

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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

Printed Name: _____ Title: _____
Signature: Jacques Harimon Date: 1.17.23
email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 01/31/2023

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

Signature: Robert Hamlet Date: 5/31/2023

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

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Printed Name: _____ Title: _____

Signature: Jocelyn Harimon Date: 1.17.23

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 01/31/2023

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Remediation Plan

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- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
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- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

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

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

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Printed Name: _____ Title: _____
Signature: Jacques Harimon Date: 1.17.23
email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 01/31/2023

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

Signature: _____ Date: _____

Remediation Summary and Deferral Request

ConocoPhillips Company Smalls Federal 1H

Lea County, New Mexico
Unit Letter J, Section 9, Township 23 South, Range 34 East
Latitude 32.31665 North, Longitude 103.47247 West
NMOCD Reference No. NDHR1917938878

Prepared By:

Etech Environmental & Safety Solutions, Inc.
2617 W. Marland
Hobbs, New Mexico 88240



Matthew Grieco



Joel W. Lowry



Midland • San Antonio • Lubbock • Hobbs • Lafayette

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2.0 SITE CHARACTERIZATION

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half-mile radius of the Site. Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. Depth to groundwater information is provided as Appendix A.

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

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

3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

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

Probable Depth to Groundwater	Constituent	Method	Closure Criteria	Reclamation Standard*
200 Feet	Chloride	EPA 300.0 or SM4500 Cl B	20,000 mg/kg	600 mg/kg
	TPH (GRO + DRO + MRO)	EPA SW-846 Method 8015M Ext	2,500 mg/kg	100 mg/kg
	DRO + GRO	EPA SW-846 Method 8015M	1,000 mg/kg	-
	BTEX	EPA SW-846 Methods 8021b or 8260b	50 mg/kg	50 mg/kg
	Benzene	EPA SW-846 Methods 8021b or 8260b	10 mg/kg	10 mg/kg

* The NMOCD Reclamation Standard applies only to the top 4" of soil in non-production areas.

4.0 REMEDIATION ACTIVITIES SUMMARY

On December 14, 2020, remediation activities were initiated by an environmental contractor, in accordance with an NMOCD-approved work plan. Impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standards was excavated and stockpiled on-site, pending transfer to an NMOCD-approved surface waste facility for disposal. The floor and sidewalls of the excavation were advanced until field observations and test results suggested BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria and/or NMOCD Reclamation Standards.

On December 16, 2020, the third-party contractor collected 23 floor confirmation soil samples (S-1 through S-23) and 32 sidewall confirmation soil samples (N.SW, S.SW, E.SW-1 through E.SW-15, and W.SW-1 through W.SW-15). The collected soil samples were submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX and TPH concentrations were below the NMOCD Closure Criteria and/or the NMOCD Reclamation Standards in each of the submitted soil samples. Chloride concentrations were below the NMOCD Closure Criterion in each of the submitted soil samples, but were above the NMOCD Reclamation Standard in each of the submitted soil samples with the exception of samples S.SW, W.SW-8 and W.SW-15. Chloride exceedances ranged from 606 mg/kg to 2,380 mg/kg.

On December 21, 2020, impacted soil in the areas characterized by soil samples S-2 through S-13, S-16 through S-18, S-20, W.SW-1 through W.SW-7, and W.SW-9 through W.SW-13 was excavated and transported to an NMOCD-approved surface waste facility for disposal. Upon excavating impacted soil, the third-party contractor collected an additional sixteen (16) floor confirmation soil samples (S-2 through S-13, S-16 through S-18, and S-20) and twelve (12) sidewall confirmation soil samples (WSW-1 through WSW-7 and WSW-9 through WSW-13). The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX and TPH concentrations were below the NMOCD Closure Criteria and/or the NMOCD Reclamation Standards in each of the submitted soil samples with the exception of sample WSW-1, which had a TPH concentration of 139 mg/kg. Chloride concentrations were below the NMOCD Closure Criterion in each of the submitted soil samples, but were above the NMOCD Reclamation Standard in samples WSW-1 through WSW-7 and WSW-9 through WSW-13, which exhibited chloride concentrations ranging from 607 mg/kg to 2,390 mg/kg.

On January 5, 2021, excavation activities resumed at the Site. Impacted soil in the areas characterized by soil samples S-2 through S-7 and WSW-1 through WSW-4 was excavated and transported to an NMOCD-approved surface waste facility for disposal. Upon excavating impacted soil, the third-party contractor collected an additional six (6) floor confirmation soil samples (S-2 A through S-7 A) and four (4) sidewall confirmation soil samples (WSW-1 A through WSW-4 A). The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria and/or the NMOCD Reclamation Standards in each of the submitted soil samples, with the exception of sample WSW-4 A, which exhibited a chloride concentration of 1,860 mg/kg.

On January 7, 2021, impacted soil in the areas characterized by soil samples S-2 A, S-3 A, S-7 A, S-8 through S-10, WSW-4 A, WSW-5 through WSW-7, WSW-9 through WSW-13, and W.SW-14 was excavated and transported to an NMOCD-approved surface waste facility for disposal. Upon excavating impacted soil, the third-party contractor collected an additional six (6) floor confirmation soil samples (S-2, S-3, and S-7 through S-10), ten (10) sidewall confirmation soil samples (W.SW-4 through W.SW-7 and W.SW-9 through W.SW-14), and four (4) background soil samples (BG-1 through BG-4). The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria and/or the NMOCD Reclamation Standards in each of the submitted soil samples.

On December 9, 2022, Etech was retained by the client to resume and finalize remediation activities at the Site.

On December 30, 2022, Etech visited the Site. During the site visit, nine (9) additional soil samples (EH-2 through EH-5 and EH-9 through EH-13) were collected to further characterize the horizontal extent of the proposed deferred area. The collected soil samples were submitted to the laboratory for analysis of chloride. Laboratory analytical results indicated chloride concentrations were below the NMOCD Closure Criterion and/or the NMOCD Reclamation Standard in each of the submitted soil samples.

A site and sample location map is provided as Figure 3. A soil chemistry table is provided as Table 1. Field data is provided as Appendix B. Laboratory analytical reports are provided as Appendix C.

The final dimensions of the excavated area were approximately 790 feet in length, and ranged from eight (8) to sixteen (16) feet in width and two (2) to six (6) feet in depth. During the course of remediation activities, approximately 2,028 cubic yards of impacted soil were transported to an NMOCD-approved surface waste facility for disposal.

5.0 RESTORATION, RECLAMATION, AND RE-VEGETATION PLAN

Upon receiving laboratory analytical results from confirmation soil samples, excavated areas were backfilled by the third-party contractor with locally sourced, non-impacted "like" material placed at or near original relative positions. The affected area was compacted and contoured to achieve erosion control, stability, and preservation of surface water flow, to the extent practicable. The work area will be seeded with State Sandy Loam (SL) seed mixture utilizing a cultipack seed drill during the first favorable growing season following the closure of the Site.

6.0 DEFERRAL REQUEST

Remediation activities were conducted by a third-party environmental contractor in accordance with an NMOCD-approved work plan. Impacted soil in the areas affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standards was excavated and transported to an NMOCD-approved disposal facility. Laboratory analytical results from confirmation soil samples indicate in-situ concentrations of BTEX, TPH, and chloride are below the NMOCD Closure Criteria and/or NMOCD Reclamation Standards, with the exceptions of soil samples E.SW-2 through E.SW-5 and E.SW-9 through E.SW-13.

Impacted soil remaining in-situ represented by soil samples E.SW-2 through E.SW-5 and E.SW-9 through E.SW-13 is adjacent to and/or underneath Antelope Rd/County Rd 21-B that runs along the eastern edge of the impacted area. The impacted area has been fully delineated to verify that it does not extend beyond the boundaries of the road. Further remediation of the impacted area would require blocking off and deconstructing an important access road leading to a number of site locations and production facilities.

