

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	nAPP2132140928
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Matador Production Company	OGRID: 228937
Contact Name: Arsenio T. Jones	Contact Telephone: 575
Contact email: arsenio.jones@matadorresources.com	Incident # (assigned by OCD): nAPP2132140928
Contact mailing address: One Lincoln Centre Dallas, TX 75240	

Location of Release Source

Latitude 32.479972 Longitude -103.425440 (location of source)
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Bruce Keplinger SWD Line	Site Type: Flow line Oil Production
Date Release Discovered: 09/14/2021	API# (if applicable)

Unit Letter	Section	Township	Range	County
E	13	21S	34E	Eddy

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 5 bbls	Volume Recovered (bbls) 0bbls
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release:

This was a flowline leak causing approximately 5 bbl produced water incident that traversed pasture area adjacent to the lease road and pad area. The approximate area of the impacted area is 56'x52'. Talon LPE has been consulted for and completion for remediation of the affected area.

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Oil Conservation Division

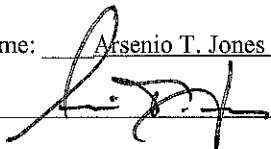
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Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Notification was provided to the NMOCD on 11/17/2021 by Arsenio Jones of Matador (online).	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: <u>Arsenio T. Jones</u> Title: <u>Regulatory, Environmental and Safety Specialist</u> Signature:  Date: <u>1/13/2022</u> email: <u>arsenio.jones@matadorresources.com</u> Telephone: <u>575-361-4333</u>
<u>OCD Only</u> Received by: <u>Ramona Marcus</u> Date: <u>2/9/2022</u>

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Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>70</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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.

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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: Arsenio T. Jones Title: Regulatory, Environmental and Safety SpecialistSignature:  Date: 1/13/2022email: arsenio.jones@matadorresources.com Telephone: 575-361-4333**OCD Only**Received by: Ramona Marcus Date: 2/9/2022

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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: Arsenio T. Jones Title: Regulatory, Environmental and Safety SpecialistSignature:  Date: 1/13/2022email: arsenio.jones@matadorresources.com Telephone: 575-361-4333**OCD Only**Received by: Ramona Marcus Date: 2/9/2022☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

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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 OCD District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Arsenio T. Jones Title: Regulatory, Environmental and Safety Specialist

Signature:  Date: 1/13/2022

email: arsenio.jones@matadorresources.com Telephone: 575-361-4333

OCD Only

Received by: Ramona Marcus Date: 2/9/2022

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:  Date: 02/22/2022

Printed Name: Chad Hensley Title: Environmental Specialist Advanced

talonlpe.com • 866.742.0742



Closure Report

Bruce Keplinger Tank Battery SWD Line
Eddy County, New Mexico
Incident # nAPP2132140928
E-13-21S-34E

Prepared For:

Matador Production Company
One Lincoln Center
Dallas, TX 75240

Prepared By:

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

January 27, 2022



Mr. Chad Hensley
NMOCD
1301 W Grand Ave.
Artesia, NM 88210

Subject: **Closure Report**
Bruce Keplinger Tank Battery SWD Line
Eddy County, New Mexico
Incident # nAPP2132140928

Dear Mr. Hensley,

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

Site Information

The Bruce Keplinger SWD Line is located approximately forth six (46) miles east of Carlsbad, New Mexico. The legal location for this release is Unit Letter E, Section 13, Township 21 South and Range 34 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.479972 and -103.425440. A Site Location Map 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 this area is made up of Kimbrough gravelly loam, 0 to 3 percent slopes. The referenced soil data is presented in [Appendix II](#). Per the New Mexico Bureau of Geology and Mineral Resources, the local geology consists of the Ogallala Formation, lower Pliocene to Middle Miocene in age, and comprised of alluvial and eolian deposits derived from sedimentary rock of the southern high plains. Drainage courses in this area are typically well drained.

Ground Water and Site Characterization

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater is 70 feet below ground surface (bgs). See [Appendix II](#) for the referenced groundwater depth. Further research of the Bureau of Land Management Karst data indicates that this site is not located within a potential Karst area.

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	70	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 on a location where the impact occurred in pasture area, the clean-up criteria for the upper 4 feet of this site per NMAC 19.15.29.13.D 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

During routine site clean-up activities on September 14, 2021, Matador personnel noticed pasture impact from a flowline leak that traversed the pasture area adjacent to the pad and lease road, a C-141 spill notification was filed with the NMOCD, and is referenced in [Appendix III](#). The site map is presented in [Appendix I](#).

Site Assessment

On November 18, 2021 Talon mobilized personnel to the site to conduct an initial site assessment. The impacted area was mapped utilizing a Trimble Juno 3B, photographed and sampled utilizing a hand auger. All soil samples were properly packaged, preserved, and transported to Eurofins Xenco, Laboratories via chain of custody for analysis of Total Chlorides (EPA Method 300.0), TPH (EPA Method 8015M), and BTEX (EPA Method 8021B). Sample locations are shown on the attached Figure 2 ([Appendix I](#)) and the results of our sampling event are presented on the following data table.

Table I
11/24/2021 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	11/18/2021	0-1'	ND	ND	ND	263	ND	263	2700
	11/18/2021	2'	ND	ND	ND	32.3	ND	32.3	1490
	11/18/2021	3'	0.001	ND	ND	ND	ND	0	705
	11/18/2021	4'	0.002	ND	ND	ND	ND	0	533
S-2	11/18/2021	0-1'	ND	ND	ND	245	104	349	2770
	11/18/2021	2'	0.008	0.008	ND	ND	ND	0	6490
	11/18/2021	3'	0.002	0.0008	ND	ND	ND	0	5100
	11/18/2021	4'	0.001	ND	ND	ND	ND	0	4560
S-3	11/18/2021	0-1'	ND	ND	ND	48	ND	48	2790
	11/18/2021	2'	ND	ND	ND	ND	ND	0	10900
	11/18/2021	3'	ND	ND	ND	ND	15	15	11300
	11/18/2021	4'	ND	ND	ND	ND	ND	0	10900
BG-1	11/18/2021	0'	ND	ND	17.2	61	32.2	110.4	585
BG-2	11/18/2021	0'	0.001	0.0004	34.7	16.6	29.4	80.7	253
BG-3	11/18/2021	0'	ND	ND	19.7	ND	24.3	44	24.5
BG-4	11/18/2021	0'	ND	ND	ND	25.6	24.2	49.8	55.3

ND=Analyte Not Detected

BG=Background Sample

See [Appendix V](#) for the complete report of laboratory results.

On January 03, 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 remediation of the impacted area. Field titration data was used to guide the excavation. The excavated area measured approximately 45 feet long, 59 feet wide and 4 feet to 20 feet deep. Composite soil samples were collected from the bottom and sidewalls of the excavated area, as well as from background locations. All soil samples were properly collected and preserved for transport to Cardinal Laboratories in order to confirm that NMOCD clean-up criteria had been achieved. The confirmation results from the laboratory are tabulated below. Confirmation sample locations are illustrated on Figure 3 ([Appendix I](#)).

Table II
01/06/2022 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	1/3/2022	10'	ND	ND	ND	ND	ND	0	224
S-2	1/3/2022	17'	ND	ND	ND	ND	ND	0	272
S-3	1/3/2022	17'	ND	ND	ND	ND	ND	0	256
S-4	1/3/2022	4'	ND	ND	ND	ND	ND	0	256
S-5	1/3/2022	4'	ND	ND	ND	ND	ND	0	272
S-6	12/29/2021	4'	ND	ND	ND	ND	ND	0	1220
	12/29/2021	6'	NT	NT	NT	NT	NT	0	2160
	12/29/2021	8'	NT	NT	NT	NT	NT	0	1480
	12/29/2021	12'	NT	NT	NT	NT	NT	0	912
	12/29/2021	14'	NT	NT	NT	NT	NT	0	1120
	12/29/2021	16'	NT	NT	NT	NT	NT	0	896
	12/29/2021	18'	NT	NT	NT	NT	NT	0	528
	12/29/2021	20'	ND	ND	ND	ND	ND	0	96
S-7	1/3/2022	17'	ND	ND	ND	ND	ND	0	272
S-8	1/3/2022	17'	ND	ND	ND	ND	ND	0	288
S-9	1/3/2022	17'	ND	ND	ND	ND	ND	0	240
S-10	1/3/2022	17'	ND	ND	ND	ND	ND	0	272
S-11	1/3/2022	17'	ND	ND	ND	ND	ND	0	304
S.SW-1	1/3/2022	17'	ND	ND	ND	ND	ND	0	192
S.SW-2	1/3/2022	17'	ND	ND	ND	ND	ND	0	176
S.SW-3	1/3/2022	17'	ND	ND	ND	ND	ND	0	160
E.SW-1	1/3/2022	10'	ND	ND	ND	ND	ND	0	192
E.SW-2	1/3/2022	17'	ND	ND	ND	ND	ND	0	176
E.SW-3	1/3/2022	17'	ND	ND	ND	ND	ND	0	176
W.SW-1	1/3/2022	4'	ND	ND	ND	ND	ND	0	160
W.SW-2	1/3/2022	20'	ND	ND	ND	ND	ND	0	176
N.SW-1	1/3/2022	4'	ND	ND	ND	ND	ND	0	192
N.SW-1	1/3/2022	17'	ND	ND	ND	ND	ND	0	176

ND= Analyte Not Detected

NT=Analyte Not Tested

SW=Sidewall

See [Appendix V](#) for the complete report of laboratory results.

Remedial Actions

- The spill footprint was excavated to depths of 4 feet to 20 feet bgs and to the horizontal extent that all surface staining and hydrocarbon odors were removed. Laboratory analysis confirms that NMOCD closure criteria for soil remediation has been achieved.
- Background and sidewall samples were obtained in order to confirm horizontal delineation.
- The area in the vicinity of background sample BG-1 was scraped to a depth of 1-foot bgs and confirmation samples collected to verify NMOCD clean up criteria was met.
- All contaminated soil was transported to Lea Land, LLC, a NMOCD approved solid waste disposal facility.
- The excavated area was backfilled with clean caliche to 4 feet bgs, followed by topsoil to surface grade and terraced to match the natural terrain. This area will be seeded in the spring in order for growth to be facilitated with natural precipitation.

Closure

Based on this site characterization, remedial action completed, and 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

Attachments:

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



Appendix I


Site Maps

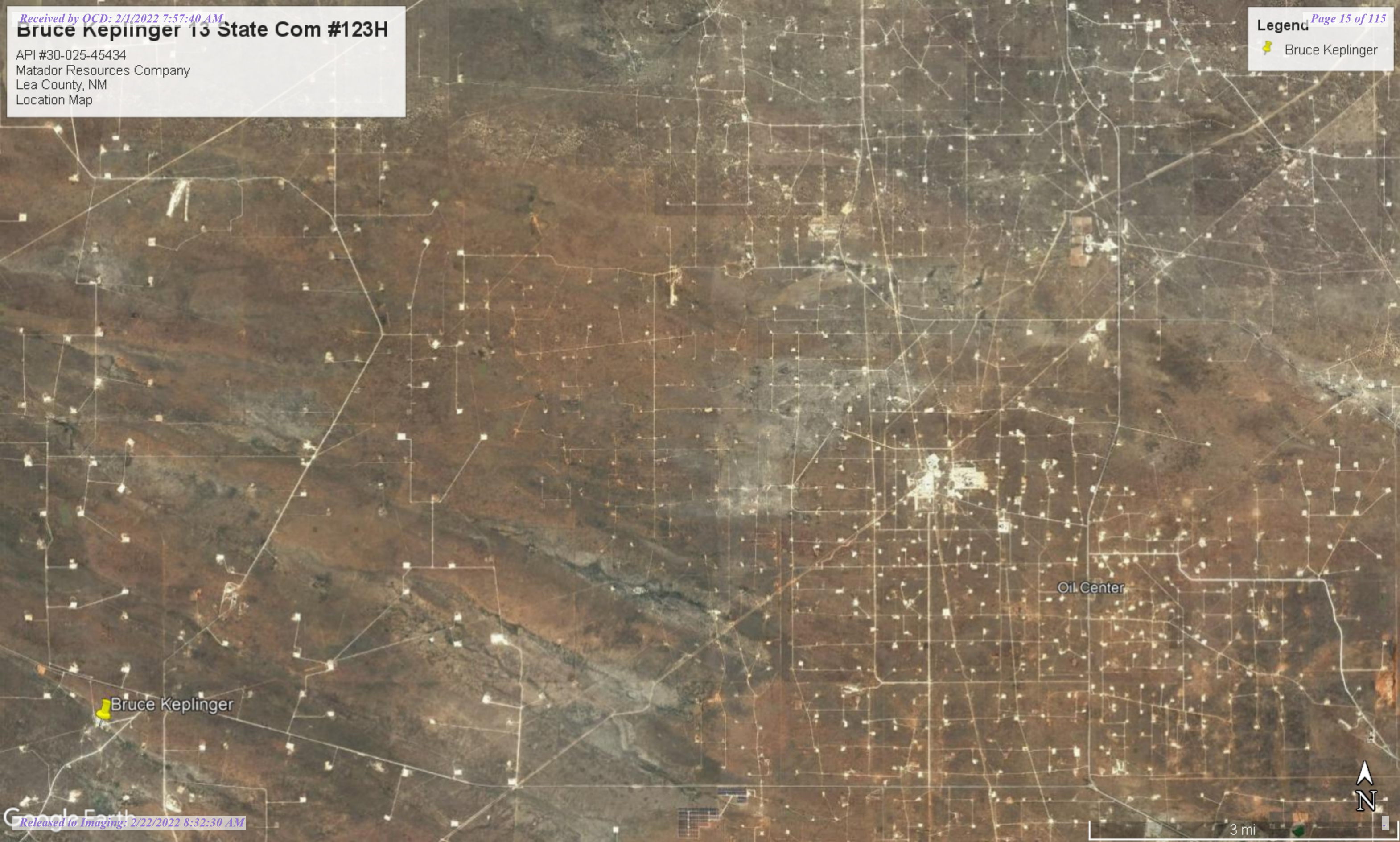
Bruce Keplinger 13 State Com #123H

API #30-025-45434
Matador Resources Company
Lea County, NM
Location Map


Legend

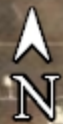
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 Bruce Keplinger



Oil Center

 Bruce Keplinger



3 mi



Drafted: 1/28/2022

1 in = 40 ft

Drafted By: IJR

Bruce Keplinger 13 State Com #123H
API #30-025-45434
Matador Resources Company
Lea County, NM
Site Assessment Map



Drafted: 1/28/2022

1 in = 20 ft

Drafted By: IJR

Bruce Keplinger 13 State Com #123H
API #30-025-45434
Matador Resources Company
Lea County, NM
Confirmation Map

