab Control Sample	Soluble	Solid	300.0	18269
LCSD 880-18269/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	18269
890-1883-1 MS	SURFACE	Soluble	Solid	300.0	18269
890-1883-1 MSD	SURFACE	Soluble	Solid	300.0	18269

Lab Chronicle

Client: Talon/LPE
Project/Site: 1022 Line Leak (DCP Misdtream)

Job ID: 890-1883-1
SDG: 700702.119.01

Client Sample ID: SURFACE
Date Collected: 01/27/22 00:00
Date Received: 01/28/22 11:36

Lab Sample ID: 890-1883-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	18098	01/31/22 07:24	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18100	01/31/22 11:25	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18419	02/02/22 16:52	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18413	02/02/22 16:07	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18143	01/31/22 11:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18225	02/01/22 10:28	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	18269	02/01/22 12:06	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	18297	02/01/22 16:40	SC	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: 1022 Line Leak (DCP Misdtream)

Job ID: 890-1883-1
SDG: 700702.119.01

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Talon/LPE
Project/Site: 1022 Line Leak (DCP Misdtream)

Job ID: 890-1883-1
SDG: 700702.119.01

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

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.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Talon/LPE
Project/Site: 1022 Line Leak (DCP Misdtream)

Job ID: 890-1883-1
SDG: 700702.119.01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-1883-1	SURFACE	Solid	01/27/22 00:00	01/28/22 11:36

eurofins | Environment Testing Xenco

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: _____

www.xenco.com Page 1 of 1

Cooling in progress

Project Manager:	R Dows	Bill to: (if different)	
Company Name:	TMDW LDC	Company Name:	
Address:	408 WTC/N	Address:	
City, State ZIP:	Artesia, NM. 88210	City, State ZIP:	
Phone:	(575) 746-8768	Email:	

Work Order Comments

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

Project Name:	1022 [redacted] Lubbock DLP	Turn Around	
Project Number:	700702.119.01	☐ Routine ☒ Rush	
Project Location:	EDDY	Due Date:	3 Day
Sampler's Name:	Alex James	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	T-NM-007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	8.8
Total Containers:		Corrected Temperature:	8.6

ANALYSIS REQUEST

Pres. Code / Parameters: CL, TPH, BTEX

890-1883 Chain of Custody

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	Sample Comments
Surface	S	11/27		[redacted]	1	1	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		11/28/22 11:36	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev 2020.2

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-1883-1
SDG Number: 700702.119.01

Login Number: 1883
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-1883-1
SDG Number: 700702.119.01

Login Number: 1883
List Number: 2
Creator: Kramer, Jessica

List Source: Eurofins Midland
List Creation: 01/31/22 08:21 AM

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

CARDINAL Laboratories

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

February 21, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: 1022 LINE LEAK

Enclosed are the results of analyses for samples received by the laboratory on 02/17/22 16:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
REBECCA PONS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	02/17/2022	Sampling Date:	01/17/2022
Reported:	02/21/2022	Sampling Type:	Soil
Project Name:	1022 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: BG - 6 (H220630-01)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**9800**	16.0	02/19/2022	ND	416	104	400	3.77	I-02

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

I-02	This result was analyzed outside of the EPA recommended holding time.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon LPE		**BILL TO**
Project Manager:		P.O. #:
Address: 408 W. Texas Ave		Company:
City: Artesia	State: NM Zip: 88210	Attn:
Phone #: 575.746.8768	Fax #:	Address:
Project #:	Project Owner:	City:
Project Name: 1022 Line Leak		State: Zip:
Project Location: EDDY		Phone #:
Sampler Name: D. Parra		Fax #:

ANALYSIS REQUEST

Lab I.D. (FOR LAB USE ONLY)	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	CL
H220630 1	BG.6		1										1/17 1:30	1:30 1:3	1

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: [signature]	Date: 2-17-22 Time: 1610	Received By: Tamara Oldaker	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 5.9°c C-0.5°c 5.4°c #113	Sample Condition Cool Intact ☑ Yes ☑ Yes ☐ No ☐ No	CHECKED BY: (Initials) TO	REMARKS: Rslt RPaws @TalonLPE.com Rush Added 2/18/22 @1200 TO 2/18/22