As there is no vegetation or shallow groundwater present that would be affected by the impacted soil remaining in-situ, Etech believes that, pursuant to Section 19.15.29.12.C(2) NMAC, leaving the contamination in-situ "does not cause an imminent risk to human health, the environment, or ground water". Etech believes that further remediation of the Site can be deferred until the closure and reclamation of the access road.

Based on laboratory analytical results and field activities conducted to date, Etech recommends ConocoPhillips Company provide copies of this *Remediation Summary and Deferral Request* to the appropriate agencies and request a deferral be granted to the Smalls Federal 1H site.

7.0 LIMITATIONS

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

This report has been prepared for the benefit of ConocoPhillips Company. Use of the information contained in this report is prohibited without the consent of Etech and/or ConocoPhillips Company.

8.0 DISTRIBUTION

ConocoPhillips Company

3300 B A St.
Midland, TX 79705

New Mexico Energy, Minerals and Natural Resources Department

Oil Conservation Division, District 1
1220 South St. Francis Drive
Santa Fe, NM 87505

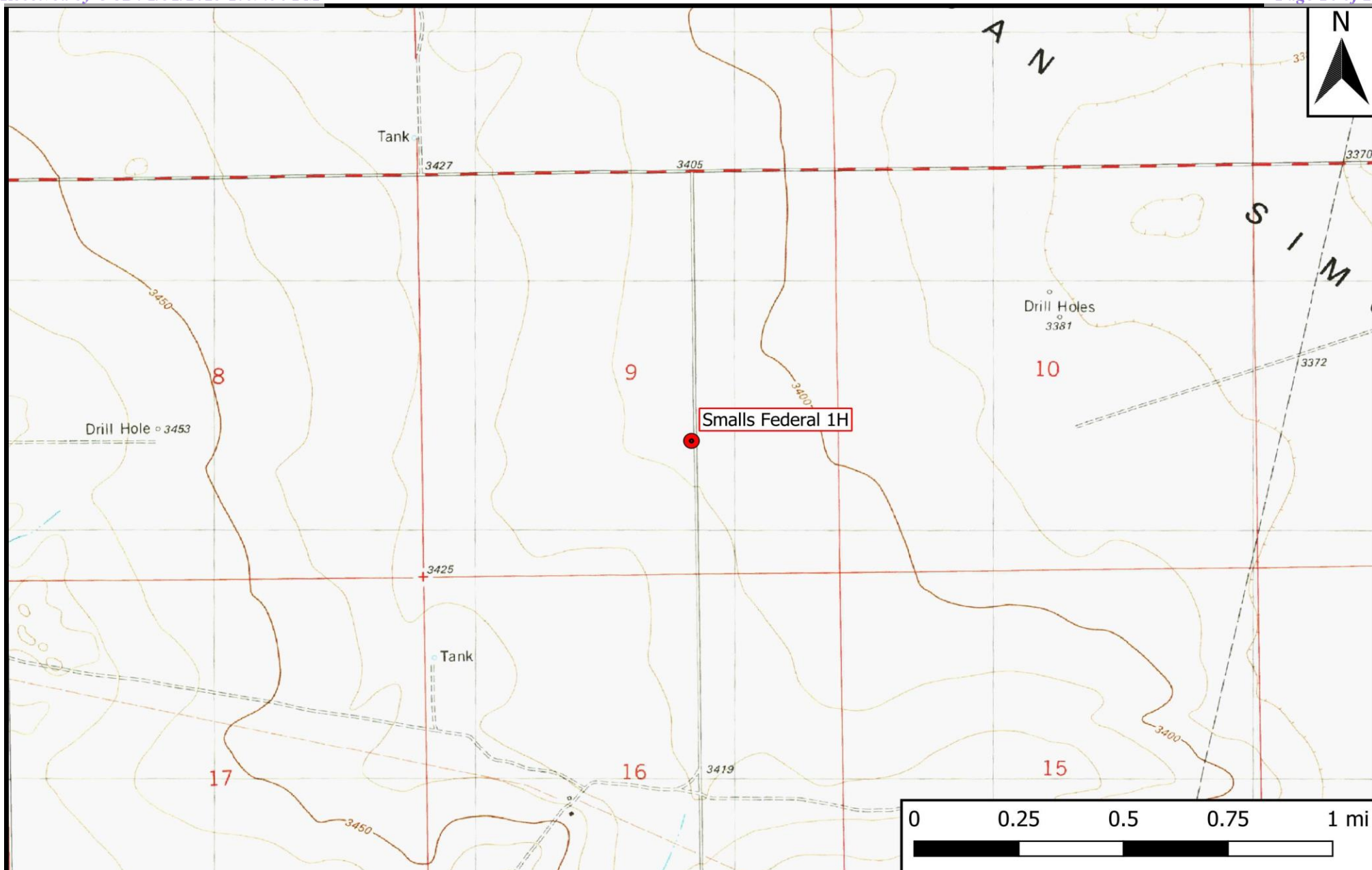
Hobbs Field Office

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

(Electronic Submission)

Figure 1

Topographic Map

**Legend**

- Site Location

Figure 1

Topographic Map
ConocoPhillips Company
Smalls Federal 1H
GPS: 32.31665, -103.47247
Lea County