Bruce Keplinger 13 State Com #123H

API #30-025-45434
Matador Resources Company
Lea County, NM
Karst Map

Legend

-  Bruce Keplinger
-  Low




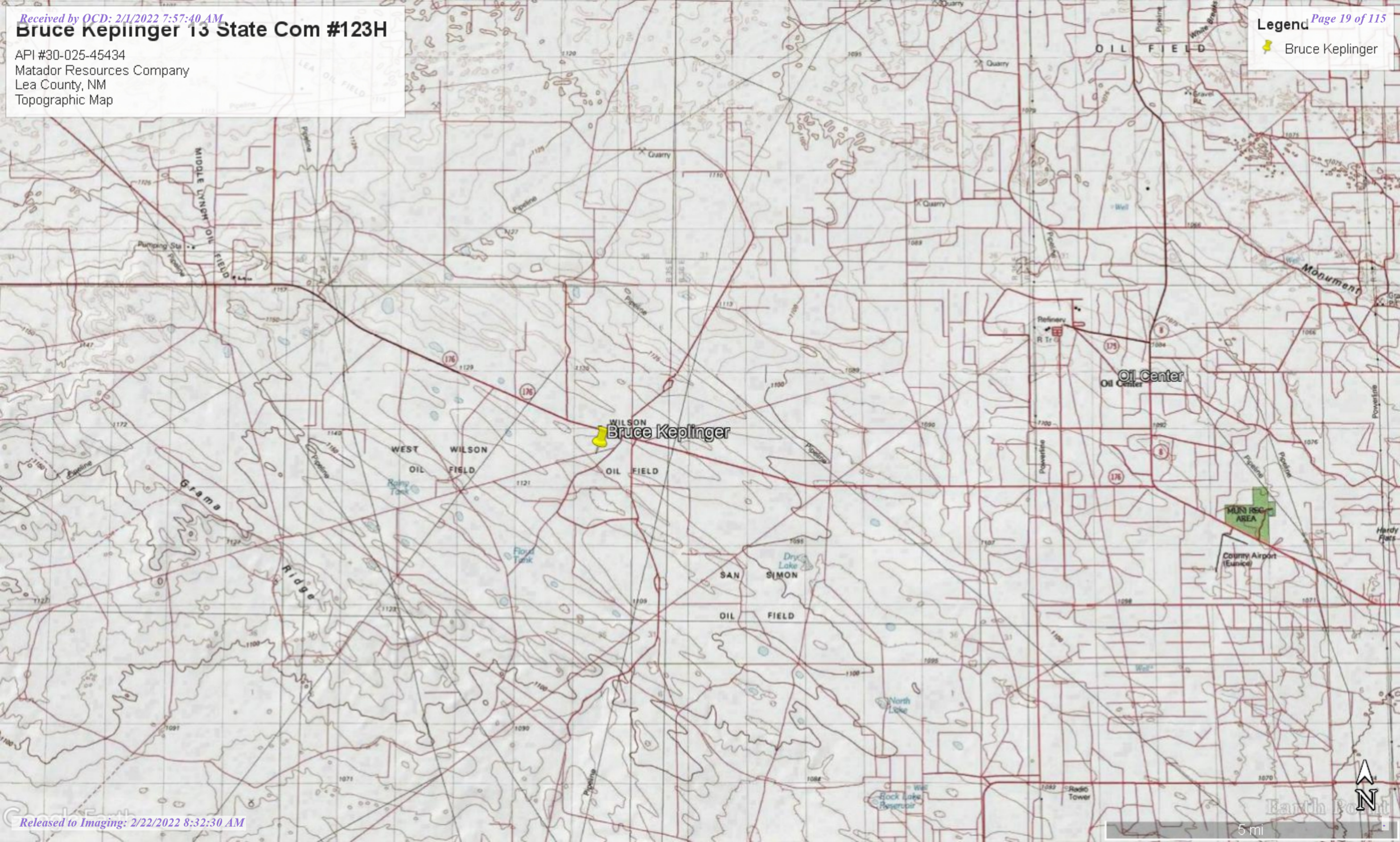
4000 ft



Bruce Keplinger 13 State Com #123H

API #30-025-45434
Matador Resources Company
Lea County, NM
Topographic Map

 Bruce Keplinger





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	DepthWell	DepthWater	Water Column
CP 01848 POD3		CP	LE	2	4	1	13	21S	34E	647904	3594858	119	87	70	17
CP 00089	O	CP	LE		2	1	13	21S	34E	647840	3594615	169	235		
CP 01848 POD2		CP	LE	4	3	1	13	21S	34E	647587	3594789	361	96	80	16
CP 00939 POD1		CP	LE	4	1	2	07	21S	35E	649974	3596760*	2857	400	165	235
CP 00940 POD1		CP	LE	4	1	2	07	21S	35E	649974	3596760*	2857	400	165	235

Average Depth to Water: **120 feet**

Minimum Depth: **70 feet**

Maximum Depth: **165 feet**

Record Count: 5

UTMNAD83 Radius Search (in meters):

Easting (X): 647946

Northing (Y): 3594747.49

Radius: 3000

*UTM location was derived from PLSS - see Help

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

11/19/21 6:57 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



United States
Department of
Agriculture

NRCS

Natural
Resources
Conservation
Service

A product of the National
Cooperative Soil Survey,
a joint effort of the United
States Department of
Agriculture and other
Federal agencies, State
agencies including the
Agricultural Experiment
Stations, and local
participants

Custom Soil Resource Report for Lea County, New Mexico



November 19, 2021

Lea County, New Mexico

KO—Kimbrough gravelly loam, dry, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 2tw43
Elevation: 2,500 to 4,800 feet
Mean annual precipitation: 14 to 16 inches
Mean annual air temperature: 57 to 63 degrees F
Frost-free period: 180 to 220 days
Farmland classification: Not prime farmland

Map Unit Composition

Kimrough, dry, and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kimbrough, Dry

Setting

Landform: Playa rims, plains
Down-slope shape: Convex, linear
Across-slope shape: Concave, linear
Parent material: Loamy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 3 inches: gravelly loam
Bw - 3 to 10 inches: loam
Bkkm1 - 10 to 16 inches: cemented material
Bkkm2 - 16 to 80 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 4 to 18 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.01 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 95 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: R077DY049TX - Very Shallow 12-17" PZ
Hydric soil rating: No

Minor Components

Eunice

Percent of map unit: 10 percent
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Convex
Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Hydric soil rating: No

Spraberry

Percent of map unit: 6 percent
Landform: Playa rims, plains
Down-slope shape: Convex, linear
Across-slope shape: Linear
Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Hydric soil rating: No

Kenhill

Percent of map unit: 4 percent
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R077DY038TX - Clay Loam 12-17" PZ
Hydric soil rating: No

MN—Ratliff-Wink fine sandy loams

Map Unit Setting

National map unit symbol: dmqf
Elevation: 3,000 to 3,900 feet
Mean annual precipitation: 10 to 15 inches
Mean annual air temperature: 60 to 62 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Ratliff and similar soils: 45 percent
Wink and similar soils: 40 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Ratliff

Setting

Landform: Plains
Landform position (three-dimensional): Dip
Down-slope shape: Convex
Across-slope shape: Convex

Custom Soil Resource Report

Parent material: Calcareous alluvium and/or calcareous eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 4 inches: fine sandy loam

Bw - 4 to 22 inches: clay loam

Bk - 22 to 60 inches: clay loam

Properties and qualities

Slope: 0 to 3 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: 50 percent

Gypsum, maximum content: 1 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Moderate (about 8.1 inches)

Interpretive groups

Land capability classification (irrigated): 4e

Land capability classification (nonirrigated): 6c

Hydrologic Soil Group: B

Ecological site: R042XC007NM - Loamy

Hydric soil rating: No

Description of Wink**Setting**

Landform: Plains

Landform position (three-dimensional): Dip

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Calcareous sandy alluvium and/or calcareous sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 12 inches: fine sandy loam

Bk - 12 to 23 inches: sandy loam

BCK - 23 to 60 inches: sandy loam

Properties and qualities

Slope: 0 to 3 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: 30 percent

Custom Soil Resource Report

Gypsum, maximum content: 1 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Low (about 4.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: A

Ecological site: R042XC004NM - Sandy

Hydric soil rating: No

Minor Components

Kermit

Percent of map unit: 6 percent

Ecological site: R042XC022NM - Sandhills

Hydric soil rating: No

Maljamar

Percent of map unit: 5 percent

Ecological site: R042XC003NM - Loamy Sand

Hydric soil rating: No

Palomas

Percent of map unit: 4 percent

Ecological site: R042XC003NM - Loamy Sand

Hydric soil rating: No



Appendix III

C-141 Forms

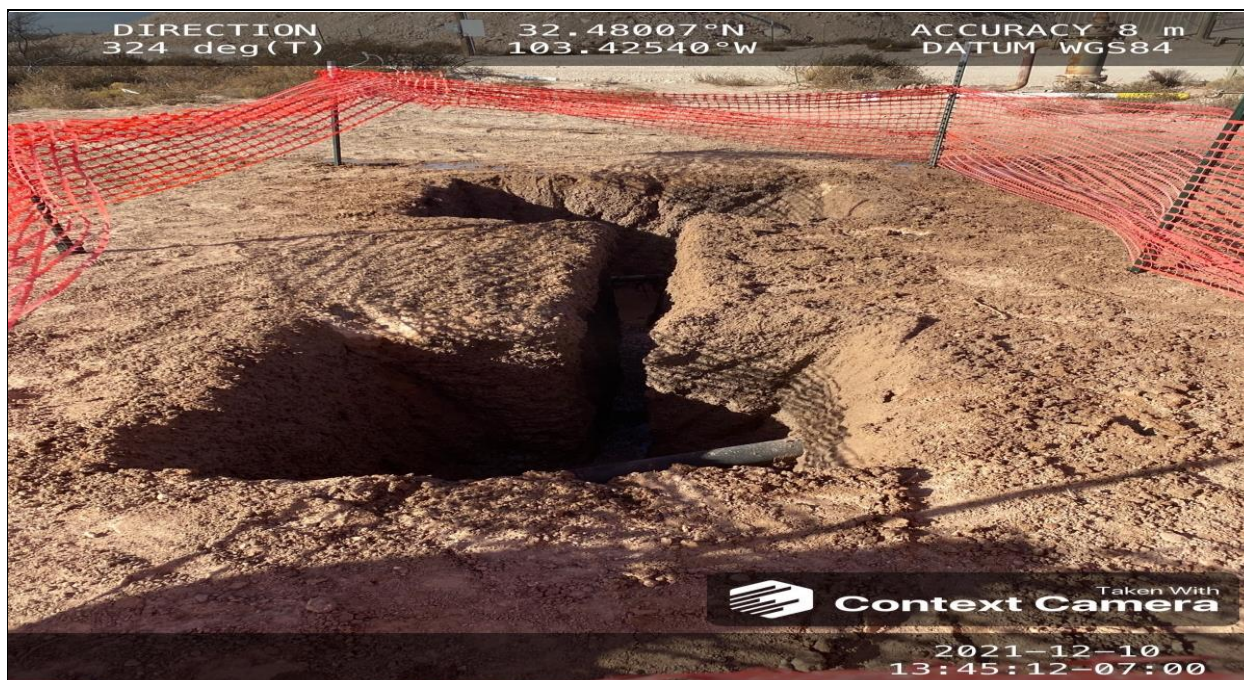


Appendix IV

Photographic Documentation

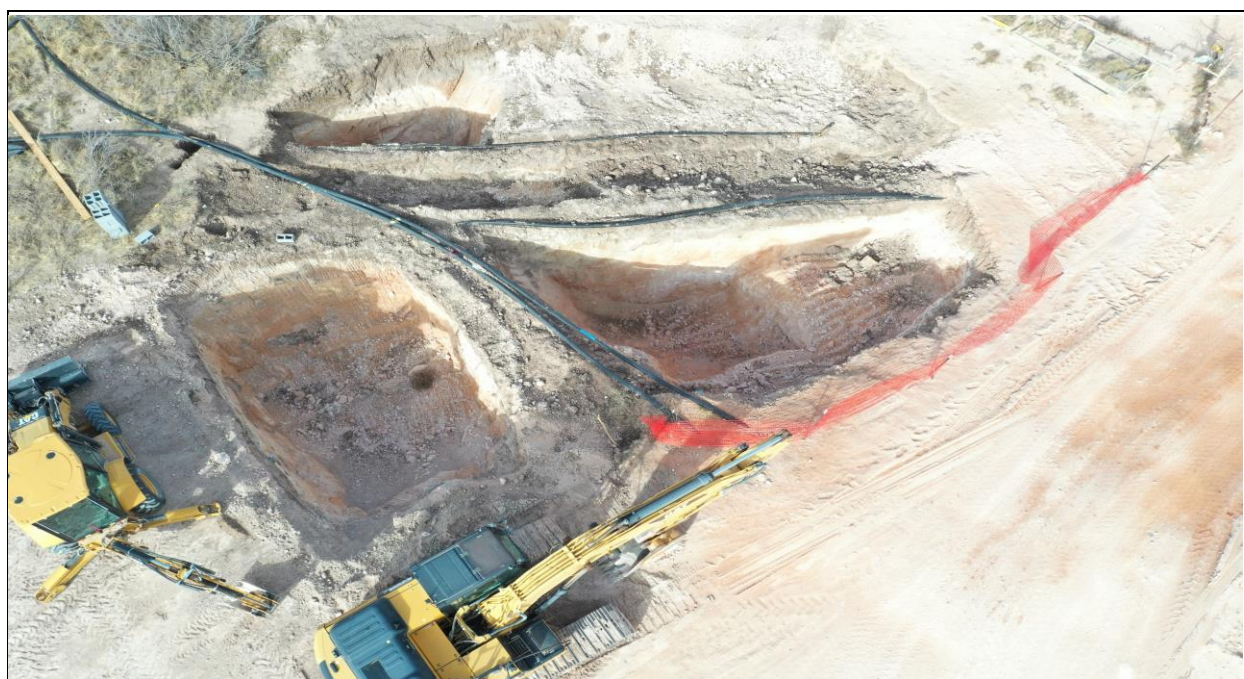


Bruce Keplinger 13 State Com
Eddy County, New Mexico



Photograph No.1
Description:

Flowline Release Exposed



Photograph No.2
Description:

Aerial of Excavation



Bruce Keplinger 13 State Com
Eddy County, New Mexico



Photograph No.3
Description:

Backfilled with clean native topsoil to grade



Appendix V

Laboratory Data



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-1602-1

Laboratory Sample Delivery Group: Lea County
Client Project/Site: Bruce Keplinger

For:

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

Attn: Rebecca Pong

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
11/24/2021 8:44:44 PM

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

LINKS

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results through

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www.eurofinsus.com/Env

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: Bruce Keplinger

Laboratory Job ID: 890-1602-1
SDG: Lea County

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Definitions/Glossary

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

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.

GC Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
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.
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

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.
α	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)

Eurofins Xenco, Carlsbad

Definitions/Glossary

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Case Narrative

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

Job ID: 890-1602-1**Laboratory: Eurofins Xenco, Carlsbad****Narrative****Job Narrative
890-1602-1****Receipt**

The samples were received on 11/18/2021 3:10 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 13.8°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

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-12848 and analytical batch 880-12855 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-12848/2-A) and (LCSD 880-12848/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The spike amount in the system for the MS/MSD is inadvertently doubled. The surrogate recovery for these samples is acceptable based on the actual spike amounts which should be 100 ppm and 50 ppm respectively.(890-1608-A-5-F MS) and (890-1608-A-5-F MSD)

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-13010/2-A) and (LCSD 880-13010/3-A). Percent recoveries are based on the amount spiked. MS/MSD were acceptable.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-13010 and analytical batch 880-13046 was outside the upper control limits.