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

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ANALYTICAL REPORT

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-1884-1
Laboratory Sample Delivery Group: Eddy
Client Project/Site: 1022 Line Leak (DCP Misdtream)
Revision: 1

For:
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

Attn: Rebecca Pons

Jkramer

Authorized for release by:
2/4/2022 2:42:33 PM

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

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

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

Client: Talon/LPE
Project/Site: 1022 Line Leak (DCP Misdtream)

Laboratory Job ID: 890-1884-1
SDG: Eddy

Table of Contents

Definitions/Glossary

Client: Talon/LPE
Project/Site: 1022 Line Leak (DCP Misdtream)

Job ID: 890-1884-1
SDG: Eddy

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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: Talon/LPE
Project/Site: 1022 Line Leak (DCP Misdtream)

Job ID: 890-1884-1
SDG: Eddy

Job ID: 890-1884-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-1884-1

REVISION

The report being provided is a revision of the original report sent on 2/2/2022. The report (revision 1) is being revised due to Formatter reported incorrectly, needing down to the MDL.

Report revision history

Receipt
The samples were received on 1/28/2022 11:35 AM. 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 18.2°C

Receipt Exceptions
The following samples were collected in an improper container: UP STREAM (890-1884-1), DOWN STREAM (890-1884-2) and POND (890-1884-3). TPH and BTEX for water need to be preserved in 40ml HCl VOAs

The following samples were received at the laboratory outside the required temperature criteria: UP STREAM (890-1884-1), DOWN STREAM (890-1884-2) and POND (890-1884-3). The sample(s) is considered acceptable since it was collected and submitted to the laboratory on the same day and there is evidence that the chilling process has begun.

GC VOA
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 RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-18192 and analytical batch 880-18228 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

Method 8015MOD_NM: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 880-18192 and analytical batch 880-18228 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-18192/2-A) and (890-1884-A-1-B MS). Evidence of matrix interferences is not obvious.

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: Talon/LPE
Project/Site: 1022 Line Leak (DCP Misdtream)

Job ID: 890-1884-1
SDG: Eddy

Client Sample ID: UP STREAM

Lab Sample ID: 890-1884-1
Matrix: Water
Date Collected: 01/28/22 10:05
Date Received: 01/28/22 11:35
Sample Depth: 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			02/01/22 19:01	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			02/01/22 19:01	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			02/01/22 19:01	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			02/01/22 19:01	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			02/01/22 19:01	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			02/01/22 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*		*02/01/22 19:01*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*		*02/01/22 19:01*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			02/02/22 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.988	U	5.00	0.988	mg/L			02/02/22 16:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.950	U	4.81	0.950	mg/L		01/31/22 15:31	02/01/22 20:25	1
Diesel Range Organics (Over C10-C28)	<0.950	U F2 *1	4.81	0.950	mg/L		01/31/22 15:31	02/01/22 20:25	1
Oil Range Organics (Over C28-C36)	<0.917	U	4.81	0.917	mg/L		01/31/22 15:31	02/01/22 20:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*01/31/22 15:31*	*02/01/22 20:25*	*1*
o-Terphenyl	*106*		*70 - 130*	*01/31/22 15:31*	*02/01/22 20:25*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1360**		10.0	0.421	mg/L			02/01/22 23:37	20

Client Sample ID: DOWN STREAM

Lab Sample ID: 890-1884-2
Matrix: Water
Date Collected: 01/28/22 10:15
Date Received: 01/28/22 11:35
Sample Depth: 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			02/01/22 20:53	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			02/01/22 20:53	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			02/01/22 20:53	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			02/01/22 20:53	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			02/01/22 20:53	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			02/01/22 20:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*02/01/22 20:53*	*1*

Eurofins Carlsbad

Client Sample Results

Client: Talon/LPE
Project/Site: 1022 Line Leak (DCP Misdtream)