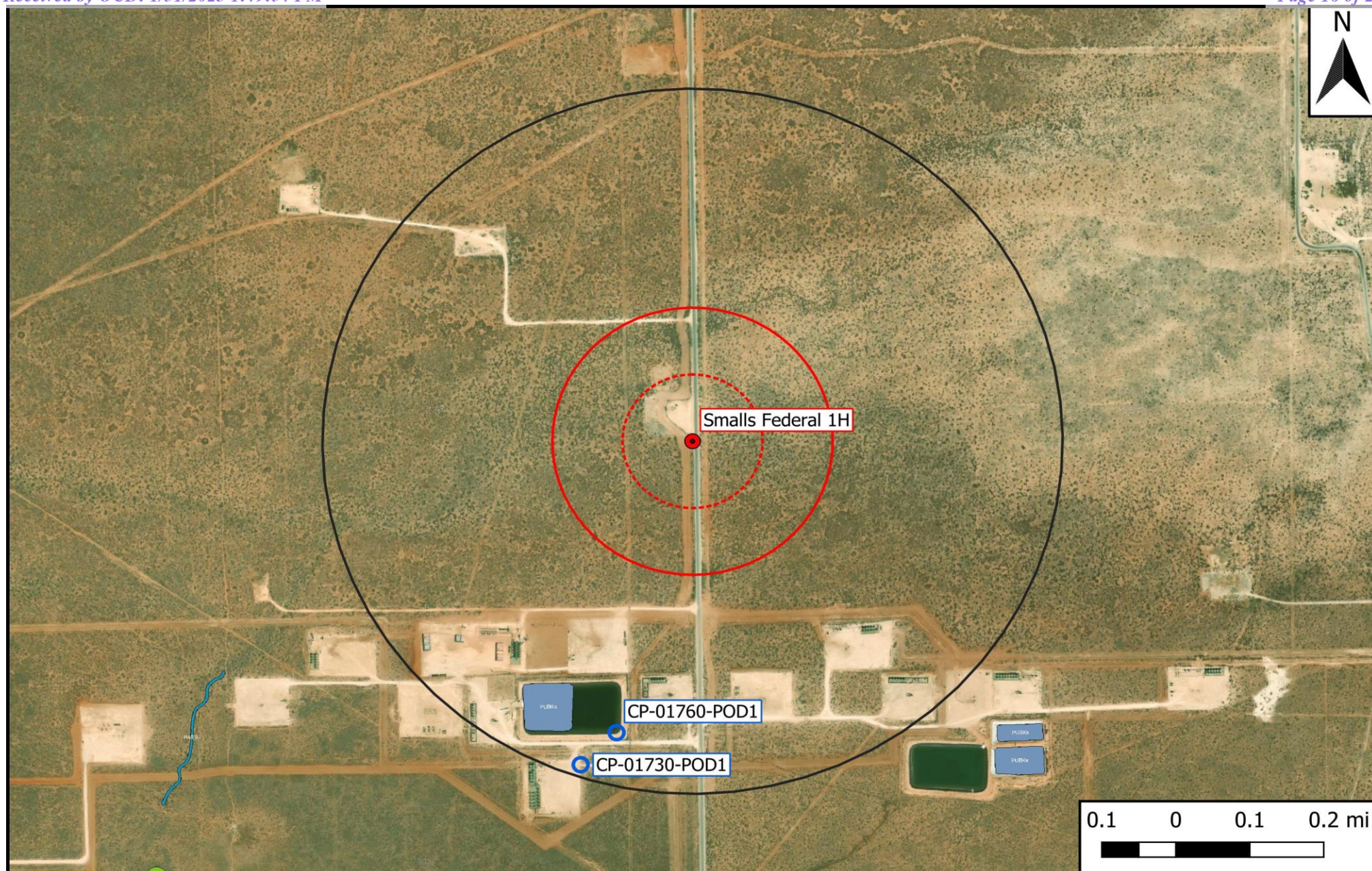
Drafted: mag

Checked: jwl

Date: 12/14/22

Figure 2

Aerial Proximity Map



Legend

- Site Location
- Well - NMOSE
- Well - USGS
- Potash Mine Workings
- Medium/High Karst
- 500 Ft Radius
- 1000 Ft Radius
- 0.5 Mi Radius
- 1% Annual Flood Chance
- Lake/Freshwater Pond
- Emergent/Forested Wetlands
- Riverine

Figure 2

Aerial Proximity Map
 ConocoPhillips Company
 Smalls Federal 1H
 GPS: 32.31665, -103.47247
 Lea County

eTECH
 Environmental & Safety Solutions, Inc.

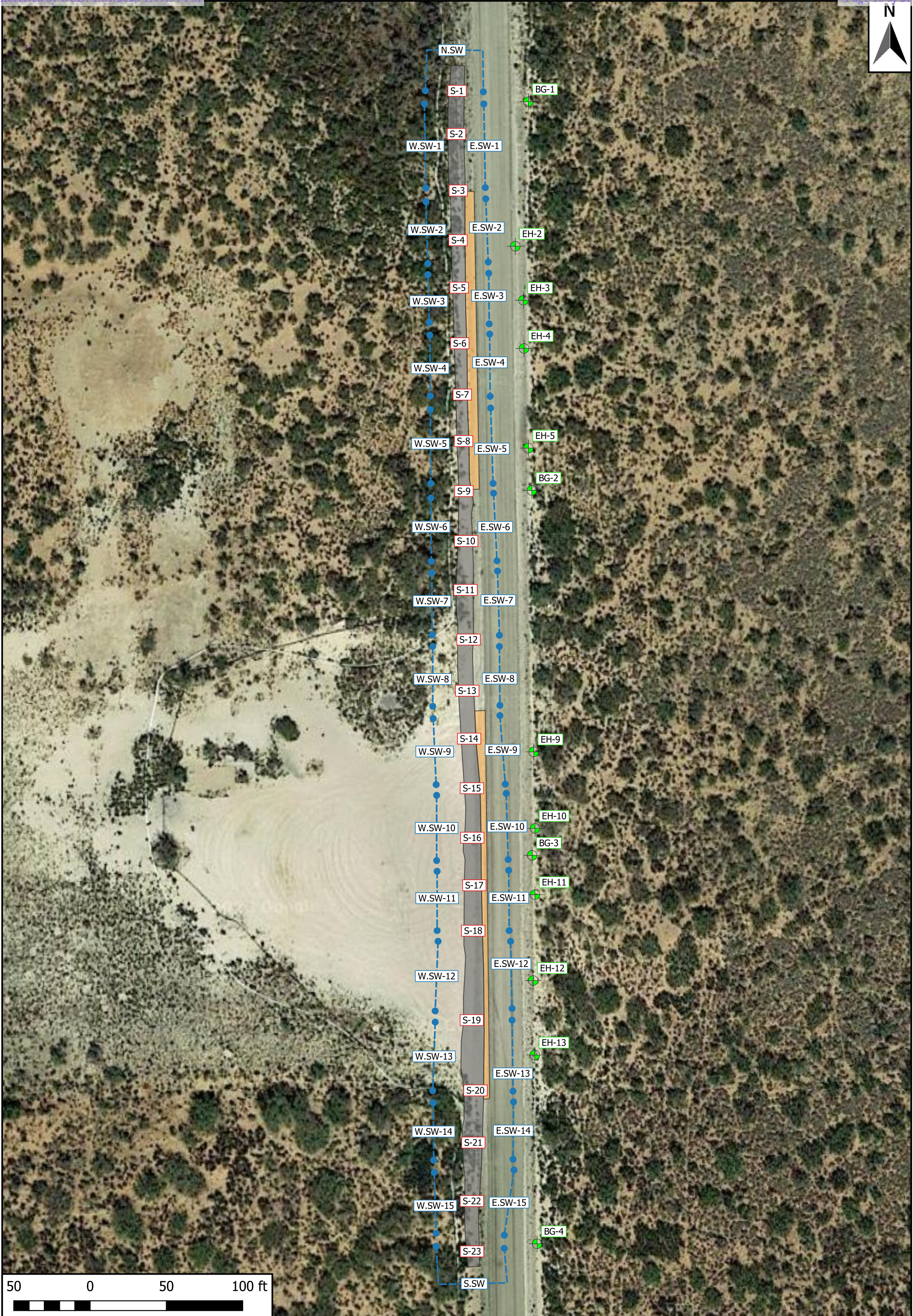
Drafted: mag

Checked: jwl

Date: 12/14/22

Figure 3

Site and Sample Location Map



Legend - Background Sample - Floor Confirmation Sample - Wall Confirmation Sample - Proposed Deferral Area - Excavation	Figure 3 Site and Sample Location Map ConocoPhillips Smalls Federal 1H GPS: 32.31665,-103.47247 Lea County, NM	 Drafted: MAG Checked: JWL Date: 1/5/2023
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Table 1
Concentrations of BTEX, TPH, and Chloride in Soil

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
ConocoPhillips Company
Smalls Federal 1H
NMOCD Ref. #: NDHR1917938878