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: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

Client Sample ID: S-1

Lab Sample ID: 890-1602-1

Date Collected: 11/18/21 10:25

Matrix: Solid

Date Received: 11/18/21 15:10

Sample Depth: 0 - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000381	mg/Kg		11/22/21 10:00	11/22/21 15:30	1
Toluene	<0.00198	U	0.00198	0.000451	mg/Kg		11/22/21 10:00	11/22/21 15:30	1
Ethylbenzene	<0.00198	U	0.00198	0.000559	mg/Kg		11/22/21 10:00	11/22/21 15:30	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00100	mg/Kg		11/22/21 10:00	11/22/21 15:30	1
o-Xylene	<0.00198	U	0.00198	0.000341	mg/Kg		11/22/21 10:00	11/22/21 15:30	1
Xylenes, Total	<0.00396	U	0.00396	0.00100	mg/Kg		11/22/21 10:00	11/22/21 15:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	11/22/21 10:00	11/22/21 15:30	1
1,4-Difluorobenzene (Surr)	95		70 - 130	11/22/21 10:00	11/22/21 15:30	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	0.00100	mg/Kg			11/22/21 16:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	263		50.0	15.0	mg/Kg			11/22/21 13:12	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		11/22/21 08:30	11/22/21 15:45	1
Diesel Range Organics (Over C10-C28)	263		50.0	15.0	mg/Kg		11/22/21 08:30	11/22/21 15:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		11/22/21 08:30	11/22/21 15:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	11/22/21 08:30	11/22/21 15:45	1
o-Terphenyl	125		70 - 130	11/22/21 08:30	11/22/21 15:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2700		25.0	4.28	mg/Kg			11/23/21 06:02	5

Client Sample ID: S-1

Lab Sample ID: 890-1602-2

Date Collected: 11/18/21 10:30

Matrix: Solid

Date Received: 11/18/21 15:10

Sample Depth: 2

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		11/22/21 10:00	11/22/21 15:51	1
Toluene	<0.00202	U	0.00202	0.000460	mg/Kg		11/22/21 10:00	11/22/21 15:51	1
Ethylbenzene	<0.00202	U	0.00202	0.000570	mg/Kg		11/22/21 10:00	11/22/21 15:51	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00102	mg/Kg		11/22/21 10:00	11/22/21 15:51	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		11/22/21 10:00	11/22/21 15:51	1
Xylenes, Total	<0.00403	U	0.00403	0.00102	mg/Kg		11/22/21 10:00	11/22/21 15:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	11/22/21 10:00	11/22/21 15:51	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

Client Sample ID: S-1

Lab Sample ID: 890-1602-2

Date Collected: 11/18/21 10:30

Matrix: Solid

Date Received: 11/18/21 15:10

Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	109		70 - 130	11/22/21 10:00	11/22/21 15:51	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			11/22/21 16:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	32.3	J	50.0	15.0	mg/Kg			11/22/21 13:12	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		11/22/21 08:30	11/22/21 16:06	1
Diesel Range Organics (Over C10-C28)	32.3	J	50.0	15.0	mg/Kg		11/22/21 08:30	11/22/21 16:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		11/22/21 08:30	11/22/21 16:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				11/22/21 08:30	11/22/21 16:06	1
o-Terphenyl	127		70 - 130				11/22/21 08:30	11/22/21 16:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1490		25.0	4.28	mg/Kg			11/22/21 15:34	5

Client Sample ID: S-1

Lab Sample ID: 890-1602-3

Date Collected: 11/18/21 10:35

Matrix: Solid

Date Received: 11/18/21 15:10

Sample Depth: 3

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		11/22/21 10:00	11/22/21 16:11	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		11/22/21 10:00	11/22/21 16:11	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		11/22/21 10:00	11/22/21 16:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		11/22/21 10:00	11/22/21 16:11	1
o-Xylene	0.00113	J	0.00199	0.000343	mg/Kg		11/22/21 10:00	11/22/21 16:11	1
Xylenes, Total	0.00113	J	0.00398	0.00101	mg/Kg		11/22/21 10:00	11/22/21 16:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	11/22/21 10:00	11/22/21 16:11	1
1,4-Difluorobenzene (Surr)	105		70 - 130	11/22/21 10:00	11/22/21 16:11	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00113	J	0.00398	0.00101	mg/Kg			11/22/21 16:47	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			11/22/21 13:12	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

Client Sample ID: S-1

Lab Sample ID: 890-1602-3

Date Collected: 11/18/21 10:35

Matrix: Solid

Date Received: 11/18/21 15:10

Sample Depth: 3

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		11/22/21 08:30	11/22/21 16:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		11/22/21 08:30	11/22/21 16:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		11/22/21 08:30	11/22/21 16:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				11/22/21 08:30	11/22/21 16:49	1
o-Terphenyl	132	X	70 - 130				11/22/21 08:30	11/22/21 16:49	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	705		5.04	0.865	mg/Kg			11/22/21 15:56	1

Client Sample ID: S-1

Lab Sample ID: 890-1602-4

Date Collected: 11/18/21 10:40

Matrix: Solid

Date Received: 11/18/21 15:10

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		11/22/21 10:00	11/22/21 16:32	1
Toluene	0.000981	J	0.00200	0.000456	mg/Kg		11/22/21 10:00	11/22/21 16:32	1
Ethylbenzene	0.000801	J	0.00200	0.000565	mg/Kg		11/22/21 10:00	11/22/21 16:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		11/22/21 10:00	11/22/21 16:32	1
o-Xylene	0.00112	J	0.00200	0.000344	mg/Kg		11/22/21 10:00	11/22/21 16:32	1
Xylenes, Total	0.00112	J	0.00400	0.00101	mg/Kg		11/22/21 10:00	11/22/21 16:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				11/22/21 10:00	11/22/21 16:32	1
1,4-Difluorobenzene (Surr)	114		70 - 130				11/22/21 10:00	11/22/21 16:32	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00290	J	0.00400	0.00101	mg/Kg			11/22/21 16:47	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			11/22/21 13:12	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		11/22/21 08:30	11/22/21 17:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		11/22/21 08:30	11/22/21 17:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		11/22/21 08:30	11/22/21 17:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				11/22/21 08:30	11/22/21 17:11	1
o-Terphenyl	124		70 - 130				11/22/21 08:30	11/22/21 17:11	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

Client Sample ID: S-1

Lab Sample ID: 890-1602-4

Date Collected: 11/18/21 10:40

Matrix: Solid

Date Received: 11/18/21 15:10

Sample Depth: 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	533		4.97	0.853	mg/Kg			11/22/21 16:04	1

Client Sample ID: S-2

Lab Sample ID: 890-1602-5

Date Collected: 11/18/21 10:45

Matrix: Solid

Date Received: 11/18/21 15:10

Sample Depth: 0 - 1

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		11/22/21 10:00	11/22/21 16:53	1
Toluene	0.000544	J	0.00200	0.000455	mg/Kg		11/22/21 10:00	11/22/21 16:53	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		11/22/21 10:00	11/22/21 16:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		11/22/21 10:00	11/22/21 16:53	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		11/22/21 10:00	11/22/21 16:53	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		11/22/21 10:00	11/22/21 16:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				11/22/21 10:00	11/22/21 16:53	1
1,4-Difluorobenzene (Surr)	100		70 - 130				11/22/21 10:00	11/22/21 16:53	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			11/22/21 16:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	349		49.9	15.0	mg/Kg			11/22/21 13:12	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		11/23/21 08:57	11/23/21 14:35	1
Diesel Range Organics (Over C10-C28)	245		49.9	15.0	mg/Kg		11/23/21 08:57	11/23/21 14:35	1
Oil Range Organics (Over C28-C36)	104		49.9	15.0	mg/Kg		11/23/21 08:57	11/23/21 14:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				11/23/21 08:57	11/23/21 14:35	1
o-Terphenyl	106		70 - 130				11/23/21 08:57	11/23/21 14:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2770		24.8	4.25	mg/Kg			11/22/21 16:11	5

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

Client Sample ID: S-2

Lab Sample ID: 890-1602-6

Date Collected: 11/18/21 10:50

Matrix: Solid

Date Received: 11/18/21 15:10

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00821		0.00198	0.000382	mg/Kg		11/22/21 10:00	11/22/21 17:13	1
Toluene	<0.00198	U	0.00198	0.000452	mg/Kg		11/22/21 10:00	11/22/21 17:13	1
Ethylbenzene	<0.00198	U	0.00198	0.000561	mg/Kg		11/22/21 10:00	11/22/21 17:13	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	0.00100	mg/Kg		11/22/21 10:00	11/22/21 17:13	1
o-Xylene	<0.00198	U	0.00198	0.000341	mg/Kg		11/22/21 10:00	11/22/21 17:13	1
Xylenes, Total	<0.00397	U	0.00397	0.00100	mg/Kg		11/22/21 10:00	11/22/21 17:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	11/22/21 10:00	11/22/21 17:13	1
1,4-Difluorobenzene (Surr)	112		70 - 130	11/22/21 10:00	11/22/21 17:13	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00821		0.00397	0.00100	mg/Kg			11/22/21 16:47	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			11/22/21 13:12	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		11/22/21 08:30	11/22/21 17:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		11/22/21 08:30	11/22/21 17:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		11/22/21 08:30	11/22/21 17:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	11/22/21 08:30	11/22/21 17:53	1
o-Terphenyl	129		70 - 130	11/22/21 08:30	11/22/21 17:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6490		50.0	8.58	mg/Kg			11/22/21 16:18	10

Client Sample ID: S-2

Lab Sample ID: 890-1602-7

Date Collected: 11/18/21 10:55

Matrix: Solid

Date Received: 11/18/21 15:10

Sample Depth: 3

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000839	J	0.00200	0.000384	mg/Kg		11/22/21 08:30	11/22/21 16:52	1
Toluene	0.000993	J	0.00200	0.000455	mg/Kg		11/22/21 08:30	11/22/21 16:52	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		11/22/21 08:30	11/22/21 16:52	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		11/22/21 08:30	11/22/21 16:52	1
o-Xylene	0.000616	J	0.00200	0.000343	mg/Kg		11/22/21 08:30	11/22/21 16:52	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		11/22/21 08:30	11/22/21 16:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	11/22/21 08:30	11/22/21 16:52	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

Client Sample ID: S-2

Lab Sample ID: 890-1602-7

Date Collected: 11/18/21 10:55

Matrix: Solid

Date Received: 11/18/21 15:10

Sample Depth: 3

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	97		70 - 130	11/22/21 08:30	11/22/21 16:52	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00245	J	0.00399	0.00101	mg/Kg			11/22/21 16:47	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			11/22/21 13:12	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		11/22/21 08:30	11/22/21 18:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		11/22/21 08:30	11/22/21 18:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		11/22/21 08:30	11/22/21 18:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				11/22/21 08:30	11/22/21 18:14	1
o-Terphenyl	131	X	70 - 130				11/22/21 08:30	11/22/21 18:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5100		49.8	8.55	mg/Kg			11/22/21 16:40	10

Client Sample ID: S-2

Lab Sample ID: 890-1602-8

Date Collected: 11/18/21 11:00

Matrix: Solid

Date Received: 11/18/21 15:10

Sample Depth: 4

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		11/22/21 08:30	11/22/21 17:12	1
Toluene	0.000703	J	0.00199	0.000454	mg/Kg		11/22/21 08:30	11/22/21 17:12	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		11/22/21 08:30	11/22/21 17:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		11/22/21 08:30	11/22/21 17:12	1
o-Xylene	0.000482	J	0.00199	0.000343	mg/Kg		11/22/21 08:30	11/22/21 17:12	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		11/22/21 08:30	11/22/21 17:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	11/22/21 08:30	11/22/21 17:12	1
1,4-Difluorobenzene (Surr)	102		70 - 130	11/22/21 08:30	11/22/21 17:12	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	0.00101	mg/Kg			11/22/21 16:47	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			11/22/21 13:12	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

Client Sample ID: S-2

Lab Sample ID: 890-1602-8

Date Collected: 11/18/21 11:00

Matrix: Solid

Date Received: 11/18/21 15:10

Sample Depth: 4

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		11/22/21 08:30	11/22/21 18:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		11/22/21 08:30	11/22/21 18:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		11/22/21 08:30	11/22/21 18:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				11/22/21 08:30	11/22/21 18:36	1
o-Terphenyl	137	X	70 - 130				11/22/21 08:30	11/22/21 18:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4560		49.5	8.50	mg/Kg			11/22/21 16:48	10

Client Sample ID: S-3

Lab Sample ID: 890-1602-9

Date Collected: 11/18/21 11:03

Matrix: Solid

Date Received: 11/18/21 15:10

Sample Depth: 0 - 1

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		11/22/21 08:30	11/22/21 17:33	1
Toluene	<0.00201	U	0.00201	0.000459	mg/Kg		11/22/21 08:30	11/22/21 17:33	1
Ethylbenzene	<0.00201	U	0.00201	0.000568	mg/Kg		11/22/21 08:30	11/22/21 17:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00102	mg/Kg		11/22/21 08:30	11/22/21 17:33	1
o-Xylene	<0.00201	U	0.00201	0.000346	mg/Kg		11/22/21 08:30	11/22/21 17:33	1
Xylenes, Total	<0.00402	U	0.00402	0.00102	mg/Kg		11/22/21 08:30	11/22/21 17:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				11/22/21 08:30	11/22/21 17:33	1
1,4-Difluorobenzene (Surr)	84		70 - 130				11/22/21 08:30	11/22/21 17:33	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			11/22/21 16:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	48.0	J	50.0	15.0	mg/Kg			11/22/21 13:12	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		11/22/21 08:30	11/22/21 18:58	1
Diesel Range Organics (Over C10-C28)	48.0	J	50.0	15.0	mg/Kg		11/22/21 08:30	11/22/21 18:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		11/22/21 08:30	11/22/21 18:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				11/22/21 08:30	11/22/21 18:58	1
o-Terphenyl	136	X	70 - 130				11/22/21 08:30	11/22/21 18:58	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

Client Sample ID: S-3

Lab Sample ID: 890-1602-9

Date Collected: 11/18/21 11:03

Matrix: Solid

Date Received: 11/18/21 15:10

Sample Depth: 0 - 1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2790		25.3	4.33	mg/Kg			11/22/21 16:55	5

Client Sample ID: S-3

Lab Sample ID: 890-1602-10

Date Collected: 11/18/21 11:06

Matrix: Solid

Date Received: 11/18/21 15:10

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		11/22/21 08:30	11/22/21 17:53	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		11/22/21 08:30	11/22/21 17:53	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		11/22/21 08:30	11/22/21 17:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		11/22/21 08:30	11/22/21 17:53	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		11/22/21 08:30	11/22/21 17:53	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		11/22/21 08:30	11/22/21 17:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				11/22/21 08:30	11/22/21 17:53	1
1,4-Difluorobenzene (Surr)	80		70 - 130				11/22/21 08:30	11/22/21 17:53	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	0.00101	mg/Kg			11/22/21 16:47	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			11/23/21 08:35	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		11/22/21 08:30	11/22/21 19:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		11/22/21 08:30	11/22/21 19:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		11/22/21 08:30	11/22/21 19:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				11/22/21 08:30	11/22/21 19:19	1
o-Terphenyl	140	X	70 - 130				11/22/21 08:30	11/22/21 19:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10900		49.8	8.55	mg/Kg			11/22/21 17:03	10

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

Client Sample ID: S-3

Lab Sample ID: 890-1602-11

Date Collected: 11/18/21 11:09

Matrix: Solid

Date Received: 11/18/21 15:10

Sample Depth: 3

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		11/22/21 08:30	11/22/21 18:13	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		11/22/21 08:30	11/22/21 18:13	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		11/22/21 08:30	11/22/21 18:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		11/22/21 08:30	11/22/21 18:13	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		11/22/21 08:30	11/22/21 18:13	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		11/22/21 08:30	11/22/21 18:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	11/22/21 08:30	11/22/21 18:13	1
1,4-Difluorobenzene (Surr)	104		70 - 130	11/22/21 08:30	11/22/21 18:13	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	0.00100	mg/Kg			11/22/21 16:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	15.0	J	49.9	15.0	mg/Kg			11/23/21 08:35	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		11/23/21 08:57	11/23/21 12:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		11/23/21 08:57	11/23/21 12:47	1
Oil Range Organics (Over C28-C36)	15.0	J	49.9	15.0	mg/Kg		11/23/21 08:57	11/23/21 12:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	11/23/21 08:57	11/23/21 12:47	1
o-Terphenyl	113		70 - 130	11/23/21 08:57	11/23/21 12:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11300		99.8	17.1	mg/Kg			11/22/21 17:10	20

Client Sample ID: S-3

Lab Sample ID: 890-1602-12

Date Collected: 11/18/21 11:12

Matrix: Solid

Date Received: 11/18/21 15:10

Sample Depth: 4

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		11/22/21 08:30	11/22/21 18:34	1
Toluene	<0.00202	U	0.00202	0.000460	mg/Kg		11/22/21 08:30	11/22/21 18:34	1
Ethylbenzene	<0.00202	U	0.00202	0.000570	mg/Kg		11/22/21 08:30	11/22/21 18:34	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00102	mg/Kg		11/22/21 08:30	11/22/21 18:34	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		11/22/21 08:30	11/22/21 18:34	1
Xylenes, Total	<0.00403	U	0.00403	0.00102	mg/Kg		11/22/21 08:30	11/22/21 18:34	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