Job ID: 890-1884-1
SDG: Eddy

Client Sample ID: DOWN STREAM

Date Collected: 01/28/22 10:15
Date Received: 01/28/22 11:35
Sample Depth: 5

Lab Sample ID: 890-1884-2
Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*		*02/01/22 20:53*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			02/02/22 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.988	U	5.00	0.988	mg/L			02/02/22 16:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.935	U	4.73	0.935	mg/L		01/31/22 15:31	02/01/22 21:28	1
Diesel Range Organics (Over C10-C28)	<0.935	U *1	4.73	0.935	mg/L		01/31/22 15:31	02/01/22 21:28	1
Oil Range Organics (Over C28-C36)	<0.902	U	4.73	0.902	mg/L		01/31/22 15:31	02/01/22 21:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*01/31/22 15:31*	*02/01/22 21:28*	*1*
o-Terphenyl	*102*		*70 - 130*	*01/31/22 15:31*	*02/01/22 21:28*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1350**		25.0	1.05	mg/L			02/01/22 23:50	50

Client Sample ID: POND

Date Collected: 01/28/22 10:10
Date Received: 01/28/22 11:35
Sample Depth: 5

Lab Sample ID: 890-1884-3
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			02/01/22 21:21	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			02/01/22 21:21	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			02/01/22 21:21	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			02/01/22 21:21	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			02/01/22 21:21	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			02/01/22 21:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*		*02/01/22 21:21*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*		*02/01/22 21:21*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			02/02/22 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.988	U	5.00	0.988	mg/L			02/02/22 16:07	1

Client Sample Results

Client: Talon/LPE
Project/Site: 1022 Line Leak (DCP Misdtream)

Job ID: 890-1884-1
SDG: Eddy

Client Sample ID: POND

Date Collected: 01/28/22 10:10
Date Received: 01/28/22 11:35
Sample Depth: 5

Lab Sample ID: 890-1884-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.941	U	4.76	0.941	mg/L		01/31/22 15:31	02/01/22 21:49	1
Diesel Range Organics (Over C10-C28)	<0.941	U *1	4.76	0.941	mg/L		01/31/22 15:31	02/01/22 21:49	1
Oil Range Organics (Over C28-C36)	<0.908	U	4.76	0.908	mg/L		01/31/22 15:31	02/01/22 21:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*01/31/22 15:31*	*02/01/22 21:49*	*1*
o-Terphenyl	*109*		*70 - 130*	*01/31/22 15:31*	*02/01/22 21:49*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2230**		25.0	1.05	mg/L			02/02/22 00:04	50

Surrogate Summary

Client: Talon/LPE
Project/Site: 1022 Line Leak (DCP Misdtream)

Job ID: 890-1884-1
SDG: Eddy

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
820-3232-A-1 MS	Matrix Spike	90	103
820-3232-A-1 MSD	Matrix Spike Duplicate	94	95
890-1884-1	UP STREAM	116	112
890-1884-2	DOWN STREAM	108	84
890-1884-3	POND	110	101
LCS 880-18231/3	Lab Control Sample	96	8 S1-
LCSD 880-18231/4	Lab Control Sample Dup	98	102
MB 880-18231/8	Method Blank	62 S1-	90

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-1884-1	UP STREAM	107	106
890-1884-1 MS	UP STREAM	67 S1-	63 S1-
890-1884-1 MSD	UP STREAM	86	87
890-1884-2	DOWN STREAM	100	102
890-1884-3	POND	111	109

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO2	OTPH2
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
LCS 880-18192/2-A	Lab Control Sample	73	67 S1-
LCSD 880-18192/3-A	Lab Control Sample Dup	90	97
MB 880-18192/1-A	Method Blank	99	95

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Talon/LPE
Project/Site: 1022 Line Leak (DCP Misdtream)

Job ID: 890-1884-1
SDG: Eddy

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-18231/8
Matrix: Water
Analysis Batch: 18231

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			02/01/22 13:28	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			02/01/22 13:28	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			02/01/22 13:28	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			02/01/22 13:28	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			02/01/22 13:28	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			02/01/22 13:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*62*	*S1-*	*70 - 130*		*02/01/22 13:28*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*		*02/01/22 13:28*	*1*