NMOCD Closure Criteria				10	50	-	-	1,000	-	2,500	20,000
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
Background Samples											
BG-1	1/7/2021	0	In-Situ	<0.00199	<0.001990	<49.9	<49.9	<49.9	<49.9	<49.90	<9.90
BG-2	1/7/2021	0	In-Situ	<0.00200	<0.002000	<50.0	<50.0	<50.0	<50.0	<50.00	11.6
BG-3	1/7/2021	0	In-Situ	<0.00198	<0.001980	<50.0	<50.0	<50.0	<50.0	<50.00	<10.1
BG-4	1/7/2021	0	In-Situ	<0.00200	<0.002000	<49.8	<49.8	<49.8	<49.8	<49.80	13.0
EH - 2	12/30/2022	0	In-Situ	-	-	-	-	-	-	-	32.0
EH - 3	12/30/2022	0	In-Situ	-	-	-	-	-	-	-	16.0
EH - 4	12/30/2022	0	In-Situ	-	-	-	-	-	-	-	32.0
EH - 5	12/30/2022	0	In-Situ	-	-	-	-	-	-	-	16.0
EH - 9	12/30/2022	0	In-Situ	-	-	-	-	-	-	-	16.0
EH - 10	12/30/2022	0	In-Situ	-	-	-	-	-	-	-	32.0
EH - 11	12/30/2022	0	In-Situ	-	-	-	-	-	-	-	16.0
EH - 12	12/30/2022	0	In-Situ	-	-	-	-	-	-	-	16.0
EH - 13	12/30/2022	0	In-Situ	-	-	-	-	-	-	-	32.0
Floor Confirmation Samples											
S-1	12/16/2020	4	In-Situ	ND	ND	ND	ND	ND	ND	ND	295
S-2	12/16/2020	2	Excavated	ND	ND	ND	ND	ND	ND	ND	1,400
S-2	12/21/2020	4	Excavated	<0.00198	<0.001980	<49.9	<49.9	<49.9	<49.9	<49.90	1,260
S-2 A	1/5/2021	4.5	Excavated	<0.00200	<0.002000	<50.2	<50.2	<50.2	<50.2	<50.20	913
S-2	1/7/2021	6	In-Situ	<0.00200	<0.002000	<50.2	<50.2	<50.2	<50.2	<50.20	348
S-3	12/16/2020	2	Excavated	ND	ND	ND	ND	ND	ND	ND	1,520
S-3	12/21/2020	4	Excavated	<0.00199	<0.001990	<50.0	<50.0	<50.0	<50.0	<50.00	1,180
S-3 A	1/5/2021	5	Excavated	<0.00199	<0.001990	<50.1	<50.1	<50.1	<50.1	<50.10	872
S-3	1/7/2021	6	In-Situ	<0.00200	<0.002000	<50.2	<50.2	<50.2	<50.2	<50.20	374
S-4	12/16/2020	2	Excavated	ND	ND	ND	ND	ND	ND	ND	1,640
S-4	12/21/2020	4	Excavated	<0.00200	<0.002000	<50.0	<50.0	<50.0	<50.0	<50.00	1,700
S-4 A	1/5/2021	5	In-Situ	<0.00202	<0.002020	<49.8	<49.8	<49.8	<49.8	<49.80	566
S-5	12/16/2020	2	Excavated	ND	ND	ND	ND	ND	ND	ND	1,200
S-5	12/21/2020	4	Excavated	<0.00200	<0.002000	<49.9	<49.9	<49.9	<49.9	<49.90	1,570
S-5 A	1/5/2021	5	In-Situ	<0.00202	<0.002020	<50.2	<50.2	<50.2	<50.2	<50.20	550
S-6	12/16/2020	2	Excavated	ND	ND	ND	ND	ND	ND	ND	1,170
S-6	12/21/2020	4	Excavated	<0.00198	<0.001980	<49.8	<49.8	<49.8	<49.8	<49.80	1,550
S-6 A	1/5/2021	5	In-Situ	<0.00202	<0.002020	<49.8	<49.8	<49.8	<49.8	<49.80	519
S-7	12/16/2020	3	Excavated	ND	ND	ND	ND	ND	ND	ND	1,150
S-7	12/21/2020	4	Excavated	<0.00199	<0.001990	51.6	<50.0	51.6	<50.0	51.6	1,620
S-7 A	1/5/2021	5	Excavated	<0.00202	<0.002020	<49.8	<49.8	<49.8	<49.8	<49.80	764
S-7	1/7/2021	6	In-Situ	<0.00200	<0.002000	<50.3	<50.3	<50.3	<50.3	<50.30	445
S-8	12/16/2020	3	Excavated	ND	ND	ND	ND	ND	ND	ND	1,420
S-8	12/21/2020	4	Excavated	<0.00201	<0.002010	<50.0	<50.0	<50.0	<50.0	<50.00	1,500
S-8	1/7/2021	6	In-Situ	<0.00202	<0.002020	<49.9	<49.9	<49.9	<49.9	<49.90	447
S-9	12/16/2020	4	Excavated	ND	ND	ND	ND	ND	ND	ND	923

Dash (-): Sample not analyzed for that constituent.

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
ConocoPhillips Company
Smalls Federal 1H
NMOCD Ref. #: NDHR1917938878

NMOCD Closure Criteria				10	50	-	-	1,000	-	2,500	20,000
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
S-9	12/21/2020	5	Excavated	<0.00200	<0.002000	<49.9	<49.9	<49.9	<49.9	<49.90	1,440
S-9	1/7/2021	6	In-Situ	<0.00200	<0.002000	<50.1	<50.1	<50.1	<50.1	<50.10	367
S-10	12/16/2020	4	Excavated	ND	ND	ND	ND	ND	ND	ND	771
S-10	12/21/2020	5	Excavated	<0.00200	<0.002000	<50.0	<50.0	<50.0	<50.0	<50.00	1,100
S-10	1/7/2021	6	In-Situ	<0.00199	<0.001990	<50.1	<50.1	<50.1	<50.1	<50.10	386
S-11	12/16/2020	4	Excavated	ND	ND	ND	ND	ND	ND	ND	709
S-11	12/21/2020	5	In-Situ	<0.00199	<0.001990	<50.0	<50.0	<50.0	<50.0	<50.00	462
S-12	12/16/2020	4	Excavated	ND	ND	ND	ND	ND	ND	ND	632
S-12	12/21/2020	5	In-Situ	<0.00198	<0.001980	<49.8	<49.8	<49.8	<49.8	<49.80	445
S-13	12/16/2020	4	Excavated	ND	ND	ND	ND	ND	ND	ND	781
S-13	12/21/2020	5	In-Situ	<0.00201	<0.002010	<49.9	<49.9	<49.9	<49.9	<49.90	529
S-14	12/16/2020	4	In-Situ	ND	ND	ND	ND	ND	ND	ND	86.6
S-15	12/16/2020	4	In-Situ	ND	ND	ND	ND	ND	ND	ND	510
S-16	12/16/2020	4	Excavated	ND	ND	ND	ND	ND	ND	ND	1,080
S-16	12/21/2020	5	In-Situ	<0.00201	<0.002010	<50.0	<50.0	<50.0	<50.0	<50.00	537
S-17	12/16/2020	4	Excavated	ND	ND	ND	ND	ND	ND	ND	1,140
S-17	12/21/2020	5	In-Situ	<0.00201	<0.002010	<50.0	<50.0	<50.0	<50.0	<50.00	398
S-18	12/16/2020	4	Excavated	ND	ND	ND	ND	ND	ND	ND	1,230
S-18	12/21/2020	5	In-Situ	<0.00200	<0.002000	<49.9	<49.9	<49.9	<49.9	<49.90	12.4
S-19	12/16/2020	4	In-Situ	ND	ND	ND	ND	ND	ND	ND	136
S-20	12/16/2020	4	Excavated	ND	ND	ND	ND	ND	ND	ND	941
S-20	12/21/2020	5	In-Situ	<0.00200	<0.002000	<50.0	<50.0	<50.0	<50.0	<50.00	11.7
S-21	12/16/2020	4	In-Situ	ND	ND	ND	ND	ND	ND	ND	85.4
S-22	12/16/2020	4	In-Situ	ND	ND	ND	ND	ND	ND	ND	509
S-23	12/16/2020	2	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
Sidewall Confirmation Samples											
E.SW-1	12/16/2020	0-4	In-Situ	ND	ND	ND	ND	ND	ND	ND	167
E.SW-2	12/16/2020	0-2	Deferred	ND	ND	ND	ND	ND	ND	ND	809
E.SW-3	12/16/2020	0-2	Deferred	ND	ND	ND	ND	ND	ND	ND	627
E.SW-4	12/16/2020	0-3	Deferred	ND	ND	ND	ND	ND	ND	ND	1,030
E.SW-5	12/16/2020	0-4	Deferred	ND	ND	ND	ND	ND	ND	ND	673
E.SW-6	12/16/2020	0-4	In-Situ	ND	ND	ND	ND	ND	ND	ND	355
E.SW-7	12/16/2020	0-4	In-Situ	ND	ND	ND	ND	ND	ND	ND	419
E.SW-8	12/16/2020	0-4	In-Situ	ND	ND	ND	ND	ND	ND	ND	408
E.SW-9	12/16/2020	0-4	Deferred	ND	ND	ND	ND	ND	ND	ND	1,010
E.SW-10	12/16/2020	0-4	Deferred	ND	ND	ND	ND	ND	ND	ND	606
E.SW-11	12/16/2020	0-4	Deferred	ND	ND	ND	ND	ND	ND	ND	2,380
E.SW-12	12/16/2020	0-4	Deferred	ND	ND	ND	ND	ND	ND	ND	2,210
E.SW-13	12/16/2020	0-4	Deferred	ND	ND	ND	ND	ND	ND	ND	1,040
E.SW-14	12/16/2020	0-4	In-Situ	ND	ND	ND	ND	ND	ND	ND	143
E.SW-15	12/16/2020	0-2	In-Situ	ND	ND	ND	ND	ND	ND	ND	145