Client Sample ID: S-3

Lab Sample ID: 890-1602-12

Date Collected: 11/18/21 11:12

Matrix: Solid

Date Received: 11/18/21 15:10

Sample Depth: 4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	11/22/21 08:30	11/22/21 18:34	1
1,4-Difluorobenzene (Surr)	97		70 - 130	11/22/21 08:30	11/22/21 18:34	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			11/22/21 16:47	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			11/23/21 08:35	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		11/23/21 08:57	11/23/21 13:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		11/23/21 08:57	11/23/21 13:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		11/23/21 08:57	11/23/21 13:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				11/23/21 08:57	11/23/21 13:51	1
o-Terphenyl	113		70 - 130				11/23/21 08:57	11/23/21 13:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10900		101	17.3	mg/Kg			11/24/21 03:25	20

Client Sample ID: BG-1

Lab Sample ID: 890-1602-13

Date Collected: 11/18/21 13:00

Matrix: Solid

Date Received: 11/18/21 15:10

Sample Depth: 0

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		11/22/21 08:30	11/22/21 18:54	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		11/22/21 08:30	11/22/21 18:54	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		11/22/21 08:30	11/22/21 18:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		11/22/21 08:30	11/22/21 18:54	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		11/22/21 08:30	11/22/21 18:54	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		11/22/21 08:30	11/22/21 18:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	11/22/21 08:30	11/22/21 18:54	1
1,4-Difluorobenzene (Surr)	80		70 - 130	11/22/21 08:30	11/22/21 18:54	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			11/22/21 16:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	110		49.8	14.9	mg/Kg			11/23/21 08:35	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

Client Sample ID: BG-1

Lab Sample ID: 890-1602-13

Date Collected: 11/18/21 13:00

Matrix: Solid

Date Received: 11/18/21 15:10

Sample Depth: 0

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	17.2	J	49.8	14.9	mg/Kg		11/21/21 12:42	11/22/21 15:02	1
Diesel Range Organics (Over C10-C28)	61.0	b	49.8	14.9	mg/Kg		11/21/21 12:42	11/22/21 15:02	1
Oil Range Organics (Over C28-C36)	32.2	J b	49.8	14.9	mg/Kg		11/21/21 12:42	11/22/21 15:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	62	X	70 - 130				11/21/21 12:42	11/22/21 15:02	1
o-Terphenyl	61	X	70 - 130				11/21/21 12:42	11/22/21 15:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	585		4.97	0.853	mg/Kg			11/24/21 03:36	1

Client Sample ID: BG-2

Lab Sample ID: 890-1602-14

Date Collected: 11/18/21 11:18

Matrix: Solid

Date Received: 11/18/21 15:10

Sample Depth: 0

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000493	J	0.00200	0.000385	mg/Kg		11/22/21 08:30	11/22/21 19:15	1
Toluene	0.000939	J	0.00200	0.000456	mg/Kg		11/22/21 08:30	11/22/21 19:15	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		11/22/21 08:30	11/22/21 19:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		11/22/21 08:30	11/22/21 19:15	1
o-Xylene	0.000472	J	0.00200	0.000344	mg/Kg		11/22/21 08:30	11/22/21 19:15	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		11/22/21 08:30	11/22/21 19:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				11/22/21 08:30	11/22/21 19:15	1
1,4-Difluorobenzene (Surr)	94		70 - 130				11/22/21 08:30	11/22/21 19:15	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00190	J	0.00400	0.00101	mg/Kg			11/22/21 16:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	80.7		50.0	15.0	mg/Kg			11/23/21 08:35	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	34.7	J	50.0	15.0	mg/Kg		11/21/21 12:42	11/22/21 15:24	1
Diesel Range Organics (Over C10-C28)	16.6	J b	50.0	15.0	mg/Kg		11/21/21 12:42	11/22/21 15:24	1
Oil Range Organics (Over C28-C36)	29.4	J b	50.0	15.0	mg/Kg		11/21/21 12:42	11/22/21 15:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	56	X	70 - 130				11/21/21 12:42	11/22/21 15:24	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

Client Sample ID: BG-2

Lab Sample ID: 890-1602-14

Date Collected: 11/18/21 11:18

Matrix: Solid

Date Received: 11/18/21 15:10

Sample Depth: 0

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	51	X	70 - 130	11/21/21 12:42	11/22/21 15:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	253		4.95	0.850	mg/Kg			11/24/21 03:47	1

Client Sample ID: BG-3

Lab Sample ID: 890-1602-15

Date Collected: 11/18/21 13:30

Matrix: Solid

Date Received: 11/18/21 15:10

Sample Depth: 0

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		11/22/21 08:30	11/22/21 19:35	1
Toluene	<0.00198	U	0.00198	0.000452	mg/Kg		11/22/21 08:30	11/22/21 19:35	1
Ethylbenzene	<0.00198	U	0.00198	0.000561	mg/Kg		11/22/21 08:30	11/22/21 19:35	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	0.00100	mg/Kg		11/22/21 08:30	11/22/21 19:35	1
o-Xylene	0.000531	J	0.00198	0.000341	mg/Kg		11/22/21 08:30	11/22/21 19:35	1
Xylenes, Total	<0.00397	U	0.00397	0.00100	mg/Kg		11/22/21 08:30	11/22/21 19:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	11/22/21 08:30	11/22/21 19:35	1
1,4-Difluorobenzene (Surr)	81		70 - 130	11/22/21 08:30	11/22/21 19:35	1

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			11/22/21 16:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	44.0	J	49.9	15.0	mg/Kg			11/23/21 08:35	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	19.7	J	49.9	15.0	mg/Kg		11/21/21 12:42	11/22/21 15:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		11/21/21 12:42	11/22/21 15:45	1
Oil Range Organics (Over C28-C36)	24.3	J b	49.9	15.0	mg/Kg		11/21/21 12:42	11/22/21 15:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	54	X	70 - 130	11/21/21 12:42	11/22/21 15:45	1
o-Terphenyl	50	X	70 - 130	11/21/21 12:42	11/22/21 15:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.5		5.00	0.858	mg/Kg			11/24/21 03:59	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

Client Sample ID: BG-4

Lab Sample ID: 890-1602-16

Date Collected: 11/18/21 13:03

Matrix: Solid

Date Received: 11/18/21 15:10

Sample Depth: 0

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		11/22/21 08:30	11/22/21 19:55	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		11/22/21 08:30	11/22/21 19:55	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		11/22/21 08:30	11/22/21 19:55	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		11/22/21 08:30	11/22/21 19:55	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		11/22/21 08:30	11/22/21 19:55	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		11/22/21 08:30	11/22/21 19:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	11/22/21 08:30	11/22/21 19:55	1
1,4-Difluorobenzene (Surr)	77		70 - 130	11/22/21 08:30	11/22/21 19:55	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			11/22/21 16:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	49.8	J	50.0	15.0	mg/Kg			11/23/21 08:35	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		11/21/21 12:42	11/22/21 16:06	1
Diesel Range Organics (Over C10-C28)	25.6	J b	50.0	15.0	mg/Kg		11/21/21 12:42	11/22/21 16:06	1
Oil Range Organics (Over C28-C36)	24.2	J b	50.0	15.0	mg/Kg		11/21/21 12:42	11/22/21 16:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	11	X	70 - 130				11/21/21 12:42	11/22/21 16:06	1
o-Terphenyl	10	X	70 - 130				11/21/21 12:42	11/22/21 16:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	55.3		4.98	0.855	mg/Kg			11/24/21 04:33	1

Eurofins Xenco, Carlsbad

Surrogate Summary

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
890-1602-1	S-1	96	95
890-1602-2	S-1	101	109
890-1602-3	S-1	98	105
890-1602-4	S-1	106	114
890-1602-5	S-2	97	100
890-1602-6	S-2	113	112
890-1602-7	S-2	122	97
890-1602-8	S-2	122	102
890-1602-9	S-3	115	84
890-1602-10	S-3	108	80
890-1602-11	S-3	109	104
890-1602-12	S-3	120	97
890-1602-13	BG-1	115	80
890-1602-14	BG-2	122	94
890-1602-15	BG-3	112	81
890-1602-16	BG-4	126	77
890-1604-A-1-B MSD	Matrix Spike Duplicate	110	107
890-1604-A-1-E MS	Matrix Spike	106	109
890-1605-A-1-E MS	Matrix Spike	102	96
890-1605-A-1-F MSD	Matrix Spike Duplicate	101	95
LCS 880-12796/1-A	Lab Control Sample	104	107
LCS 880-12797/1-A	Lab Control Sample	93	76
LCSD 880-12796/2-A	Lab Control Sample Dup	106	108
LCSD 880-12797/2-A	Lab Control Sample Dup	106	96
MB 880-12796/5-A	Method Blank	109	95
MB 880-12797/5-A	Method Blank	108	90
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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-1602-1	S-1	116	125
890-1602-2	S-1	111	127
890-1602-3	S-1	112	132 X
890-1602-4	S-1	108	124
890-1602-5	S-2	107	106
890-1602-6	S-2	114	129
890-1602-7	S-2	113	131 X
890-1602-8	S-2	117	137 X
890-1602-9	S-3	121	136 X
890-1602-10	S-3	124	140 X
890-1602-11	S-3	111	113
890-1602-11 MS	S-3	97	88
890-1602-11 MSD	S-3	100	89

Eurofins Xenco, Carlsbad

Surrogate Summary

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-1602-12	S-3	113	113
890-1602-13	BG-1	62 X	61 X
890-1602-14	BG-2	56 X	51 X
890-1602-15	BG-3	54 X	50 X
890-1602-16	BG-4	11 X	10 X
890-1608-A-1-E MS	Matrix Spike	110	105
890-1608-A-1-F MSD	Matrix Spike Duplicate	106	111
890-1608-A-5-F MS	Matrix Spike	59 X	50 X
890-1608-A-5-F MSD	Matrix Spike Duplicate	60 X	58 X
LCS 880-12847/2-A	Lab Control Sample	108	114
LCS 880-12848/2-A	Lab Control Sample	297 X	281 X
LCS 880-13010/2-A	Lab Control Sample	309 X	300 X
LCSD 880-12847/3-A	Lab Control Sample Dup	97	106
LCSD 880-12848/3-A	Lab Control Sample Dup	299 X	277 X
LCSD 880-13010/3-A	Lab Control Sample Dup	301 X	292 X
MB 880-12847/1-A	Method Blank	132 X	148 X
MB 880-12848/1-A	Method Blank	128	130
MB 880-13010/1-A	Method Blank	141 X	141 X

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-12796/5-A

Matrix: Solid

Analysis Batch: 12902

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 12796

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		11/22/21 08:30	11/22/21 12:05	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		11/22/21 08:30	11/22/21 12:05	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		11/22/21 08:30	11/22/21 12:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		11/22/21 08:30	11/22/21 12:05	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		11/22/21 08:30	11/22/21 12:05	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		11/22/21 08:30	11/22/21 12:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	11/22/21 08:30	11/22/21 12:05	1
1,4-Difluorobenzene (Surr)	95		70 - 130	11/22/21 08:30	11/22/21 12:05	1

Lab Sample ID: LCS 880-12796/1-A

Matrix: Solid

Analysis Batch: 12902

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 12796

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1018		mg/Kg		102	70 - 130
Toluene	0.100	0.09108		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.08837		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	0.200	0.1832		mg/Kg		92	70 - 130
o-Xylene	0.100	0.09141		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-12796/2-A

Matrix: Solid

Analysis Batch: 12902

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 12796

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09500		mg/Kg		95	70 - 130	7	35
Toluene	0.100	0.08552		mg/Kg		86	70 - 130	6	35
Ethylbenzene	0.100	0.08678		mg/Kg		87	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1798		mg/Kg		90	70 - 130	2	35
o-Xylene	0.100	0.08882		mg/Kg		89	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 890-1604-A-1-B MSD

Matrix: Solid

Analysis Batch: 12902

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 12796

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.000577	J	0.0994	0.08173		mg/Kg		82	70 - 130	12	35
Toluene	0.00136	J	0.0994	0.07197		mg/Kg		71	70 - 130	19	35

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

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

Lab Sample ID: 890-1604-A-1-B MSD

Matrix: Solid

Analysis Batch: 12902

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 12796

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene	<0.00201	U	0.0994	0.06480	N1	mg/Kg		65	70 - 130	14	35
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1341	N1	mg/Kg		67	70 - 130	18	35
o-Xylene	0.000684	J	0.0994	0.06690	N1	mg/Kg		67	70 - 130	20	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 890-1604-A-1-E MS

Matrix: Solid

Analysis Batch: 12902

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 12796

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.000577	J	0.100	0.07245		mg/Kg		72	70 - 130
Toluene	0.00136	J	0.100	0.05964	N1	mg/Kg		58	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.05615	N1	mg/Kg		56	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1118	N1	mg/Kg		56	70 - 130
o-Xylene	0.000684	J	0.100	0.05493	N1	mg/Kg		54	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: MB 880-12797/5-A

Matrix: Solid

Analysis Batch: 12903

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 12797

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		11/22/21 10:00	11/22/21 13:46	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		11/22/21 10:00	11/22/21 13:46	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		11/22/21 10:00	11/22/21 13:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		11/22/21 10:00	11/22/21 13:46	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		11/22/21 10:00	11/22/21 13:46	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		11/22/21 10:00	11/22/21 13:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	11/22/21 10:00	11/22/21 13:46	1
1,4-Difluorobenzene (Surr)	90		70 - 130	11/22/21 10:00	11/22/21 13:46	1

Lab Sample ID: LCS 880-12797/1-A

Matrix: Solid

Analysis Batch: 12903

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 12797

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08334		mg/Kg		83	70 - 130
Toluene	0.100	0.08700		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.08508		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	0.200	0.1602		mg/Kg		80	70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

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

Lab Sample ID: LCS 880-12797/1-A

Matrix: Solid

Analysis Batch: 12903

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 12797

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	0.100	0.08475		mg/Kg		85	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	76		70 - 130

Lab Sample ID: LCSD 880-12797/2-A

Matrix: Solid

Analysis Batch: 12903

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 12797

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08320		mg/Kg		83	70 - 130	0	35
Toluene	0.100	0.09312		mg/Kg		93	70 - 130	7	35
Ethylbenzene	0.100	0.1027		mg/Kg		103	70 - 130	19	35
m-Xylene & p-Xylene	0.200	0.1878		mg/Kg		94	70 - 130	16	35
o-Xylene	0.100	0.09218		mg/Kg		92	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-1605-A-1-E MS

Matrix: Solid

Analysis Batch: 12903

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 12797

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U	0.0992	0.06875	N1	mg/Kg		69	70 - 130
Toluene	<0.00199	U	0.0992	0.06482	N1	mg/Kg		65	70 - 130
Ethylbenzene	<0.00199	U	0.0992	0.0006928	J N1	mg/Kg		0.7	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1308	N1	mg/Kg		66	70 - 130
o-Xylene	0.00129	J	0.0992	0.06654	N1	mg/Kg		66	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-1605-A-1-F MSD

Matrix: Solid

Analysis Batch: 12903

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 12797

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0998	0.07061		mg/Kg		71	70 - 130	3	35
Toluene	<0.00199	U	0.0998	0.06947		mg/Kg		70	70 - 130	7	35
Ethylbenzene	<0.00199	U	0.0998	0.07297	N2	mg/Kg		73	70 - 130	196	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1427		mg/Kg		71	70 - 130	9	35
o-Xylene	0.00129	J	0.0998	0.07214		mg/Kg		71	70 - 130	8	35

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

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

Lab Sample ID: 890-1605-A-1-F MSD

Matrix: Solid

Analysis Batch: 12903

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 12797

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

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

Lab Sample ID: MB 880-12847/1-A

Matrix: Solid

Analysis Batch: 12853

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 12847

	MB	MB								
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		11/22/21 08:30	11/22/21 10:19	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		11/22/21 08:30	11/22/21 10:19	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		11/22/21 08:30	11/22/21 10:19	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	132	X	70 - 130				11/22/21 08:30	11/22/21 10:19	1	
o-Terphenyl	148	X	70 - 130				11/22/21 08:30	11/22/21 10:19	1	

Lab Sample ID: LCS 880-12847/2-A

Matrix: Solid

Analysis Batch: 12853

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 12847

	Spike	LCS	LCS						%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Gasoline Range Organics (GRO)-C6-C10	1000	861.4		mg/Kg		86	70 - 130			
Diesel Range Organics (Over C10-C28)	1000	1120		mg/Kg		112	70 - 130			
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	108		70 - 130							
o-Terphenyl	114		70 - 130							