Lab Sample ID: LCS 880-18231/3
Matrix: Water
Analysis Batch: 18231

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.07820		mg/L		78	70 - 130		
Toluene			0.100	0.08754		mg/L		88	70 - 130		
Ethylbenzene			0.100	0.09246		mg/L		92	70 - 130		
m-Xylene & p-Xylene			0.200	0.1800		mg/L		90	70 - 130		
o-Xylene			0.100	0.09196		mg/L		92	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*8*	*S1-*	*70 - 130*

Lab Sample ID: LCSD 880-18231/4
Matrix: Water
Analysis Batch: 18231

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.08105		mg/L		81	70 - 130	4	20
Toluene			0.100	0.08416		mg/L		84	70 - 130	4	20
Ethylbenzene			0.100	0.08983		mg/L		90	70 - 130	3	20
m-Xylene & p-Xylene			0.200	0.1754		mg/L		88	70 - 130	3	20
o-Xylene			0.100	0.09021		mg/L		90	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 820-3232-A-1 MS
Matrix: Water
Analysis Batch: 18231

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	0.000683	J	0.100	0.08739		mg/L		87	70 - 130		
Toluene	<0.000367	U	0.100	0.08144		mg/L		81	70 - 130		

QC Sample Results

Client: Talon/LPE
Project/Site: 1022 Line Leak (DCP Misdtream)

Job ID: 890-1884-1
SDG: Eddy

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

Lab Sample ID: 820-3232-A-1 MS
Matrix: Water
Analysis Batch: 18231

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.000657	U	0.100	0.08342		mg/L		83	70 - 130
m-Xylene & p-Xylene	<0.000629	U	0.200	0.1614		mg/L		81	70 - 130
o-Xylene	<0.000642	U	0.100	0.08453		mg/L		85	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 820-3232-A-1 MSD
Matrix: Water
Analysis Batch: 18231

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.000683	J	0.100	0.08621		mg/L		86	70 - 130	1	25
Toluene	<0.000367	U	0.100	0.07530		mg/L		75	70 - 130	8	25
Ethylbenzene	<0.000657	U	0.100	0.08020		mg/L		80	70 - 130	4	25
m-Xylene & p-Xylene	<0.000629	U	0.200	0.1568		mg/L		78	70 - 130	3	25
o-Xylene	<0.000642	U	0.100	0.08288		mg/L		83	70 - 130	2	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

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

Lab Sample ID: MB 880-18192/1-A
Matrix: Water
Analysis Batch: 18228

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 18192

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.904	U	4.57	0.904	mg/L		01/31/22 15:31	02/01/22 19:22	1
Diesel Range Organics (Over C10-C28)	<0.904	U	4.57	0.904	mg/L		01/31/22 15:31	02/01/22 19:22	1
Oil Range Organics (Over C28-C36)	<0.872	U	4.57	0.872	mg/L		01/31/22 15:31	02/01/22 19:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*01/31/22 15:31*	*02/01/22 19:22*	*1*
o-Terphenyl	*95*		*70 - 130*	*01/31/22 15:31*	*02/01/22 19:22*	*1*

Lab Sample ID: LCS 880-18192/2-A
Matrix: Water
Analysis Batch: 18228

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 18192

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	91.7	93.57		mg/L		102	75 - 125
Diesel Range Organics (Over C10-C28)	91.7	82.85		mg/L		90	75 - 125

QC Sample Results

Client: Talon/LPE
Project/Site: 1022 Line Leak (DCP Misdtream)

Job ID: 890-1884-1
SDG: Eddy

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

Lab Sample ID: LCS 880-18192/2-A
Matrix: Water
Analysis Batch: 18228

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 18192

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	73		70 - 130
o-Terphenyl	67	S1-	70 - 130

Lab Sample ID: LCSD 880-18192/3-A
Matrix: Water
Analysis Batch: 18228

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 18192

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			92.0	85.76		mg/L		93	75 - 125	9	20
Diesel Range Organics (Over C10-C28)			92.0	103.3	*1	mg/L		112	75 - 125	22	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: 890-1884-1 MS
Matrix: Water
Analysis Batch: 18228