Dash (-): Sample not analyzed for that constituent.

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
ConocoPhillips Company
Smalls Federal 1H
NMOCD Ref. #: NDHR1917938878

NMOCD Closure Criteria				10	50	-	-	1,000	-	2,500	20,000
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
N.SW	12/16/2020	0-4	In-Situ	ND	ND	ND	ND	ND	ND	ND	150
S.SW	12/16/2020	0-2	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
W.SW-1	12/16/2020	0-4	Excavated	ND	ND	ND	ND	ND	ND	ND	1,660
WSW-1	12/21/2020	0-5	Excavated	<0.00198	<0.001980	55.4	84.0	139	<49.9	139	1,400
WSW-1 A	1/5/2021	0-5	In-Situ	<0.00198	<0.001980	<50.0	<50.0	<50.0	<50.0	<50.00	245
W.SW-2	12/16/2020	0-2	Excavated	ND	ND	ND	ND	ND	ND	ND	1,780
WSW-2	12/21/2020	0-4	Excavated	<0.00200	<0.002000	52.5	<50.0	52.5	<50.0	52.5	932
WSW-2 A	1/5/2021	0-5	In-Situ	<0.00200	<0.002000	<49.9	<49.9	<49.9	<49.9	<49.90	350
W.SW-3	12/16/2020	0-2	Excavated	ND	ND	ND	ND	ND	ND	ND	813
WSW-3	12/21/2020	0-4	Excavated	<0.00199	<0.001990	55.6	<50.0	55.6	<50.0	55.6	779
WSW-3 A	1/5/2021	0-5	In-Situ	<0.00198	<0.001980	<49.8	<49.8	<49.8	<49.8	<49.80	349
W.SW-4	12/16/2020	0-3	Excavated	ND	ND	ND	ND	ND	ND	ND	2,140
WSW-4	12/21/2020	0-4	Excavated	<0.00200	<0.002000	52.7	<49.9	52.7	<49.9	52.7	1,110
WSW-4 A	1/5/2021	0-5	Excavated	<0.00200	<0.002000	<49.9	<49.9	<49.9	<49.9	<49.90	1,860
W.SW-4	1/7/2021	0-6	In-Situ	<0.00198	<0.001980	<49.9	<49.9	<49.9	<49.9	<49.90	354
W.SW-5	12/16/2020	0-4	Excavated	ND	ND	ND	ND	ND	ND	ND	1,300
WSW-5	12/21/2020	0-5	Excavated	<0.00198	<0.001980	<50.2	<50.2	<50.2	<50.2	<50.20	2,390
W.SW-5	1/7/2021	0-6	In-Situ	<0.00200	<0.002000	<49.9	<49.9	<49.9	<49.9	<49.90	505
W.SW-6	12/16/2020	0-4	Excavated	ND	ND	ND	ND	ND	ND	ND	1,650
WSW-6	12/21/2020	0-5	Excavated	<0.00200	<0.002000	<50.3	51.6	51.6	<50.3	51.6	1,430
W.SW-6	1/7/2021	0-6	In-Situ	<0.00198	<0.001980	<49.9	<49.9	<49.9	<49.9	<49.90	529
W.SW-7	12/16/2020	0-4	Excavated	ND	ND	ND	ND	ND	ND	ND	1,220
WSW-7	12/21/2020	0-5	Excavated	<0.00202	<0.002020	<50.2	<50.2	<50.2	<50.2	<50.20	968
W.SW-7	1/7/2021	0-6	In-Situ	<0.00201	<0.002010	<49.9	<49.9	<49.9	<49.9	<49.90	474
W.SW-8	12/16/2020	0-4	In-Situ	ND	ND	ND	ND	ND	ND	ND	184
W.SW-9	12/16/2020	0-4	Excavated	ND	ND	ND	ND	ND	ND	ND	801
WSW-9	12/21/2020	0-5	Excavated	<0.00201	<0.002010	50.3	<50.2	50.3	<50.2	50.3	1,030
W.SW-9	1/7/2021	0-6	In-Situ	<0.00202	<0.002020	<50.3	<50.3	<50.3	<50.3	<50.30	492
W.SW-10	12/16/2020	0-4	Excavated	ND	ND	ND	ND	ND	ND	ND	2,090
WSW-10	12/21/2020	0-5	Excavated	<0.00201	<0.002010	56.9	<49.9	56.9	<49.9	56.9	607
W.SW-10	1/7/2021	0-6	In-Situ	<0.00200	<0.002000	<49.8	<49.8	<49.8	<49.8	<49.80	459
W.SW-11	12/16/2020	0-4	Excavated	ND	ND	ND	ND	ND	ND	ND	629
WSW-11	12/21/2020	0-5	Excavated	<0.00199	<0.001990	58.8	<50.1	58.8	<50.1	58.8	891
W.SW-11	1/7/2021	0-6	In-Situ	<0.00198	<0.001980	<49.8	99.5	99.5	<49.8	99.5	539
W.SW-12	12/16/2020	0-4	Excavated	ND	ND	ND	ND	ND	ND	ND	1,140
WSW-12	12/21/2020	0-5	Excavated	<0.00199	<0.001990	<49.9	<49.9	<49.9	<49.9	<49.90	790
W.SW-12	1/7/2021	0-6	In-Situ	<0.00200	<0.002000	<5.05	<5.05	<5.05	<5.05	<5.050	439
W.SW-13	12/16/2020	0-4	Excavated	ND	ND	ND	ND	ND	ND	ND	1,270
WSW-13	12/21/2020	0-5	Excavated	<0.00200	<0.002000	<50.1	<50.1	<50.1	<50.1	<50.10	903
W.SW-13	1/7/2021	0-6	In-Situ	<0.00199	<0.001990	<50.2	<50.2	<50.2	<50.2	<50.20	378
W.SW-14	12/16/2020	0-4	Excavated	ND	ND	ND	ND	ND	ND	ND	936

Dash (-): Sample not analyzed for that constituent.