Lab Sample ID: LCSD 880-12847/3-A

Matrix: Solid

Analysis Batch: 12853

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 12847

	Spike	LCSD	LCSD					%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	1000	837.9		mg/Kg		84	70 - 130	3	20	
Diesel Range Organics (Over C10-C28)	1000	1057		mg/Kg		106	70 - 130	6	20	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	97		70 - 130							
o-Terphenyl	106		70 - 130							

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

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

Lab Sample ID: 890-1608-A-1-E MS

Matrix: Solid

Analysis Batch: 12853

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 12847

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	1040		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	16.4	J	999	1010		mg/Kg		100	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	110		70 - 130						
o-Terphenyl	105		70 - 130						

Lab Sample ID: 890-1608-A-1-F MSD

Matrix: Solid

Analysis Batch: 12853

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 12847

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	1033		mg/Kg		104	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	16.4	J	998	1064		mg/Kg		105	70 - 130	5	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	106		70 - 130								
o-Terphenyl	111		70 - 130								

Lab Sample ID: MB 880-12848/1-A

Matrix: Solid

Analysis Batch: 12855

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 12848

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		11/21/21 12:42	11/22/21 10:19	1
Diesel Range Organics (Over C10-C28)	16.68	J	50.0	15.0	mg/Kg		11/21/21 12:42	11/22/21 10:19	1
Oil Range Organics (Over C28-C36)	22.21	J	50.0	15.0	mg/Kg		11/21/21 12:42	11/22/21 10:19	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				11/21/21 12:42	11/22/21 10:19	1
o-Terphenyl	130		70 - 130				11/21/21 12:42	11/22/21 10:19	1

Lab Sample ID: LCS 880-12848/2-A

Matrix: Solid

Analysis Batch: 12855

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 12848

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1500	1122		mg/Kg		75	70 - 130
Diesel Range Organics (Over C10-C28)	1500	900.0	*	mg/Kg		60	70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

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

Lab Sample ID: LCS 880-12848/2-A

Matrix: Solid

Analysis Batch: 12855

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 12848

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	297	X	70 - 130
o-Terphenyl	281	X	70 - 130

Lab Sample ID: LCSD 880-12848/3-A

Matrix: Solid

Analysis Batch: 12855

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 12848

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1500	1149		mg/Kg		77	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1500	889.2	*	mg/Kg		59	70 - 130	1	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	299	X	70 - 130
o-Terphenyl	277	X	70 - 130

Lab Sample ID: 890-1608-A-5-F MS

Matrix: Solid

Analysis Batch: 12855

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 12848

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	32.0	J	499	1262	N1	mg/Kg		246	70 - 130		
Diesel Range Organics (Over C10-C28)	26.5	J b *	499	1122	N1	mg/Kg		220	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	59	X	70 - 130
o-Terphenyl	50	X	70 - 130

Lab Sample ID: 890-1608-A-5-F MSD

Matrix: Solid

Analysis Batch: 12855

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 12848

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	32.0	J	499	396.3	N2	mg/Kg		73	70 - 130	104	20
Diesel Range Organics (Over C10-C28)	26.5	J b *	499	78.61	N1 N2	mg/Kg		10	70 - 130	174	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	60	X	70 - 130
o-Terphenyl	58	X	70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

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

Lab Sample ID: MB 880-13010/1-A

Matrix: Solid

Analysis Batch: 13046

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13010

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		11/23/21 08:57	11/23/21 11:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		11/23/21 08:57	11/23/21 11:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		11/23/21 08:57	11/23/21 11:43	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	X	70 - 130				11/23/21 08:57	11/23/21 11:43	1
o-Terphenyl	141	X	70 - 130				11/23/21 08:57	11/23/21 11:43	1

Lab Sample ID: LCS 880-13010/2-A

Matrix: Solid

Analysis Batch: 13046

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13010

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1147		mg/Kg		115	70 - 130
Diesel Range Organics (Over C10-C28)	1000	972.6		mg/Kg		97	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	309	X	70 - 130				
o-Terphenyl	300	X	70 - 130				

Lab Sample ID: LCSD 880-13010/3-A

Matrix: Solid

Analysis Batch: 13046

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 13010

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1237		mg/Kg		124	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	940.4		mg/Kg		94	70 - 130	3	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	301	X	70 - 130						
o-Terphenyl	292	X	70 - 130						

Lab Sample ID: 890-1602-11 MS

Matrix: Solid

Analysis Batch: 13046

Client Sample ID: S-3

Prep Type: Total/NA

Prep Batch: 13010

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1281		mg/Kg		129	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1005		mg/Kg		101	70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

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

Lab Sample ID: 890-1602-11 MS

Matrix: Solid

Analysis Batch: 13046

Client Sample ID: S-3

Prep Type: Total/NA

Prep Batch: 13010

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	88		70 - 130

Lab Sample ID: 890-1602-11 MSD

Matrix: Solid

Analysis Batch: 13046

Client Sample ID: S-3

Prep Type: Total/NA

Prep Batch: 13010

	Sample	Sample	Spike	MSD	MSD				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1182		mg/Kg		118	70 - 130	8
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1033		mg/Kg		103	70 - 130	3
	MSD	MSD								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	100		70 - 130							
o-Terphenyl	89		70 - 130							

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-12936/1-A

Matrix: Solid

Analysis Batch: 12958

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<5.00	U	5.00	0.858	mg/Kg			11/22/21 14:42	1	

Lab Sample ID: LCS 880-12936/2-A

Matrix: Solid

Analysis Batch: 12958

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	250	263.7		mg/Kg		105	90 - 110		

Lab Sample ID: LCSD 880-12936/3-A

Matrix: Solid

Analysis Batch: 12958

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

	Spike	LCSD	LCSD					%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	264.5		mg/Kg		106	90 - 110	0	20	

Lab Sample ID: 890-1602-2 MS

Matrix: Solid

Analysis Batch: 12958

Client Sample ID: S-1

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	1490		1250	2662		mg/Kg		94	90 - 110	

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-1602-2 MSD

Matrix: Solid

Analysis Batch: 12958

Client Sample ID: S-1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1490		1250	2663		mg/Kg		94	90 - 110	0	20

Lab Sample ID: MB 880-12928/1-A

Matrix: Solid

Analysis Batch: 12959

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			11/22/21 22:11	1

Lab Sample ID: LCS 880-12928/2-A

Matrix: Solid

Analysis Batch: 12959

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	268.8		mg/Kg		108	90 - 110

Lab Sample ID: LCSD 880-12928/3-A

Matrix: Solid

Analysis Batch: 12959

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	269.5		mg/Kg		108	90 - 110	0	20

Lab Sample ID: 880-8541-A-11-G MS

Matrix: Solid

Analysis Batch: 12959

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	172		248	423.9		mg/Kg		102	90 - 110

Lab Sample ID: 880-8541-A-11-H MSD

Matrix: Solid

Analysis Batch: 12959

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	172		248	423.5		mg/Kg		101	90 - 110	0	20

Lab Sample ID: MB 880-12937/1-A

Matrix: Solid

Analysis Batch: 13165

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			11/24/21 02:16	1

Lab Sample ID: LCS 880-12937/2-A

Matrix: Solid

Analysis Batch: 13165

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	260.4		mg/Kg		104	90 - 110

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-12937/3-A

Matrix: Solid

Analysis Batch: 13165

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	259.8		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-8540-A-28-D MS

Matrix: Solid

Analysis Batch: 13165

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	26500		12500	39270		mg/Kg		102	90 - 110		

Lab Sample ID: 880-8540-A-28-E MSD

Matrix: Solid

Analysis Batch: 13165

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	26500		12500	39230		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-8571-A-1-B MS

Matrix: Solid

Analysis Batch: 13165

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	7.24		252	267.2		mg/Kg		103	90 - 110		

Lab Sample ID: 880-8571-A-1-C MSD

Matrix: Solid

Analysis Batch: 13165

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	7.24		252	266.7		mg/Kg		103	90 - 110	0	20

QC Association Summary

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

GC VOA

Prep Batch: 12796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1602-7	S-2	Total/NA	Solid	5035	
890-1602-8	S-2	Total/NA	Solid	5035	
890-1602-9	S-3	Total/NA	Solid	5035	
890-1602-10	S-3	Total/NA	Solid	5035	
890-1602-11	S-3	Total/NA	Solid	5035	
890-1602-12	S-3	Total/NA	Solid	5035	
890-1602-13	BG-1	Total/NA	Solid	5035	
890-1602-14	BG-2	Total/NA	Solid	5035	
890-1602-15	BG-3	Total/NA	Solid	5035	
890-1602-16	BG-4	Total/NA	Solid	5035	
MB 880-12796/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-12796/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-12796/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1604-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	
890-1604-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	

Prep Batch: 12797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1602-1	S-1	Total/NA	Solid	5035	
890-1602-2	S-1	Total/NA	Solid	5035	
890-1602-3	S-1	Total/NA	Solid	5035	
890-1602-4	S-1	Total/NA	Solid	5035	
890-1602-5	S-2	Total/NA	Solid	5035	
890-1602-6	S-2	Total/NA	Solid	5035	
MB 880-12797/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-12797/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-12797/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1605-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
890-1605-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 12902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1602-7	S-2	Total/NA	Solid	8021B	12796
890-1602-8	S-2	Total/NA	Solid	8021B	12796
890-1602-9	S-3	Total/NA	Solid	8021B	12796
890-1602-10	S-3	Total/NA	Solid	8021B	12796
890-1602-11	S-3	Total/NA	Solid	8021B	12796
890-1602-12	S-3	Total/NA	Solid	8021B	12796
890-1602-13	BG-1	Total/NA	Solid	8021B	12796
890-1602-14	BG-2	Total/NA	Solid	8021B	12796
890-1602-15	BG-3	Total/NA	Solid	8021B	12796
890-1602-16	BG-4	Total/NA	Solid	8021B	12796
MB 880-12796/5-A	Method Blank	Total/NA	Solid	8021B	12796
LCS 880-12796/1-A	Lab Control Sample	Total/NA	Solid	8021B	12796
LCSD 880-12796/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	12796
890-1604-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	12796
890-1604-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	12796

Analysis Batch: 12903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1602-1	S-1	Total/NA	Solid	8021B	12797

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QC Association Summary

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

GC VOA (Continued)

Analysis Batch: 12903 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1602-2	S-1	Total/NA	Solid	8021B	12797
890-1602-3	S-1	Total/NA	Solid	8021B	12797
890-1602-4	S-1	Total/NA	Solid	8021B	12797
890-1602-5	S-2	Total/NA	Solid	8021B	12797
890-1602-6	S-2	Total/NA	Solid	8021B	12797
MB 880-12797/5-A	Method Blank	Total/NA	Solid	8021B	12797
LCS 880-12797/1-A	Lab Control Sample	Total/NA	Solid	8021B	12797
LCSD 880-12797/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	12797
890-1605-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	12797
890-1605-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	12797

Analysis Batch: 12945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1602-1	S-1	Total/NA	Solid	Total BTEX	
890-1602-2	S-1	Total/NA	Solid	Total BTEX	
890-1602-3	S-1	Total/NA	Solid	Total BTEX	
890-1602-4	S-1	Total/NA	Solid	Total BTEX	
890-1602-5	S-2	Total/NA	Solid	Total BTEX	
890-1602-6	S-2	Total/NA	Solid	Total BTEX	
890-1602-7	S-2	Total/NA	Solid	Total BTEX	
890-1602-8	S-2	Total/NA	Solid	Total BTEX	
890-1602-9	S-3	Total/NA	Solid	Total BTEX	
890-1602-10	S-3	Total/NA	Solid	Total BTEX	
890-1602-11	S-3	Total/NA	Solid	Total BTEX	
890-1602-12	S-3	Total/NA	Solid	Total BTEX	
890-1602-13	BG-1	Total/NA	Solid	Total BTEX	
890-1602-14	BG-2	Total/NA	Solid	Total BTEX	
890-1602-15	BG-3	Total/NA	Solid	Total BTEX	
890-1602-16	BG-4	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 12781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1602-1	S-1	Total/NA	Solid	8015 NM	
890-1602-2	S-1	Total/NA	Solid	8015 NM	
890-1602-3	S-1	Total/NA	Solid	8015 NM	
890-1602-4	S-1	Total/NA	Solid	8015 NM	
890-1602-5	S-2	Total/NA	Solid	8015 NM	
890-1602-6	S-2	Total/NA	Solid	8015 NM	
890-1602-7	S-2	Total/NA	Solid	8015 NM	
890-1602-8	S-2	Total/NA	Solid	8015 NM	
890-1602-9	S-3	Total/NA	Solid	8015 NM	
890-1602-10	S-3	Total/NA	Solid	8015 NM	
890-1602-11	S-3	Total/NA	Solid	8015 NM	
890-1602-12	S-3	Total/NA	Solid	8015 NM	
890-1602-13	BG-1	Total/NA	Solid	8015 NM	
890-1602-14	BG-2	Total/NA	Solid	8015 NM	
890-1602-15	BG-3	Total/NA	Solid	8015 NM	
890-1602-16	BG-4	Total/NA	Solid	8015 NM	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

GC Semi VOA

Prep Batch: 12847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1602-1	S-1	Total/NA	Solid	8015NM Prep	
890-1602-2	S-1	Total/NA	Solid	8015NM Prep	
890-1602-3	S-1	Total/NA	Solid	8015NM Prep	
890-1602-4	S-1	Total/NA	Solid	8015NM Prep	
890-1602-6	S-2	Total/NA	Solid	8015NM Prep	
890-1602-7	S-2	Total/NA	Solid	8015NM Prep	
890-1602-8	S-2	Total/NA	Solid	8015NM Prep	
890-1602-9	S-3	Total/NA	Solid	8015NM Prep	
890-1602-10	S-3	Total/NA	Solid	8015NM Prep	
MB 880-12847/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-12847/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-12847/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1608-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1608-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 12848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1602-13	BG-1	Total/NA	Solid	8015NM Prep	
890-1602-14	BG-2	Total/NA	Solid	8015NM Prep	
890-1602-15	BG-3	Total/NA	Solid	8015NM Prep	
890-1602-16	BG-4	Total/NA	Solid	8015NM Prep	
MB 880-12848/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-12848/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-12848/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1608-A-5-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1608-A-5-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 12853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1602-1	S-1	Total/NA	Solid	8015B NM	12847
890-1602-2	S-1	Total/NA	Solid	8015B NM	12847
890-1602-3	S-1	Total/NA	Solid	8015B NM	12847
890-1602-4	S-1	Total/NA	Solid	8015B NM	12847
890-1602-6	S-2	Total/NA	Solid	8015B NM	12847
890-1602-7	S-2	Total/NA	Solid	8015B NM	12847
890-1602-8	S-2	Total/NA	Solid	8015B NM	12847
890-1602-9	S-3	Total/NA	Solid	8015B NM	12847
890-1602-10	S-3	Total/NA	Solid	8015B NM	12847
MB 880-12847/1-A	Method Blank	Total/NA	Solid	8015B NM	12847
LCS 880-12847/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	12847
LCSD 880-12847/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	12847
890-1608-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	12847
890-1608-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	12847

Analysis Batch: 12855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1602-13	BG-1	Total/NA	Solid	8015B NM	12848
890-1602-14	BG-2	Total/NA	Solid	8015B NM	12848
890-1602-15	BG-3	Total/NA	Solid	8015B NM	12848
890-1602-16	BG-4	Total/NA	Solid	8015B NM	12848
MB 880-12848/1-A	Method Blank	Total/NA	Solid	8015B NM	12848

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QC Association Summary

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

GC Semi VOA (Continued)

Analysis Batch: 12855 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-12848/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	12848
LCSD 880-12848/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	12848
890-1608-A-5-F MS	Matrix Spike	Total/NA	Solid	8015B NM	12848
890-1608-A-5-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	12848