Client Sample ID: UP STREAM
Prep Type: Total/NA
Prep Batch: 18192

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<0.950	U	94.0	83.22		mg/L		88	75 - 125
Diesel Range Organics (Over C10-C28)	<0.950	U F2 *1	94.0	72.35		mg/L		77	75 - 125

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	67	S1-	70 - 130
o-Terphenyl	63	S1-	70 - 130

Lab Sample ID: 890-1884-1 MSD
Matrix: Water
Analysis Batch: 18228

Client Sample ID: UP STREAM
Prep Type: Total/NA
Prep Batch: 18192

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<0.950	U	94.3	100.6		mg/L		107	75 - 125	19	20
Diesel Range Organics (Over C10-C28)	<0.950	U F2 *1	94.3	92.24	F2	mg/L		98	75 - 125	24	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	87		70 - 130

QC Sample Results

Client: Talon/LPE
Project/Site: 1022 Line Leak (DCP Misdtream)

Job ID: 890-1884-1
SDG: Eddy

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-18301/3
Matrix: Water
Analysis Batch: 18301

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.0210	U	0.500	0.0210	mg/L			02/01/22 20:57	1

Lab Sample ID: LCS 880-18301/4
Matrix: Water
Analysis Batch: 18301

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			25.0	26.91		mg/L		108	90 - 110		

Lab Sample ID: LCSD 880-18301/5
Matrix: Water
Analysis Batch: 18301

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			25.0	26.90		mg/L		108	90 - 110	0	20

Lab Sample ID: 880-10749-A-1 MS
Matrix: Water
Analysis Batch: 18301

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	13.2	F1	25.0	42.28	F1	mg/L		116	90 - 110		

Lab Sample ID: 880-10749-A-1 MSD
Matrix: Water
Analysis Batch: 18301

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	13.2	F1	25.0	42.21	F1	mg/L		116	90 - 110	0	20

QC Association Summary

Client: Talon/LPE
Project/Site: 1022 Line Leak (DCP Misdtream)

Job ID: 890-1884-1
SDG: Eddy

GC VOA

Analysis Batch: 18231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1884-1	UP STREAM	Total/NA	Water	8021B	
890-1884-2	DOWN STREAM	Total/NA	Water	8021B	
890-1884-3	POND	Total/NA	Water	8021B	
MB 880-18231/8	Method Blank	Total/NA	Water	8021B	
LCS 880-18231/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-18231/4	Lab Control Sample Dup	Total/NA	Water	8021B	
820-3232-A-1 MS	Matrix Spike	Total/NA	Water	8021B	
820-3232-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

Analysis Batch: 18419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1884-1	UP STREAM	Total/NA	Water	Total BTEX	
890-1884-2	DOWN STREAM	Total/NA	Water	Total BTEX	
890-1884-3	POND	Total/NA	Water	Total BTEX	

GC Semi VOA

Prep Batch: 18192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1884-1	UP STREAM	Total/NA	Water	8015NM Aq Prep	
890-1884-2	DOWN STREAM	Total/NA	Water	8015NM Aq Prep	
890-1884-3	POND	Total/NA	Water	8015NM Aq Prep	
MB 880-18192/1-A	Method Blank	Total/NA	Water	8015NM Aq Prep	
LCS 880-18192/2-A	Lab Control Sample	Total/NA	Water	8015NM Aq Prep	
LCSD 880-18192/3-A	Lab Control Sample Dup	Total/NA	Water	8015NM Aq Prep	
890-1884-1 MS	UP STREAM	Total/NA	Water	8015NM Aq Prep	
890-1884-1 MSD	UP STREAM	Total/NA	Water	8015NM Aq Prep	

Analysis Batch: 18228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1884-1	UP STREAM	Total/NA	Water	8015B NM	18192
890-1884-2	DOWN STREAM	Total/NA	Water	8015B NM	18192
890-1884-3	POND	Total/NA	Water	8015B NM	18192
MB 880-18192/1-A	Method Blank	Total/NA	Water	8015B NM	18192
LCS 880-18192/2-A	Lab Control Sample	Total/NA	Water	8015B NM	18192
LCSD 880-18192/3-A	Lab Control Sample Dup	Total/NA	Water	8015B NM	18192
890-1884-1 MS	UP STREAM	Total/NA	Water	8015B NM	18192
890-1884-1 MSD	UP STREAM	Total/NA	Water	8015B NM	18192