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

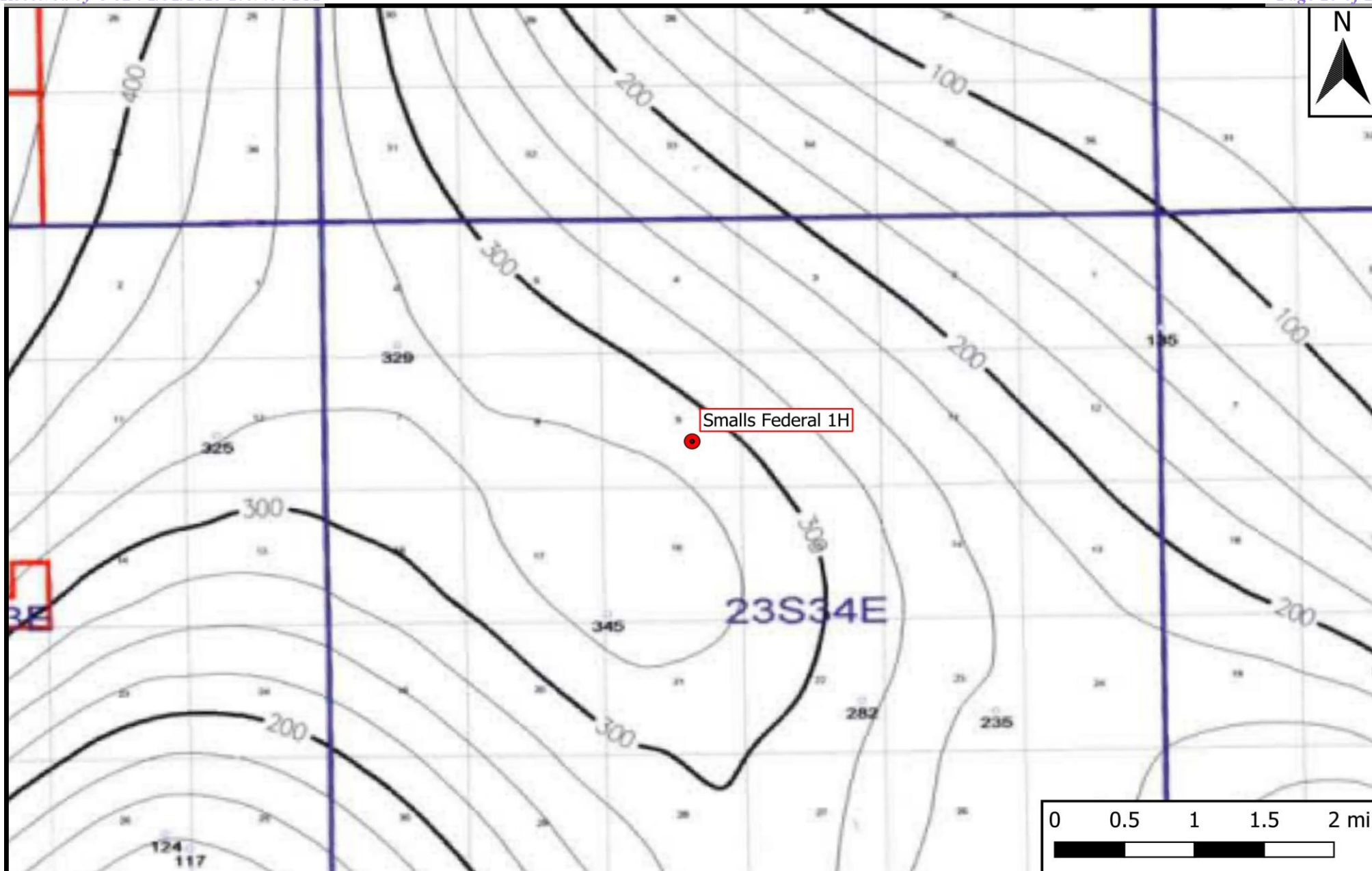
Table 1 Concentrations of BTEX, TPH, and Chloride in Soil ConocoPhillips Company Smalls Federal 1H NMOCD Ref. #: NDHR1917938878												
NMOCD Closure Criteria				10	50	-	-	1,000	-	2,500	20,000	
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600	
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl	
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)	
W.SW-14	1/7/2021	0-6	In-Situ	<0.00200	<0.002000	<50.1	<50.1	<50.1	<50.1	<50.10	383	
W.SW-15	12/16/2020	0-2	In-Situ	ND	ND	ND	ND	ND	ND	ND	24.2	

Dash (-): Sample not analyzed for that constituent.

Bold: NMOCD Closure Criteria exceedance.**Red:** NMOCD Reclamation Standard exceedance.

Appendix A

Depth to Groundwater Information

**Legend**

- Site Location

Figure 4

Inferred Depth to Groundwater Trend Map
ConocoPhillips Company
Smalls Federal 1H
GPS: 32.31665, -103.47247
Lea County



Drafted: mag

Checked: jwl

Date: 12/14/22



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	Tw	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 01760 POD1		CP	LE	3	1	2	16	23S	34E	643627	3575897	682	767	290	477
CP 01730 POD1		CP	LE	2	2	1	16	23S	34E	643549	3575824	774	594	200	394

Average Depth to Water: **245 feet**

Minimum Depth: **200 feet**

Maximum Depth: **290 feet**

Record Count: 2

UTM NAD83 Radius Search (in meters):

Easting (X): 643792.66

Northing (Y): 3576559.69

Radius: 804.67

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12/14/22 10:59 AM

WATER COLUMN/ AVERAGE DEPTH TO
WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)				(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y		
NA	CP 01730 POD1	2	2	1	16	23S	34E	643549	3575824		
Driller License:		1706		Driller Company:			ELITE DRILLERS CORPORATION				
Driller Name:		WALLACE, BRYCE J.									
Drill Start Date:		10/31/2018		Drill Finish Date:			11/05/2018		Plug Date:		
Log File Date:		12/13/2018		PCW Rev Date:					Source:		Artesian
Pump Type:					Pipe Discharge Size:					Estimated Yield: 320 GPM	
Casing Size:		7.60		Depth Well:			594 feet		Depth Water:		200 feet
Water Bearing Stratifications:				Top	Bottom	Description					
				290	320	Sandstone/Gravel/Conglomerate					
				320	350	Sandstone/Gravel/Conglomerate					
				350	440	Sandstone/Gravel/Conglomerate					
				440	490	Sandstone/Gravel/Conglomerate					
				490	530	Sandstone/Gravel/Conglomerate					
				530	550	Sandstone/Gravel/Conglomerate					
				550	570	Sandstone/Gravel/Conglomerate					
				570	580	Sandstone/Gravel/Conglomerate					
Casing Perforations:				Top	Bottom						
				294	594						

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POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	CP 01760 POD1	3	1	2	16	23S	34E	643627	3575897 

Driller License:	1706	Driller Company:	ELITE DRILLERS CORPORATION	
Driller Name:	WALLACE, BRYCE J.LEE.NER			
Drill Start Date:	02/01/2020	Drill Finish Date:	03/15/2020	Plug Date:
Log File Date:	04/09/2020	PCW Rev Date:		Source: Artesian
Pump Type:		Pipe Discharge Size:		Estimated Yield: 80 GPM
Casing Size:	8.00	Depth Well:	767 feet	Depth Water: 290 feet