Prep Batch: 13010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1602-5	S-2	Total/NA	Solid	8015NM Prep	
890-1602-11	S-3	Total/NA	Solid	8015NM Prep	
890-1602-12	S-3	Total/NA	Solid	8015NM Prep	
MB 880-13010/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-13010/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-13010/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1602-11 MS	S-3	Total/NA	Solid	8015NM Prep	
890-1602-11 MSD	S-3	Total/NA	Solid	8015NM Prep	

Analysis Batch: 13046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1602-5	S-2	Total/NA	Solid	8015B NM	13010
890-1602-11	S-3	Total/NA	Solid	8015B NM	13010
890-1602-12	S-3	Total/NA	Solid	8015B NM	13010
MB 880-13010/1-A	Method Blank	Total/NA	Solid	8015B NM	13010
LCS 880-13010/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	13010
LCSD 880-13010/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	13010
890-1602-11 MS	S-3	Total/NA	Solid	8015B NM	13010
890-1602-11 MSD	S-3	Total/NA	Solid	8015B NM	13010

HPLC/IC

Leach Batch: 12928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1602-1	S-1	Soluble	Solid	DI Leach	
MB 880-12928/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-12928/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-12928/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-8541-A-11-G MS	Matrix Spike	Soluble	Solid	DI Leach	
880-8541-A-11-H MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 12936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1602-2	S-1	Soluble	Solid	DI Leach	
890-1602-3	S-1	Soluble	Solid	DI Leach	
890-1602-4	S-1	Soluble	Solid	DI Leach	
890-1602-5	S-2	Soluble	Solid	DI Leach	
890-1602-6	S-2	Soluble	Solid	DI Leach	
890-1602-7	S-2	Soluble	Solid	DI Leach	
890-1602-8	S-2	Soluble	Solid	DI Leach	
890-1602-9	S-3	Soluble	Solid	DI Leach	
890-1602-10	S-3	Soluble	Solid	DI Leach	
890-1602-11	S-3	Soluble	Solid	DI Leach	
MB 880-12936/1-A	Method Blank	Soluble	Solid	DI Leach	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

HPLC/IC (Continued)

Leach Batch: 12936 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-12936/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-12936/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1602-2 MS	S-1	Soluble	Solid	DI Leach	
890-1602-2 MSD	S-1	Soluble	Solid	DI Leach	

Leach Batch: 12937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1602-12	S-3	Soluble	Solid	DI Leach	
890-1602-13	BG-1	Soluble	Solid	DI Leach	
890-1602-14	BG-2	Soluble	Solid	DI Leach	
890-1602-15	BG-3	Soluble	Solid	DI Leach	
890-1602-16	BG-4	Soluble	Solid	DI Leach	
MB 880-12937/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-12937/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-12937/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-8540-A-28-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-8540-A-28-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-8571-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-8571-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 12958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1602-2	S-1	Soluble	Solid	300.0	12936
890-1602-3	S-1	Soluble	Solid	300.0	12936
890-1602-4	S-1	Soluble	Solid	300.0	12936
890-1602-5	S-2	Soluble	Solid	300.0	12936
890-1602-6	S-2	Soluble	Solid	300.0	12936
890-1602-7	S-2	Soluble	Solid	300.0	12936
890-1602-8	S-2	Soluble	Solid	300.0	12936
890-1602-9	S-3	Soluble	Solid	300.0	12936
890-1602-10	S-3	Soluble	Solid	300.0	12936
890-1602-11	S-3	Soluble	Solid	300.0	12936
MB 880-12936/1-A	Method Blank	Soluble	Solid	300.0	12936
LCS 880-12936/2-A	Lab Control Sample	Soluble	Solid	300.0	12936
LCSD 880-12936/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	12936
890-1602-2 MS	S-1	Soluble	Solid	300.0	12936
890-1602-2 MSD	S-1	Soluble	Solid	300.0	12936

Analysis Batch: 12959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1602-1	S-1	Soluble	Solid	300.0	12928
MB 880-12928/1-A	Method Blank	Soluble	Solid	300.0	12928
LCS 880-12928/2-A	Lab Control Sample	Soluble	Solid	300.0	12928
LCSD 880-12928/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	12928
880-8541-A-11-G MS	Matrix Spike	Soluble	Solid	300.0	12928
880-8541-A-11-H MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	12928

Analysis Batch: 13165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1602-12	S-3	Soluble	Solid	300.0	12937
890-1602-13	BG-1	Soluble	Solid	300.0	12937

Eurofins Xenco, Carlsbad

QC Association Summary

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

HPLC/IC (Continued)

Analysis Batch: 13165 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1602-14	BG-2	Soluble	Solid	300.0	12937
890-1602-15	BG-3	Soluble	Solid	300.0	12937
890-1602-16	BG-4	Soluble	Solid	300.0	12937
MB 880-12937/1-A	Method Blank	Soluble	Solid	300.0	12937
LCS 880-12937/2-A	Lab Control Sample	Soluble	Solid	300.0	12937
LCSD 880-12937/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	12937
880-8540-A-28-D MS	Matrix Spike	Soluble	Solid	300.0	12937
880-8540-A-28-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	12937
880-8571-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	12937
880-8571-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	12937

Lab Chronicle

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

Client Sample ID: S-1

Lab Sample ID: 890-1602-1

Date Collected: 11/18/21 10:25

Matrix: Solid

Date Received: 11/18/21 15:10

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	12797	11/22/21 10:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12903	11/22/21 15:30	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/22/21 16:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/22/21 13:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10.01 mL	12847	11/22/21 08:30	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			12853	11/22/21 15:45	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	12928	11/22/21 11:54	CA	XEN MID
Soluble	Analysis	300.0		5			12959	11/23/21 06:02	SC	XEN MID

Client Sample ID: S-1

Lab Sample ID: 890-1602-2

Date Collected: 11/18/21 10:30

Matrix: Solid

Date Received: 11/18/21 15:10

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	12797	11/22/21 10:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12903	11/22/21 15:51	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/22/21 16:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/22/21 13:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10.01 mL	12847	11/22/21 08:30	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			12853	11/22/21 16:06	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	12936	11/22/21 12:15	CA	XEN MID
Soluble	Analysis	300.0		5			12958	11/22/21 15:34	SC	XEN MID

Client Sample ID: S-1

Lab Sample ID: 890-1602-3

Date Collected: 11/18/21 10:35

Matrix: Solid

Date Received: 11/18/21 15:10

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	12797	11/22/21 10:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12903	11/22/21 16:11	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/22/21 16:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/22/21 13:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10.02 mL	12847	11/22/21 08:30	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			12853	11/22/21 16:49	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	12936	11/22/21 12:15	CA	XEN MID
Soluble	Analysis	300.0		1			12958	11/22/21 15:56	SC	XEN MID

Client Sample ID: S-1

Lab Sample ID: 890-1602-4

Date Collected: 11/18/21 10:40

Matrix: Solid

Date Received: 11/18/21 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	12797	11/22/21 10:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12903	11/22/21 16:32	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/22/21 16:47	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

Client Sample ID: S-1

Lab Sample ID: 890-1602-4

Date Collected: 11/18/21 10:40

Matrix: Solid

Date Received: 11/18/21 15:10

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			12781	11/22/21 13:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10.03 mL	12847	11/22/21 08:30	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			12853	11/22/21 17:11	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	12936	11/22/21 12:15	CA	XEN MID
Soluble	Analysis	300.0		1			12958	11/22/21 16:04	SC	XEN MID

Client Sample ID: S-2

Lab Sample ID: 890-1602-5

Date Collected: 11/18/21 10:45

Matrix: Solid

Date Received: 11/18/21 15:10

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	12797	11/22/21 10:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12903	11/22/21 16:53	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/22/21 16:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/22/21 13:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	13010	11/23/21 08:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13046	11/23/21 14:35	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	12936	11/22/21 12:15	CA	XEN MID
Soluble	Analysis	300.0		5			12958	11/22/21 16:11	SC	XEN MID

Client Sample ID: S-2

Lab Sample ID: 890-1602-6

Date Collected: 11/18/21 10:50

Matrix: Solid

Date Received: 11/18/21 15:10

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	12797	11/22/21 10:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12903	11/22/21 17:13	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/22/21 16:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/22/21 13:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10.02 mL	12847	11/22/21 08:30	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			12853	11/22/21 17:53	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	12936	11/22/21 12:15	CA	XEN MID
Soluble	Analysis	300.0		10			12958	11/22/21 16:18	SC	XEN MID

Client Sample ID: S-2

Lab Sample ID: 890-1602-7

Date Collected: 11/18/21 10:55

Matrix: Solid

Date Received: 11/18/21 15:10

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	12796	11/22/21 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12902	11/22/21 16:52	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/22/21 16:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/22/21 13:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10.02 mL	12847	11/22/21 08:30	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			12853	11/22/21 18:14	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

Client Sample ID: S-2

Date Collected: 11/18/21 10:55

Date Received: 11/18/21 15:10

Lab Sample ID: 890-1602-7

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			5.02 g	50 mL	12936	11/22/21 12:15	CA	XEN MID
Soluble	Analysis	300.0		10			12958	11/22/21 16:40	SC	XEN MID

Client Sample ID: S-2

Date Collected: 11/18/21 11:00

Date Received: 11/18/21 15:10

Lab Sample ID: 890-1602-8

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			5.02 g	5 mL	12796	11/22/21 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12902	11/22/21 17:12	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/22/21 16:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/22/21 13:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10.01 mL	12847	11/22/21 08:30	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			12853	11/22/21 18:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	12936	11/22/21 12:15	CA	XEN MID
Soluble	Analysis	300.0		10			12958	11/22/21 16:48	SC	XEN MID

Client Sample ID: S-3

Date Collected: 11/18/21 11:03

Date Received: 11/18/21 15:10

Lab Sample ID: 890-1602-9

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			4.97 g	5 mL	12796	11/22/21 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12902	11/22/21 17:33	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/22/21 16:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/22/21 13:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10.02 mL	12847	11/22/21 08:30	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			12853	11/22/21 18:58	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	12936	11/22/21 12:15	CA	XEN MID
Soluble	Analysis	300.0		5			12958	11/22/21 16:55	SC	XEN MID

Client Sample ID: S-3

Date Collected: 11/18/21 11:06

Date Received: 11/18/21 15:10

Lab Sample ID: 890-1602-10

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			5.00 g	5 mL	12796	11/22/21 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12902	11/22/21 17:53	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/22/21 16:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/23/21 08:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10.03 mL	12847	11/22/21 08:30	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			12853	11/22/21 19:19	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	12936	11/22/21 12:15	CA	XEN MID
Soluble	Analysis	300.0		10			12958	11/22/21 17:03	SC	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

Client Sample ID: S-3

Lab Sample ID: 890-1602-11

Date Collected: 11/18/21 11:09

Matrix: Solid

Date Received: 11/18/21 15:10

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	12796	11/22/21 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12902	11/22/21 18:13	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/22/21 16:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/23/21 08:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13010	11/23/21 08:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13046	11/23/21 12:47	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	12936	11/22/21 12:15	CA	XEN MID
Soluble	Analysis	300.0		20			12958	11/22/21 17:10	SC	XEN MID

Client Sample ID: S-3

Lab Sample ID: 890-1602-12

Date Collected: 11/18/21 11:12

Matrix: Solid

Date Received: 11/18/21 15:10

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	12796	11/22/21 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12902	11/22/21 18:34	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/22/21 16:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/23/21 08:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	13010	11/23/21 08:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13046	11/23/21 13:51	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	12937	11/22/21 12:26	CA	XEN MID
Soluble	Analysis	300.0		20			13165	11/24/21 03:25	SC	XEN MID

Client Sample ID: BG-1

Lab Sample ID: 890-1602-13

Date Collected: 11/18/21 13:00

Matrix: Solid

Date Received: 11/18/21 15:10

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	12796	11/22/21 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12902	11/22/21 18:54	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/22/21 16:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/23/21 08:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	12848	11/21/21 12:42	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			12855	11/22/21 15:02	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	12937	11/22/21 12:26	CA	XEN MID
Soluble	Analysis	300.0		1			13165	11/24/21 03:36	SC	XEN MID

Client Sample ID: BG-2

Lab Sample ID: 890-1602-14

Date Collected: 11/18/21 11:18

Matrix: Solid

Date Received: 11/18/21 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	12796	11/22/21 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12902	11/22/21 19:15	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/22/21 16:47	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

Client Sample ID: BG-2

Lab Sample ID: 890-1602-14

Date Collected: 11/18/21 11:18

Matrix: Solid

Date Received: 11/18/21 15:10

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			12781	11/23/21 08:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	12848	11/21/21 12:42	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			12855	11/22/21 15:24	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	12937	11/22/21 12:26	CA	XEN MID
Soluble	Analysis	300.0		1			13165	11/24/21 03:47	SC	XEN MID

Client Sample ID: BG-3

Lab Sample ID: 890-1602-15

Date Collected: 11/18/21 13:30

Matrix: Solid

Date Received: 11/18/21 15:10

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	12796	11/22/21 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12902	11/22/21 19:35	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/22/21 16:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/23/21 08:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	12848	11/21/21 12:42	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			12855	11/22/21 15:45	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	12937	11/22/21 12:26	CA	XEN MID
Soluble	Analysis	300.0		1			13165	11/24/21 03:59	SC	XEN MID

Client Sample ID: BG-4

Lab Sample ID: 890-1602-16

Date Collected: 11/18/21 13:03

Matrix: Solid

Date Received: 11/18/21 15:10

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	12796	11/22/21 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12902	11/22/21 19:55	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/22/21 16:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/23/21 08:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	12848	11/21/21 12:42	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			12855	11/22/21 16:06	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	12937	11/22/21 12:26	CA	XEN MID
Soluble	Analysis	300.0		1			13165	11/24/21 04:33	SC	XEN MID

Laboratory References:

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

Eurofins Xenco, Carlsbad

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Talon/LPE
Project/Site: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

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: Bruce Keplinger

Job ID: 890-1602-1
SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1602-1	S-1	Solid	11/18/21 10:25	11/18/21 15:10	0 - 1
890-1602-2	S-1	Solid	11/18/21 10:30	11/18/21 15:10	2
890-1602-3	S-1	Solid	11/18/21 10:35	11/18/21 15:10	3
890-1602-4	S-1	Solid	11/18/21 10:40	11/18/21 15:10	4
890-1602-5	S-2	Solid	11/18/21 10:45	11/18/21 15:10	0 - 1
890-1602-6	S-2	Solid	11/18/21 10:50	11/18/21 15:10	2
890-1602-7	S-2	Solid	11/18/21 10:55	11/18/21 15:10	3
890-1602-8	S-2	Solid	11/18/21 11:00	11/18/21 15:10	4
890-1602-9	S-3	Solid	11/18/21 11:03	11/18/21 15:10	0 - 1
890-1602-10	S-3	Solid	11/18/21 11:06	11/18/21 15:10	2
890-1602-11	S-3	Solid	11/18/21 11:09	11/18/21 15:10	3
890-1602-12	S-3	Solid	11/18/21 11:12	11/18/21 15:10	4
890-1602-13	BG-1	Solid	11/18/21 13:00	11/18/21 15:10	0
890-1602-14	BG-2	Solid	11/18/21 11:18	11/18/21 15:10	0
890-1602-15	BG-3	Solid	11/18/21 13:30	11/18/21 15:10	0
890-1602-16	BG-4	Solid	11/18/21 13:03	11/18/21 15:10	0

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 500-3334
El Paso, TX (915) 565-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Environment Testing

Xenco

Work-Order-No:

www.xenco.com

Page

of

1 2

Project Manager:	Rebecca Pen	Bill to: (if different)	
Company Name:	Talan LPE	Company Name:	
Address:	403 W. Texas	Address:	
City, State ZIP:	Artesia NM 88210	City, State ZIP:	
Phone:	575-745-8768	Email:	

Project Name:	Bruce Kepinger	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush
Project Number:	702520.009.01	Due Date:	2 Day
Project Location:	Lea County	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	J. Curries Apache		
P.O. #:			

Temp Blank:	Yes	No	Wet-lee:	Yes	No
Samples Received Intact:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Thermometer ID:	TW-007	
Cooler Custody Seals:	Yes	No	Correction Factor:	-0.2	
Sample Custody Seals:	Yes	No	Temperature Reading:	14.0/13.6	
Total Containers:					