Analysis Batch: 18413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1884-1	UP STREAM	Total/NA	Water	8015 NM	
890-1884-2	DOWN STREAM	Total/NA	Water	8015 NM	
890-1884-3	POND	Total/NA	Water	8015 NM	

HPLC/IC

Analysis Batch: 18301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1884-1	UP STREAM	Total/NA	Water	300.0	
890-1884-2	DOWN STREAM	Total/NA	Water	300.0	
890-1884-3	POND	Total/NA	Water	300.0	

QC Association Summary

Client: Talon/LPE
Project/Site: 1022 Line Leak (DCP Misdtream)

Job ID: 890-1884-1
SDG: Eddy

HPLC/IC (Continued)

Analysis Batch: 18301 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-18301/3	Method Blank	Total/NA	Water	300.0	
LCS 880-18301/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 880-18301/5	Lab Control Sample Dup	Total/NA	Water	300.0	
880-10749-A-1 MS	Matrix Spike	Total/NA	Water	300.0	
880-10749-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Lab Chronicle

Client: Talon/LPE
Project/Site: 1022 Line Leak (DCP Misdtream)

Job ID: 890-1884-1
SDG: Eddy

Client Sample ID: UP STREAM
Date Collected: 01/28/22 10:05
Date Received: 01/28/22 11:35

Lab Sample ID: 890-1884-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	18231	02/01/22 19:01	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18419	02/02/22 16:52	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18413	02/02/22 16:07	AJ	XEN MID
Total/NA	Prep	8015NM Aq Prep			31.2 mL	3 mL	18192	01/31/22 15:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18228	02/01/22 20:25	AJ	XEN MID
Total/NA	Analysis	300.0		20			18301	02/01/22 23:37	CH	XEN MID

Client Sample ID: DOWN STREAM
Date Collected: 01/28/22 10:15
Date Received: 01/28/22 11:35

Lab Sample ID: 890-1884-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	18231	02/01/22 20:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18419	02/02/22 16:52	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18413	02/02/22 16:07	AJ	XEN MID
Total/NA	Prep	8015NM Aq Prep			31.7 mL	3 mL	18192	01/31/22 15:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18228	02/01/22 21:28	AJ	XEN MID
Total/NA	Analysis	300.0		50			18301	02/01/22 23:50	CH	XEN MID

Client Sample ID: POND
Date Collected: 01/28/22 10:10
Date Received: 01/28/22 11:35

Lab Sample ID: 890-1884-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	18231	02/01/22 21:21	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18419	02/02/22 16:52	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18413	02/02/22 16:07	AJ	XEN MID
Total/NA	Prep	8015NM Aq Prep			31.5 mL	3 mL	18192	01/31/22 15:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18228	02/01/22 21:49	AJ	XEN MID
Total/NA	Analysis	300.0		50			18301	02/02/22 00:04	CH	XEN MID

Laboratory References:
XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: 1022 Line Leak (DCP Misdtream)

Job ID: 890-1884-1
SDG: Eddy

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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
8015 NM		Water	Total TPH
Total BTEX		Water	Total BTEX

Method Summary

Client: Talon/LPE
Project/Site: 1022 Line Leak (DCP Misdtream)

Job ID: 890-1884-1
SDG: Eddy

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5030B	Purge and Trap	SW846	XEN MID
8015NM Aq Prep	Microextraction	SW846	XEN MID

Protocol References:

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.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Talon/LPE
Project/Site: 1022 Line Leak (DCP Misdtream)

Job ID: 890-1884-1
SDG: Eddy

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1884-1	UP STREAM	Water	01/28/22 10:05	01/28/22 11:35	5
890-1884-2	DOWN STREAM	Water	01/28/22 10:15	01/28/22 11:35	5
890-1884-3	POND	Water	01/28/22 10:10	01/28/22 11:35	5