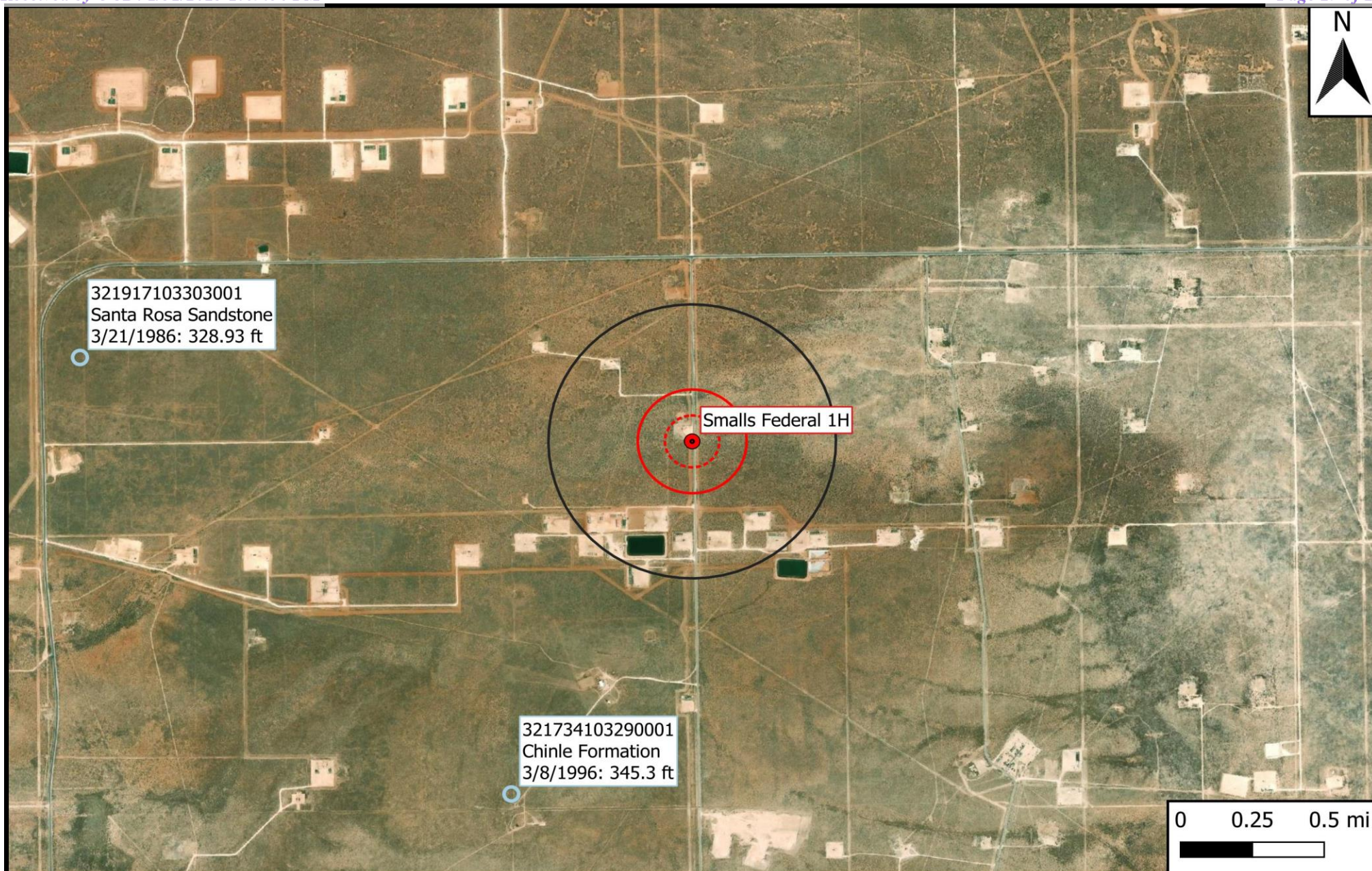
Water Bearing Stratifications:	Top	Bottom	Description
	285	320	Sandstone/Gravel/Conglomerate
	320	350	Shale/Mudstone/Siltstone
	350	445	Sandstone/Gravel/Conglomerate
	445	495	Shale/Mudstone/Siltstone
	495	530	Sandstone/Gravel/Conglomerate
	530	555	Sandstone/Gravel/Conglomerate
	555	570	Sandstone/Gravel/Conglomerate
	570	585	Sandstone/Gravel/Conglomerate
	585	600	Shale/Mudstone/Siltstone
	600	630	Shale/Mudstone/Siltstone
	630	660	Sandstone/Gravel/Conglomerate
	660	710	Sandstone/Gravel/Conglomerate
	710	750	Limestone/Dolomite/Chalk

Casing Perforations:	Top	Bottom
	567	767

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POINT OF DIVERSION SUMMARY

**Legend**

- Site Location
- Well - USGS
- ⋯ 500 Ft Radius
- ▭ 1000 Ft Radius
- ▭ 0.5 Mi Radius

Figure 5

USGS Well Proximity Map
ConocoPhillips Company
Smalls Federal 1H
GPS: 32.31665, -103.47247
Lea County



Drafted: mag

Checked: jwl

Date: 12/14/22



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USGS 321734103290001 23S.34E.16.333312

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Groundwater: Field measurements

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Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°17'53", Longitude 103°28'59" NAD27

Land-surface elevation 3,478.00 feet above NGVD29

The depth of the well is 400 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Chinle Formation (231CHNL) local aquifer.

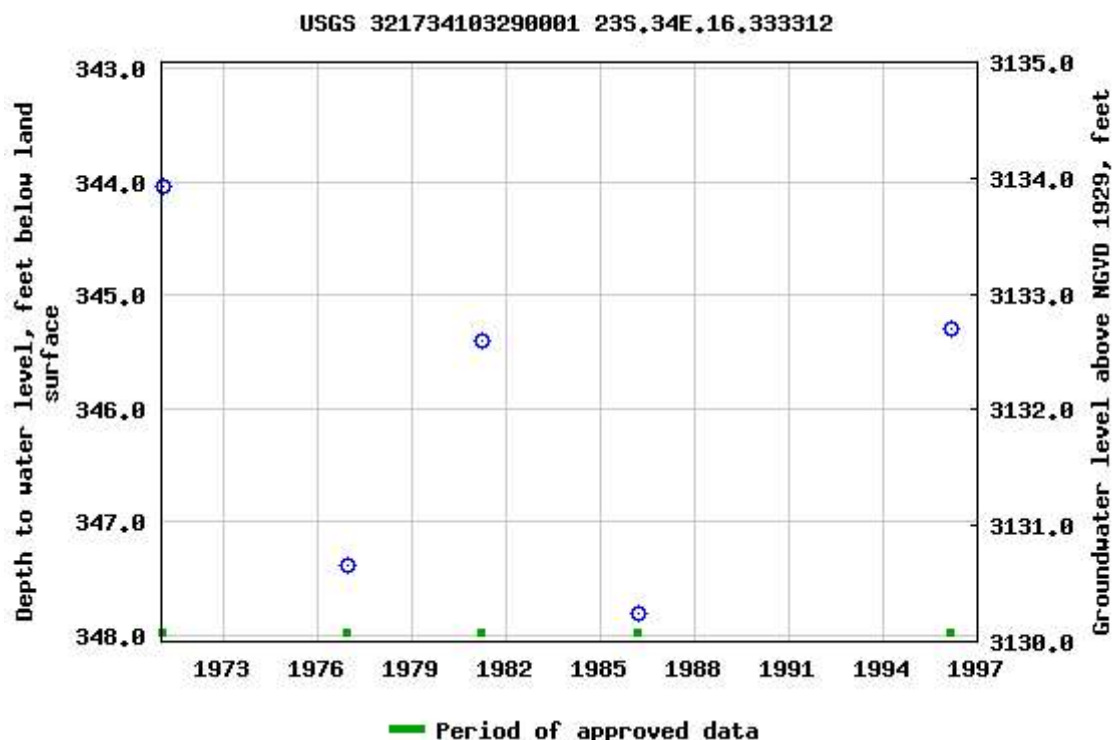
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site_no list =

- 321917103303001

Minimum number of levels = 1

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USGS 321917103303001 23S.34E.06.43314

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°19'17", Longitude 103°30'30" NAD27

Land-surface elevation 3,480 feet above NAVD88

The depth of the well is 640 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