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont
S-1	Soil	11-18-21	10:25	0-1'	G	1
S-1			10:30	2'		
S-1			10:35	3'		
S-1			10:40	4'		
S-2			10:45	0-1'		
S-2			10:50	2'		
S-2			10:55	3'		
S-2			11:00	4'		
S-3			11:03	0-1'		
S-3			11:06	2'		

Total	200.7 / 6010	200.8 / 6020:	8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed	TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471		

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	11-18-21 10:00

Revised Date: 08/25/2020 Rev: 2020.2



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) 794-1286
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Environment Testing

Xenco

Work Order No:

Page 2 of 2
www.xenco.com

Work Order Comments									
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>									
State of Project:									
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>									
Deliverables: EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:									

Project Manager:	Rebecca Davis	Bill To: (if different)
Company Name:	Talon LPE	Company Name:
Address:	408 W. Texas	Address:
City, State ZIP:	Artesia NM 88210	City, State ZIP:
	575-746-8768	Email:

Project Name:		Turn Around		ANALYSIS REQUEST												Preservative Codes	
Project Number:		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush														None: NO DI Water: H ₂ O MeOH: Me HNO ₃ : HN NaOH: Na H ₂ SO ₄ : H ₂	
Project Location:		Due Date:														H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	
Sampler's Name:		TAT starts the day received by the lab, if received by 4:30pm															
PO #:																	
SAMPLE RECEIPT				Temp Blank:		Yes		No		Wet/Ice:		Yes		No		Parameters	
Samples Received Intact:				Yes		No		Thermometer ID:									
Cooler Custody Seals:				Yes		No		N/A		Correction Factor:							
Sample Custody Seals:				Yes		No		N/A		Temperature Reading:							
Total Containers:										Corrected Temperature:							
Sample Identification				Matrix		Date Sampled		Time Sampled		Depth		Grab/Comp		# of Cont		Sample Comments	
S-3				Soil		11-18-21		11:09		3'		G		1		Email results to j.carnes@tclabper.com	
S-3								11:12		4'							
BG-1								1:00		0'							
BG-2								11:18		0'							
BG-3								1:30		0'							
BG-4								1:03		0'							

[illegible]

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, its affiliates and subcontractors. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)		Received by: (Signature)		Date/Time
1	<i>James Hays</i>	<i>Clay W. Hays</i>		
2			11-18-21 1000	
3				
4				
5				
6				

Completed Date: 08/25/2020 8:45:20 AM

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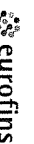
Eurofins Xenco, Carlsbad

1089 N Canal St.

Carlsbad, NM 86220

Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

Environment Testing
America

Client Information (Sub Contract Lab)		Sampler:	Lab PM	Carrier Tracking No(s)	COC No:																																																																																																																
Client Contact:		Phone:	Kramer Jessica		890-516 2																																																																																																																
Shipping/Receiving		E-Mail:	jessica.kramer@eurofinsnet.com	State of Origin	Page 2 of 2																																																																																																																
Company:	Eurofins Xenco	Accreditations Required (See note): NELAP - Texas			Job #:																																																																																																																
Address:	1211 W. Florida Ave	Due Date Requested	11/23/2021	890-1602-1																																																																																																																	
City:	Midland	TAT Requested (days)		Preservation Codes																																																																																																																	
State Zip	TX, 79701			A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:																																																																																																																	
Phone	432-704-5440(Tel)	PO #		M - Hexane N - None O - AsNaO2 P - Na2CO3 Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecalhydrate U - Acetone V - MCAA W - pH 4.5 Z - other (specify)																																																																																																																	
Email		WO #																																																																																																																			
Project Name	Bruce Kepfinger	Project #:	89000040																																																																																																																		
Site		SSOW#																																																																																																																			
<table border="1"> <thead> <tr> <th>Sample Identification - Client ID (Lab ID)</th> <th>Sample Date</th> <th>Sample Time</th> <th>Sample Type (C=Comp, G=grab)</th> <th>Matrix (W=water, S=solid, O=wastewater, B=bioreactive, A=air)</th> <th>Field Filtered Sample (Yes or No)</th> <th>Perform MS/MSD (Yes or No)</th> <th>8021B/6035FP_Calc (MOD) BTEX</th> <th>Total BTEX_GCV</th> <th>8015MOD_NM/8015NM_S_Prep (MOD) Full TPH</th> <th>8015MOD_Calc</th> <th>300_ORGFM_28D/DI_LEACH Chloride</th> <th>Total Number of containers</th> <th>Special Instructions/Note</th> </tr> </thead> <tbody> <tr> <td>S-3 (890-1602-10)</td> <td>11/18/21</td> <td>11 06</td> <td></td> <td>Solid</td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>1</td> <td></td> </tr> <tr> <td>S-3 (890-1602-11)</td> <td>11/18/21</td> <td>11 09</td> <td></td> <td>Solid</td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>1</td> <td></td> </tr> <tr> <td>S-3 (890-1602-12)</td> <td>11/18/21</td> <td>11 12</td> <td></td> <td>Solid</td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>1</td> <td></td> </tr> <tr> <td>BG-1 (890-1602-13)</td> <td>11/18/21</td> <td>13 00</td> <td></td> <td>Solid</td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>1</td> <td></td> </tr> <tr> <td>BG-2 (890-1602-14)</td> <td>11/18/21</td> <td>11 18</td> <td></td> <td>Solid</td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>1</td> <td></td> </tr> <tr> <td>BG-3 (890-1602-15)</td> <td>11/18/21</td> <td>13 30</td> <td></td> <td>Solid</td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>1</td> <td></td> </tr> <tr> <td>BG-4 (890-1602-16)</td> <td>11/18/21</td> <td>13 03</td> <td></td> <td>Solid</td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>1</td> <td></td> </tr> </tbody> </table>						Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, B=bioreactive, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8021B/6035FP_Calc (MOD) BTEX	Total BTEX_GCV	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8015MOD_Calc	300_ORGFM_28D/DI_LEACH Chloride	Total Number of containers	Special Instructions/Note	S-3 (890-1602-10)	11/18/21	11 06		Solid		X	X	X	X	X		1		S-3 (890-1602-11)	11/18/21	11 09		Solid		X	X	X	X	X		1		S-3 (890-1602-12)	11/18/21	11 12		Solid		X	X	X	X	X		1		BG-1 (890-1602-13)	11/18/21	13 00		Solid		X	X	X	X	X		1		BG-2 (890-1602-14)	11/18/21	11 18		Solid		X	X	X	X	X		1		BG-3 (890-1602-15)	11/18/21	13 30		Solid		X	X	X	X	X		1		BG-4 (890-1602-16)	11/18/21	13 03		Solid		X	X	X	X	X		1	
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, B=bioreactive, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8021B/6035FP_Calc (MOD) BTEX	Total BTEX_GCV	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8015MOD_Calc	300_ORGFM_28D/DI_LEACH Chloride	Total Number of containers	Special Instructions/Note																																																																																																								
S-3 (890-1602-10)	11/18/21	11 06		Solid		X	X	X	X	X		1																																																																																																									
S-3 (890-1602-11)	11/18/21	11 09		Solid		X	X	X	X	X		1																																																																																																									
S-3 (890-1602-12)	11/18/21	11 12		Solid		X	X	X	X	X		1																																																																																																									
BG-1 (890-1602-13)	11/18/21	13 00		Solid		X	X	X	X	X		1																																																																																																									
BG-2 (890-1602-14)	11/18/21	11 18		Solid		X	X	X	X	X		1																																																																																																									
BG-3 (890-1602-15)	11/18/21	13 30		Solid		X	X	X	X	X		1																																																																																																									
BG-4 (890-1602-16)	11/18/21	13 03		Solid		X	X	X	X	X		1																																																																																																									
<p>Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method, analyte & accreditation compliance upon our 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/method being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Xenco LLC.</p>																																																																																																																					
<p>Possible Hazard Identification</p> <p>Unconfirmed</p> <p>Deliverable Requested: I II III IV, Other (Specify) Primary Deliverable Rank: 2</p> <p>Empty Kit Relinquished by: _____ Date: _____ Time: _____</p> <p>Relinquished by: <i>Chad</i> 11/19/21 Date/Time: _____ Company: _____</p> <p>Relinquished by: _____ Date/Time: _____ Company: _____</p> <p>Relinquished by: _____ Date/Time: _____ Company: _____</p> <p>Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No: _____</p> <p>Cooler Temperature(s) °C and Other Remarks: <i>4.3/4.3</i></p>																																																																																																																					
<p>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</p> <p><input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months</p> <p>Special Instructions/QC Requirements: _____</p>																																																																																																																					

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Eurofins Xenco, Carlsbad

1089 N Canal St
Carlsbad, NM 88220
Phone 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

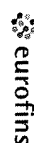


Environment Testing
America

Client Information (Sub Contract Lab)		Sampler	Lab PM	Carner Tracking No(s)	COC No
Client Contact:	Phone:	Kramer Jessica	State of Origin:	New Mexico	890-516 1
Shipping/Receiving	E-Mail:	Jessica.kramer@eurofinsnet.com	Accreditations Required (See note)	NELAP - Texas	Page: 1 of 2
Company:	Eurofins Xenco	Due Date Requested	11/23/2021	Job #	890-1602-1
Address:	1211 W Florida Ave.	TAT Requested (days)		Preservation Codes	
City:	Midland			A. HCL B. NaOH C. Zn Acetate D. Nitric Acid E. NaHSO4 F. MeOH G. Amchlor H. Ascorbic Acid I. Ice J. DI Water K. EDTA L. EDA M. Hexane N. None O. AsNaO2 P. Na2O4S Q. Na2SO3 R. Na2S2O3 S. H2SO4 T. TSP Dodecylhydrate U. Acetone V. MCAA W. pH 4.5 Z. other (specify)	
State Zip:	TX 79701	PO #			
Phone:	432-704-5440(Tel)	WO #			
Email:		Project #	89000040		
Project Name:	Bruce Keplinger	SSOV#			
Site:					
Sample Identification - Client ID (Lab ID)					
S-1 (890-1602-1)	11/18/21	10 25	Mountain	Solid	Field Filtered Sample (Yes or No)
S-1 (890-1602-2)	11/18/21	10 30	Mountain	Solid	Perform MS/MSD (Yes or No)
S-1 (890-1602-3)	11/18/21	10 35	Mountain	Solid	8021B/5036FP_Calc (MOD) BTEX
S-1 (890-1602-4)	11/18/21	10 40	Mountain	Solid	Total_BTEX_GCV
S-2 (890-1602-5)	11/18/21	10 45	Mountain	Solid	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH
S-2 (890-1602-6)	11/18/21	10 50	Mountain	Solid	8015MOD_Calc
S-2 (890-1602-7)	11/18/21	10 55	Mountain	Solid	300_ORGFM_28D/DI_LEACH Chloride
S-2 (890-1602-8)	11/18/21	11 00	Mountain	Solid	
S-3 (890-1602-9)	11/18/21	11 03	Mountain	Solid	
Analysis Requested					
Special Instructions/Note:					
Possible Hazard Identification					
Unconfirmed					
Deliverable Requested I II III IV Other (Specify)					
Primary Deliverable Rank 2					
Empty Kit Relinquished by:					
Relinquished by: <i>Chadef 11/19/21</i>					
Relinquished by:					
Relinquished by:					
Custody Seals Intact:					
Custody Seal No					
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
Return To Client					
Disposal By Lab					
Archive For					
Months					
Special Instructions/QC Requirements					
Method of Shipment:					
Received by: <i>J. Kramer</i>					
Received by:					
Received by:					
Cooler Temperature(s) °C and Other Remarks:					
4.2/4.3					

Eurofins Xenco, Carlsbad

Chain of Custody Record



**Environment Testing
America**

1089 N Canal St
Carlsbad, NM 88220
Phone: 575-988-3199 Fax 575-988-3199

[illegible]

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-1602-1

SDG Number: Lea County

Login Number: 1602

List Number: 1

Creator: Clifton, Cloe

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: 890-1602-1

SDG Number: Lea County

Login Number: 1602

List Source: Eurofins Xenco, Midland

List Number: 2

List Creation: 11/22/21 08:09 AM

Creator: Kramer, Jessica

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	4.2/4.3
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	



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

January 04, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: BRUCE KEPLINGER SWD LINE (BRUCE)

Enclosed are the results of analyses for samples received by the laboratory on 12/29/21 10:30.

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 accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Mike Snyder", is written in a cursive, flowing style.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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:	12/29/2021	Sampling Date:	12/21/2021
Reported:	01/04/2022	Sampling Type:	Soil
Project Name:	BRUCE KEPLINGER SWD LINE (BRUCE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Brandi Oldaker
Project Location:	MATADOR - LEA CO NM		

Sample ID: S - 6 @ 4' (H213738-01)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/30/2021	ND	2.11	106	2.00	1.94		
Toluene*	<0.050	0.050	12/30/2021	ND	1.99	99.4	2.00	1.40		
Ethylbenzene*	<0.050	0.050	12/30/2021	ND	1.99	99.3	2.00	2.23		
Total Xylenes*	<0.150	0.150	12/30/2021	ND	6.18	103	6.00	2.22		
Total BTEx	<0.300	0.300	12/30/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1220	16.0	12/29/2021	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/30/2021	ND	215	107	200	3.14	
DRO >C10-C28*	<10.0	10.0	12/30/2021	ND	228	114	200	2.51	
EXT DRO >C28-C36	<10.0	10.0	12/30/2021	ND					

Surrogate: 1-Chlorooctane 94.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.5 % 59.5-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	12/29/2021	Sampling Date:	12/21/2021
Reported:	01/04/2022	Sampling Type:	Soil
Project Name:	BRUCE KEPLINGER SWD LINE (BRUCE)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Brandi Oldaker
Project Location:	MATADOR - LEA CO NM		

Sample ID: S - 6 @ 6' (H213738-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2160	16.0	12/29/2021	ND	432	108	400	3.64		

Sample ID: S - 6 @ 8' (H213738-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1480	16.0	12/29/2021	ND	432	108	400	3.64		

Sample ID: S - 6 @ 12' (H213738-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	912	16.0	12/29/2021	ND	432	108	400	3.64		

Sample ID: S - 6 @ 14' (H213738-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	12/29/2021	ND	432	108	400	3.64		

Sample ID: S - 6 @ 16' (H213738-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	896	16.0	12/29/2021	ND	432	108	400	3.64		

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	12/29/2021	Sampling Date:	12/21/2021
Reported:	01/04/2022	Sampling Type:	Soil
Project Name:	BRUCE KEPLINGER SWD LINE (BRUCE)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Brandi Oldaker
Project Location:	MATADOR - LEA CO NM		

Sample ID: S - 6 @ 18' (H213738-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	12/29/2021	ND	432	108	400	3.64		

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	12/29/2021	Sampling Date:	12/21/2021
Reported:	01/04/2022	Sampling Type:	Soil
Project Name:	BRUCE KEPLINGER SWD LINE (BRUCE)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Brandi Oldaker
Project Location:	MATADOR - LEA CO NM		

Sample ID: S - 6 @ 20' (H213738-08)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/30/2021	ND	2.11	106	2.00	1.94		
Toluene*	<0.050	0.050	12/30/2021	ND	1.99	99.4	2.00	1.40		
Ethylbenzene*	<0.050	0.050	12/30/2021	ND	1.99	99.3	2.00	2.23		
Total Xylenes*	<0.150	0.150	12/30/2021	ND	6.18	103	6.00	2.22		
Total BTX	<0.300	0.300	12/30/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	12/29/2021	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/30/2021	ND	215	107	200	3.14	
DRO >C10-C28*	<10.0	10.0	12/30/2021	ND	228	114	200	2.51	
EXT DRO >C28-C36	14.7	10.0	12/30/2021	ND					

Surrogate: 1-Chlorooctane 89.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.9 % 59.5-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Mike Snyder".

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



Released to Imaging: 2/22/2022 8:32:30 AM



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

January 06, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: BRUCE KEPLINGER SWD LINE (BRUCE)

Enclosed are the results of analyses for samples received by the laboratory on 01/03/22 14:25.