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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: _____

www.xenco.com Page 1 of 1

Cooling in Progress

Project Manager:	R Pons	Bill to: (if different)	
Company Name:	Talon LPE	Company Name:	
Address:	408 W Texas	Address:	
City, State ZIP:	88210 Artesia, N.M	City, State ZIP:	
Phone:	(575) 746-8768	Email:	

Work Order Comments

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

Project Name:	1022 EDD Cimarex/DCP	Turn Around	
Project Number:	700702.119.01	☐ Routine ☒ Rush	
Project Location:	EDDY	Due Date:	3 Day
Sampler's Name:	Art James	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	IR-NM-007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	18.4
Total Containers:		Corrected Temperature:	18.2

ANALYSIS REQUEST

Parameters: TPH, CL, BTEX

890-1884 Chain of Custody

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	Sample Comments
UP Stream	W	1/28	10:05	0		1	
Down Stream	W	1/28	10:15				
Pond	W	1/28	10:10				

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		1/28/22 11:35	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-1884-1
SDG Number: Eddy

Login Number: 1884
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-1884-1
SDG Number: Eddy

Login Number: 1884
List Number: 2
Creator: Kramer, Jessica

List Source: Eurofins Midland
List Creation: 01/31/22 08:21 AM

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

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ANALYTICAL REPORT

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-2065-1
Laboratory Sample Delivery Group: 700702.119.01
Client Project/Site: DCP 1022OD LINE

For:
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

Attn: David Adkins

Authorized for release by:
3/17/2022 6:19:57 PM
John Builes, Project Manager
(561)558-4549
john.builes@eurofinset.com

Designee for

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

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

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

Client: Talon/LPE
Project/Site: DCP 1022OD LINE

Laboratory Job ID: 890-2065-1
SDG: 700702.119.01

Table of Contents

Definitions/Glossary

Client: Talon/LPE
Project/Site: DCP 1022OD LINE

Job ID: 890-2065-1
SDG: 700702.119.01

Qualifiers

General Chemistry

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

Glossary

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

Case Narrative

Client: Talon/LPE
Project/Site: DCP 1022OD LINE

Job ID: 890-2065-1
SDG: 700702.119.01

Job ID: 890-2065-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2065-1

Receipt

The samples were received on 3/11/2022 10:31 AM. 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 1.0°C

General Chemistry

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

Client Sample Results

Client: Talon/LPE
Project/Site: DCP 1022OD LINE

Job ID: 890-2065-1
SDG: 700702.119.01

Client Sample ID: Source
Lab Sample ID: 890-2065-1
Date Collected: 03/10/22 03:15
Matrix: Water
Date Received: 03/11/22 10:31

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	15400		100	100	mg/L			03/16/22 12:13	1

Client Sample ID: Upgradient
Lab Sample ID: 890-2065-2
Date Collected: 03/10/22 03:30
Matrix: Water
Date Received: 03/11/22 10:31

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5680		40.0	40.0	mg/L			03/16/22 12:13	1

Client Sample ID: Downgradient
Lab Sample ID: 890-2065-3
Date Collected: 03/10/22 03:45
Matrix: Water
Date Received: 03/11/22 10:31

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	4450		40.0	40.0	mg/L			03/16/22 12:13	1

QC Sample Results

Client: Talon/LPE
Project/Site: DCP 1022OD LINE

Job ID: 890-2065-1
SDG: 700702.119.01

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 860-45186/1
Matrix: Water
Analysis Batch: 45186

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<5.00	U	5.00	5.00	mg/L			03/16/22 12:13	1

Lab Sample ID: LCS 860-45186/2
Matrix: Water
Analysis Batch: 45186

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			1000	1145		mg/L		115	80 - 120		

Lab Sample ID: LCSD 860-45186/3
Matrix: Water
Analysis Batch: 45186

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Dissolved Solids			1000	1141		mg/L		114	80 - 120	0	10

Lab Sample ID: 860-22471-A-1 DU
Matrix: Water
Analysis Batch: 45186

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	425			400.0		mg/L				6	10

QC Association Summary

Client: Talon/LPE
Project/Site: DCP 1022OD LINE

Job ID: 890-2065-1
SDG: 700702.119.01

General Chemistry

Analysis Batch: 45186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2065-1	Source	Total/NA	Water	SM 2540C	
890-2065-2	Upgradient	Total/NA	Water	SM 2540C	
890-2065-3	Downgradient	Total/NA	Water	SM 2540C	
MB 860-45186/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 860-45186/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 860-45186/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
860-22471-A-1 DU	Duplicate	Total/NA	Water	SM 2540C	

Lab Chronicle

Client: Talon/LPE
Project/Site: DCP 1022OD LINE

Job ID: 890-2065-1
SDG: 700702.119.01

Client Sample ID: Source
Date Collected: 03/10/22 03:15
Date Received: 03/11/22 10:31

Lab Sample ID: 890-2065-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	45186	03/16/22 12:13	ADL	XEN STF

Client Sample ID: Upgradient
Date Collected: 03/10/22 03:30
Date Received: 03/11/22 10:31

Lab Sample ID: 890-2065-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	45186	03/16/22 12:13	ADL	XEN STF

Client Sample ID: Downgradient
Date Collected: 03/10/22 03:45
Date Received: 03/11/22 10:31

Lab Sample ID: 890-2065-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	45186	03/16/22 12:13	ADL	XEN STF

Laboratory References:

XEN STF = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: DCP 1022OD LINE

Job ID: 890-2065-1
SDG: 700702.119.01

Laboratory: Eurofins Houston

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215-21-44	06-30-22

Method Summary

Client: Talon/LPE
Project/Site: DCP 1022OD LINE

Job ID: 890-2065-1
SDG: 700702.119.01

Method	Method Description	Protocol	Laboratory
SM 2540C	Solids, Total Dissolved (TDS)	SM	XEN STF

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

XEN STF = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Sample Summary

Client: Talon/LPE
Project/Site: DCP 1022OD LINE

Job ID: 890-2065-1
SDG: 700702.119.01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-2065-1	Source	Water	03/10/22 03:15	03/11/22 10:31
890-2065-2	Upgradient	Water	03/10/22 03:30	03/11/22 10:31
890-2065-3	Downgradient	Water	03/10/22 03:45	03/11/22 10:31

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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: _____

www.xenco.com Page 1 of 1

Project Manager:	David Adkins	Bill to: (if different)	
Company Name:	Talon/LPE	Company Name:	Talon/LPE
Address:	408 W. Texas	Address:	
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	
Phone:	575.441.4835	Email:	

Work Order Comments

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

Project Name:	DCP 10220D Line	Turn Around	
Project Number:	700702.119.01	☒ Routine ☐ Rush	
Project Location:	Eddy Co., NM	Due Date:	4 Day
Sampler's Name:	D. ADKINS	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	NPL007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	1.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	1.0
Total Containers:		Corrected Temperature:	-0.2

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2S0_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: BTEX 8021	Sample Comments
Source	W	3/10/22	315pm		G	1		X	
Upgradient	W	3/10/22	330pm		G	1		X	
downgradient	W	3/10/22	345pm		G	1		X	

890-2065 Chain of Custody

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		10:00	2	31122 1031	
3			4		
5			6		

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-663.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica.kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 890-2065-1
Address: 4145 Greenbriar Dr	Due Date Requested: 3/17/2022			
City: Stafford	TAT Requested (days):			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			
Email:	WO #:			
Project Name: DCP 1022OD LINE	Project #: 89000040			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C_Calcd	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
Source (890-2065-1)	3/10/22	03:15 Mountain		Water			X	1	
Upgradient (890-2065-2)	3/10/22	03:30 Mountain		Water			X	1	
Downgradient (890-2065-3)	3/10/22	03:45 Mountain		Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I II, III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Clue Culp 3/11/22			FedEx		
Relinquished by: FedEx	Date/Time:	Company	Received by:	Date/Time: 3/14/22 1032	Company Ex
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:
		Temp: 3.6 IR ID:HOU-223 C/F:-0.1 Corrected Temp: 3.5

06/08/2021

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 91775

CONDITIONS

Operator: Talon LPE 408 W Texas Artesia, NM 88210	OGRID: 329944
	Action Number: 91775
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2134844762 10220D LINE, thank you. This closure is approved.	9/14/2022