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 accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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:	01/03/2022	Sampling Date:	12/30/2021
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	BRUCE KEPLINGER SWD LINE (BRUCE	Sampling Condition:	Cool & Intact
Project Number:	702520.009.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - LEA CO NM		

Sample ID: S - 1 @ 10' (H220006-01)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/04/2022	ND	2.04	102	2.00	3.37	
Toluene*	<0.050	0.050	01/04/2022	ND	1.92	96.0	2.00	3.35	
Ethylbenzene*	<0.050	0.050	01/04/2022	ND	1.91	95.3	2.00	3.44	
Total Xylenes*	<0.150	0.150	01/04/2022	ND	5.91	98.5	6.00	3.44	
Total BTEX	<0.300	0.300	01/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/05/2022	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2022	ND	214	107	200	3.14	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	225	112	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					

Surrogate: 1-Chlorooctane 85.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.4 % 59.5-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	01/03/2022	Sampling Date:	12/30/2021
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	BRUCE KEPLINGER SWD LINE (BRUCE)	Sampling Condition:	Cool & Intact
Project Number:	702520.009.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - LEA CO NM		

Sample ID: S - 2 @ 17' (H220006-02)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/04/2022	ND	2.04	102	2.00	3.37		
Toluene*	<0.050	0.050	01/04/2022	ND	1.92	96.0	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/04/2022	ND	1.91	95.3	2.00	3.44		
Total Xylenes*	<0.150	0.150	01/04/2022	ND	5.91	98.5	6.00	3.44		
Total BTEx	<0.300	0.300	01/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	01/05/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2022	ND	214	107	200	3.14	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	225	112	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					

Surrogate: 1-Chlorooctane 77.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.5 % 59.5-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	01/03/2022	Sampling Date:	12/30/2021
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	BRUCE KEPLINGER SWD LINE (BRUCE)	Sampling Condition:	Cool & Intact
Project Number:	702520.009.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - LEA CO NM		

Sample ID: S - 3 @ 17' (H220006-03)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/04/2022	ND	2.04	102	2.00	3.37		
Toluene*	<0.050	0.050	01/04/2022	ND	1.92	96.0	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/04/2022	ND	1.91	95.3	2.00	3.44		
Total Xylenes*	<0.150	0.150	01/04/2022	ND	5.91	98.5	6.00	3.44		
Total BTEX	<0.300	0.300	01/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	01/05/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2022	ND	214	107	200	3.14	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	225	112	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					

Surrogate: 1-Chlorooctane 79.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.0 % 59.5-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	01/03/2022	Sampling Date:	12/30/2021
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	BRUCE KEPLINGER SWD LINE (BRUCE)	Sampling Condition:	Cool & Intact
Project Number:	702520.009.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - LEA CO NM		

Sample ID: S - 4 @ 4' (H220006-04)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/04/2022	ND	2.04	102	2.00	3.37		
Toluene*	<0.050	0.050	01/04/2022	ND	1.92	96.0	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/04/2022	ND	1.91	95.3	2.00	3.44		
Total Xylenes*	<0.150	0.150	01/04/2022	ND	5.91	98.5	6.00	3.44		
Total BTEX	<0.300	0.300	01/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	01/05/2022	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2022	ND	214	107	200	3.14	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	225	112	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					

Surrogate: 1-Chlorooctane 82.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.2 % 59.5-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	01/03/2022	Sampling Date:	12/30/2021
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	BRUCE KEPLINGER SWD LINE (BRUCE)	Sampling Condition:	Cool & Intact
Project Number:	702520.009.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - LEA CO NM		

Sample ID: S - 5 @ 4' (H220006-05)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/04/2022	ND	2.04	102	2.00	3.37		
Toluene*	<0.050	0.050	01/04/2022	ND	1.92	96.0	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/04/2022	ND	1.91	95.3	2.00	3.44		
Total Xylenes*	<0.150	0.150	01/04/2022	ND	5.91	98.5	6.00	3.44		
Total BTEX	<0.300	0.300	01/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	01/05/2022	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2022	ND	214	107	200	3.14	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	225	112	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					

Surrogate: 1-Chlorooctane 82.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.3 % 59.5-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	01/03/2022	Sampling Date:	12/30/2021
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	BRUCE KEPLINGER SWD LINE (BRUCE)	Sampling Condition:	Cool & Intact
Project Number:	702520.009.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - LEA CO NM		

Sample ID: S - 7 @ 17' (H220006-06)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/04/2022	ND	2.04	102	2.00	3.37		
Toluene*	<0.050	0.050	01/04/2022	ND	1.92	96.0	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/04/2022	ND	1.91	95.3	2.00	3.44		
Total Xylenes*	<0.150	0.150	01/04/2022	ND	5.91	98.5	6.00	3.44		
Total BTEx	<0.300	0.300	01/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	01/05/2022	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2022	ND	214	107	200	3.14	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	225	112	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					

Surrogate: 1-Chlorooctane 80.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.1 % 59.5-142

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	01/03/2022	Sampling Date:	12/30/2021
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	BRUCE KEPLINGER SWD LINE (BRUCE)	Sampling Condition:	Cool & Intact
Project Number:	702520.009.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - LEA CO NM		

Sample ID: S - 8 @ 17' (H220006-07)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/04/2022	ND	2.04	102	2.00	3.37		
Toluene*	<0.050	0.050	01/04/2022	ND	1.92	96.0	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/04/2022	ND	1.91	95.3	2.00	3.44		
Total Xylenes*	<0.150	0.150	01/04/2022	ND	5.91	98.5	6.00	3.44		
Total BTEx	<0.300	0.300	01/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	01/04/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2022	ND	214	107	200	3.14	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	225	112	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					

Surrogate: 1-Chlorooctane 76.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 79.4 % 59.5-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	01/03/2022	Sampling Date:	12/30/2021
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	BRUCE KEPLINGER SWD LINE (BRUCE)	Sampling Condition:	Cool & Intact
Project Number:	702520.009.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - LEA CO NM		

Sample ID: S - 9 @ 17' (H220006-08)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/04/2022	ND	2.04	102	2.00	3.37		
Toluene*	<0.050	0.050	01/04/2022	ND	1.92	96.0	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/04/2022	ND	1.91	95.3	2.00	3.44		
Total Xylenes*	<0.150	0.150	01/04/2022	ND	5.91	98.5	6.00	3.44		
Total BTX	<0.300	0.300	01/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	01/04/2022	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2022	ND	214	107	200	3.14	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	225	112	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					

Surrogate: 1-Chlorooctane 80.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.9 % 59.5-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	01/03/2022	Sampling Date:	12/30/2021
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	BRUCE KEPLINGER SWD LINE (BRUCE)	Sampling Condition:	Cool & Intact
Project Number:	702520.009.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - LEA CO NM		

Sample ID: S - 10 @ 17' (H220006-09)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/04/2022	ND	2.04	102	2.00	3.37		
Toluene*	<0.050	0.050	01/04/2022	ND	1.92	96.0	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/04/2022	ND	1.91	95.3	2.00	3.44		
Total Xylenes*	<0.150	0.150	01/04/2022	ND	5.91	98.5	6.00	3.44		
Total BTEX	<0.300	0.300	01/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	01/04/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2022	ND	210	105	200	4.79	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	203	101	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					

Surrogate: 1-Chlorooctane 86.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.2 % 59.5-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	01/03/2022	Sampling Date:	12/30/2021
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	BRUCE KEPLINGER SWD LINE (BRUCE)	Sampling Condition:	Cool & Intact
Project Number:	702520.009.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - LEA CO NM		

Sample ID: S - 11 @ 17' (H220006-10)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/04/2022	ND	2.04	102	2.00	3.37		
Toluene*	<0.050	0.050	01/04/2022	ND	1.92	96.0	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/04/2022	ND	1.91	95.3	2.00	3.44		
Total Xylenes*	<0.150	0.150	01/04/2022	ND	5.91	98.5	6.00	3.44		
Total BTEx	<0.300	0.300	01/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	01/04/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2022	ND	210	105	200	4.79	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	203	101	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					

Surrogate: 1-Chlorooctane 89.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.5 % 59.5-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	01/03/2022	Sampling Date:	01/03/2022
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	BRUCE KEPLINGER SWD LINE (BRUCE)	Sampling Condition:	Cool & Intact
Project Number:	702520.009.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - LEA CO NM		

Sample ID: S. SW - 1 (H220006-11)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/04/2022	ND	2.04	102	2.00	3.37		
Toluene*	<0.050	0.050	01/04/2022	ND	1.92	96.0	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/04/2022	ND	1.91	95.3	2.00	3.44		
Total Xylenes*	<0.150	0.150	01/04/2022	ND	5.91	98.5	6.00	3.44		
Total BTEx	<0.300	0.300	01/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	01/04/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2022	ND	210	105	200	4.79	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	203	101	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					

Surrogate: 1-Chlorooctane 90.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.4 % 59.5-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	01/03/2022	Sampling Date:	01/03/2022
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	BRUCE KEPLINGER SWD LINE (BRUCE)	Sampling Condition:	Cool & Intact
Project Number:	702520.009.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - LEA CO NM		

Sample ID: S. SW - 2 (H220006-12)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/04/2022	ND	2.04	102	2.00	3.37		
Toluene*	<0.050	0.050	01/04/2022	ND	1.92	96.0	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/04/2022	ND	1.91	95.3	2.00	3.44		
Total Xylenes*	<0.150	0.150	01/04/2022	ND	5.91	98.5	6.00	3.44		
Total BTEX	<0.300	0.300	01/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	01/04/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2022	ND	210	105	200	4.79	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	203	101	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					

Surrogate: 1-Chlorooctane 91.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 93.2 % 59.5-142

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	01/03/2022	Sampling Date:	01/03/2022
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	BRUCE KEPLINGER SWD LINE (BRUCE)	Sampling Condition:	Cool & Intact
Project Number:	702520.009.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - LEA CO NM		

Sample ID: S. SW - 3 (H220006-13)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/04/2022	ND	2.04	102	2.00	3.37		
Toluene*	<0.050	0.050	01/04/2022	ND	1.92	96.0	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/04/2022	ND	1.91	95.3	2.00	3.44		
Total Xylenes*	<0.150	0.150	01/04/2022	ND	5.91	98.5	6.00	3.44		
Total BTEx	<0.300	0.300	01/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	01/04/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2022	ND	210	105	200	4.79	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	203	101	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					

Surrogate: 1-Chlorooctane 94.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.6 % 59.5-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	01/03/2022	Sampling Date:	01/03/2022
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	BRUCE KEPLINGER SWD LINE (BRUCE)	Sampling Condition:	Cool & Intact
Project Number:	702520.009.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - LEA CO NM		

Sample ID: E. SW - 1 (H220006-14)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/04/2022	ND	2.04	102	2.00	3.37		
Toluene*	<0.050	0.050	01/04/2022	ND	1.92	96.0	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/04/2022	ND	1.91	95.3	2.00	3.44		
Total Xylenes*	<0.150	0.150	01/04/2022	ND	5.91	98.5	6.00	3.44		
Total BTEX	<0.300	0.300	01/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	01/04/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2022	ND	210	105	200	4.79	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	203	101	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					

Surrogate: 1-Chlorooctane 91.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 93.7 % 59.5-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	01/03/2022	Sampling Date:	01/03/2022
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	BRUCE KEPLINGER SWD LINE (BRUCE)	Sampling Condition:	Cool & Intact
Project Number:	702520.009.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - LEA CO NM		

Sample ID: E. SW - 2 (H220006-15)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/04/2022	ND	2.04	102	2.00	3.37		
Toluene*	<0.050	0.050	01/04/2022	ND	1.92	96.0	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/04/2022	ND	1.91	95.3	2.00	3.44		
Total Xylenes*	<0.150	0.150	01/04/2022	ND	5.91	98.5	6.00	3.44		
Total BTEX	<0.300	0.300	01/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	01/04/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2022	ND	210	105	200	4.79	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	203	101	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					

Surrogate: 1-Chlorooctane 95.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.1 % 59.5-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	01/03/2022	Sampling Date:	01/03/2022
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	BRUCE KEPLINGER SWD LINE (BRUCE)	Sampling Condition:	Cool & Intact
Project Number:	702520.009.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - LEA CO NM		

Sample ID: E. SW - 3 (H220006-16)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/04/2022	ND	2.04	102	2.00	3.37		
Toluene*	<0.050	0.050	01/04/2022	ND	1.92	96.0	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/04/2022	ND	1.91	95.3	2.00	3.44		
Total Xylenes*	<0.150	0.150	01/04/2022	ND	5.91	98.5	6.00	3.44		
Total BTEX	<0.300	0.300	01/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	01/04/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2022	ND	210	105	200	4.79	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	203	101	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					

Surrogate: 1-Chlorooctane 91.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.3 % 59.5-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	01/03/2022	Sampling Date:	01/03/2022
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	BRUCE KEPLINGER SWD LINE (BRUCE)	Sampling Condition:	Cool & Intact
Project Number:	702520.009.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - LEA CO NM		

Sample ID: W. SW - 1 (H220006-17)

BTEX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/04/2022	ND	2.04	102	2.00	3.37		
Toluene*	<0.050	0.050	01/04/2022	ND	1.92	96.0	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/04/2022	ND	1.91	95.3	2.00	3.44		
Total Xylenes*	<0.150	0.150	01/04/2022	ND	5.91	98.5	6.00	3.44		
Total BTEX	<0.300	0.300	01/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	01/04/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2022	ND	210	105	200	4.79	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	203	101	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					

Surrogate: 1-Chlorooctane 95.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.0 % 59.5-142

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	01/03/2022	Sampling Date:	01/03/2022
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	BRUCE KEPLINGER SWD LINE (BRUCE)	Sampling Condition:	Cool & Intact
Project Number:	702520.009.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - LEA CO NM		

Sample ID: W. SW - 2 (H220006-18)

BTEX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/04/2022	ND	2.04	102	2.00	3.37		
Toluene*	<0.050	0.050	01/04/2022	ND	1.92	96.0	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/04/2022	ND	1.91	95.3	2.00	3.44		
Total Xylenes*	<0.150	0.150	01/04/2022	ND	5.91	98.5	6.00	3.44		
Total BTEX	<0.300	0.300	01/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	01/04/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2022	ND	210	105	200	4.79	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	203	101	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					

Surrogate: 1-Chlorooctane 96.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.3 % 59.5-142

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	01/03/2022	Sampling Date:	01/03/2022
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	BRUCE KEPLINGER SWD LINE (BRUCE)	Sampling Condition:	Cool & Intact
Project Number:	702520.009.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - LEA CO NM		

Sample ID: N. SW - 1 (H220006-19)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/04/2022	ND	2.04	102	2.00	3.37		
Toluene*	<0.050	0.050	01/04/2022	ND	1.92	96.0	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/04/2022	ND	1.91	95.3	2.00	3.44		
Total Xylenes*	<0.150	0.150	01/04/2022	ND	5.91	98.5	6.00	3.44		
Total BTEx	<0.300	0.300	01/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	01/04/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2022	ND	210	105	200	4.79	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	203	101	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					

Surrogate: 1-Chlorooctane 97.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 100 % 59.5-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	01/03/2022	Sampling Date:	01/03/2022
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	BRUCE KEPLINGER SWD LINE (BRUCE)	Sampling Condition:	Cool & Intact
Project Number:	702520.009.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - LEA CO NM		

Sample ID: N. SW - 2 (H220006-20)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/04/2022	ND	2.04	102	2.00	3.37	
Toluene*	<0.050	0.050	01/04/2022	ND	1.92	96.0	2.00	3.35	
Ethylbenzene*	<0.050	0.050	01/04/2022	ND	1.91	95.3	2.00	3.44	
Total Xylenes*	<0.150	0.150	01/04/2022	ND	5.91	98.5	6.00	3.44	
Total BTEX	<0.300	0.300	01/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	01/04/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2022	ND	210	105	200	4.79	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	203	101	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					

Surrogate: 1-Chlorooctane 93.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.3 % 59.5-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Mike Snyder".

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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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 77131

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 77131
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	Closure approved.	2/22/2022