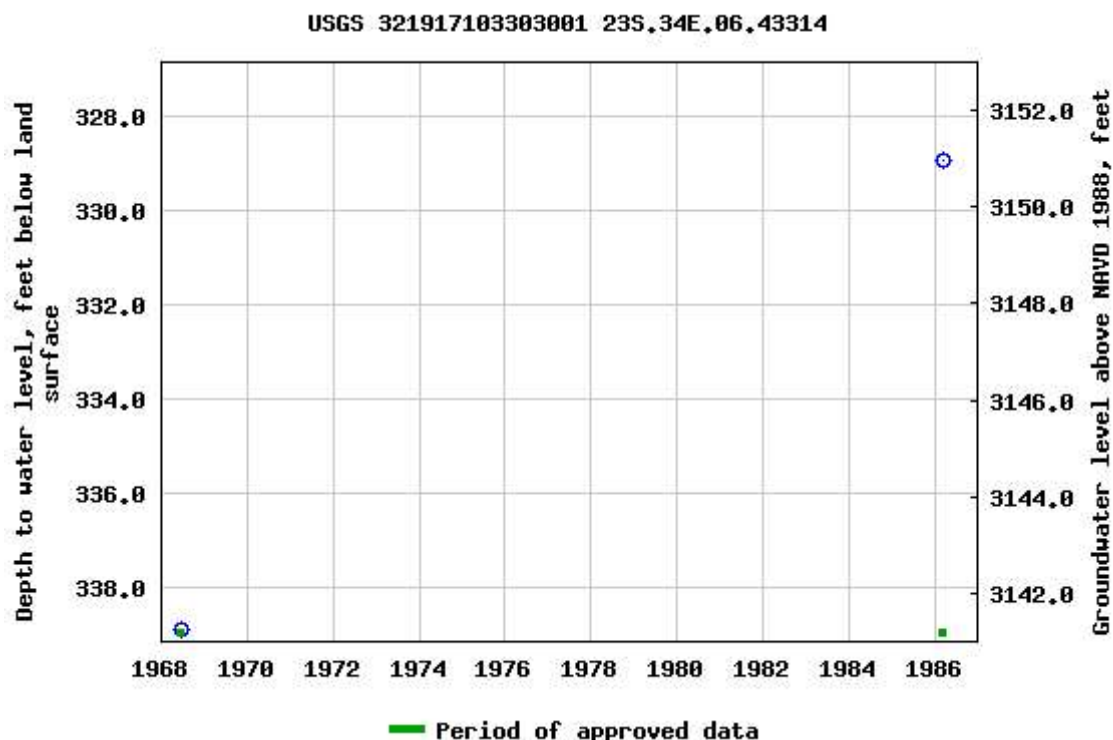
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0.56 0.48 nadww01



Appendix B

Field Data



Sample Log

Date: 12/30/2022

Project: Smalls Federal 1H

Project Number:	17255	Latitude:	32.31665	Longitude:	-103.47247
-----------------	-------	-----------	----------	------------	------------

[illegible]

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples= SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

Appendix C

Laboratory Analytical Reports

Certificate of Analysis Summary 682106



Talon LPE-Artesia, Artesia, NM

Project Name: Smalls Fed #1H (Smalls)

Project Id: 70078.123.02

Date Received in Lab: Mon 12.21.2020 15:05

Contact: David Adkins

Report Date: 12.29.2020 11:43

Project Location: Lea County, New Mexico

Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	682106-001	682106-002	682106-003	682106-004	682106-005	682106-006
	<i>Field Id:</i>	S-2	S-3	S-4	S-5	S-6	S-7
	<i>Depth:</i>	4- ft	4- ft	4- ft	4- ft	4- ft	4- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	12.21.2020 10:00	12.21.2020 10:10	12.21.2020 10:20	12.21.2020 10:30	12.21.2020 10:40	12.21.2020 10:50
BTEX by EPA 8021B	<i>Extracted:</i>	12.21.2020 17:00	12.21.2020 17:00	12.21.2020 17:00	12.21.2020 17:00	12.21.2020 17:00	12.21.2020 17:00
	<i>Analyzed:</i>	12.21.2020 19:00	12.21.2020 19:23	12.21.2020 19:45	12.21.2020 21:27	12.21.2020 21:50	12.21.2020 22:13
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00199 0.00199
Toluene		<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00199 0.00199
Ethylbenzene		<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00199 0.00199
m,p-Xylenes		<0.00397 0.00397	<0.00398 0.00398	<0.00399 0.00399	<0.00399 0.00399	<0.00397 0.00397	<0.00398 0.00398
o-Xylene		<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00199 0.00199
Total Xylenes		<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00199 0.00199
Total BTEX		<0.001980 0.001980	<0.001990 0.001990	<0.002000 0.002000	<0.002000 0.002000	<0.001980 0.001980	<0.001990 0.001990
Chloride by EPA 300	<i>Extracted:</i>	12.21.2020 16:28	12.21.2020 16:28	12.21.2020 16:28	12.21.2020 16:28	12.21.2020 16:28	12.21.2020 16:28
	<i>Analyzed:</i>	12.21.2020 19:21	12.21.2020 19:39	12.21.2020 19:45	12.21.2020 19:51	12.21.2020 19:56	12.21.2020 20:14
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		1260 9.92	1180 9.98	1700 50.4	1570 49.6	1550 50.4	1620 50.5
TPH by SW8015 Mod SUB: T104704400-20-21	<i>Extracted:</i>	12.24.2020 12:00	12.24.2020 12:00	12.24.2020 12:00	12.24.2020 12:00	12.24.2020 12:00	12.24.2020 12:00
	<i>Analyzed:</i>	12.24.2020 21:03	12.24.2020 21:57	12.24.2020 22:15	12.24.2020 22:33	12.24.2020 22:52	12.24.2020 23:10
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<49.9 49.9	<50.0 50.0	<50.0 50.0	<49.9 49.9	<49.8 49.8	51.6 50.0
Diesel Range Organics (DRO)		<49.9 49.9	<50.0 50.0	<50.0 50.0	<49.9 49.9	<49.8 49.8	<50.0 50.0
Motor Oil Range Hydrocarbons (MRO)		<49.9 49.9	<50.0 50.0	<50.0 50.0	<49.9 49.9	<49.8 49.8	<50.0 50.0
Total TPH		<49.90 49.90	<50.00 50.00	<50.00 50.00	<49.90 49.90	<49.80 49.80	51.60 50.00

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Certificate of Analysis Summary 682106



Talon LPE-Artesia, Artesia, NM

Project Name: Smalls Fed #1H (Smalls)

Project Id: 70078.123.02

Date Received in Lab: Mon 12.21.2020 15:05

Contact: David Adkins

Report Date: 12.29.2020 11:43

Project Location: Lea County, New Mexico

Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	682106-007	682106-008	682106-009	682106-010	682106-011	682106-012
	<i>Field Id:</i>	S-8	S-9	S-10	S-11	S-12	S-13
	<i>Depth:</i>	4- ft	5- ft	5- ft	5- ft	5- ft	5- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	12.21.2020 11:00	12.21.2020 11:10	12.21.2020 11:20	12.21.2020 11:30	12.21.2020 11:40	12.21.2020 11:50
BTEX by EPA 8021B	<i>Extracted:</i>	12.21.2020 17:00	12.21.2020 17:00	12.21.2020 17:00	12.21.2020 17:00	12.21.2020 17:00	12.21.2020 17:00
	<i>Analyzed:</i>	12.21.2020 22:35	12.21.2020 22:58	12.21.2020 23:20	12.21.2020 23:43	12.22.2020 00:05	12.22.2020 00:28
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198	<0.00201 0.00201
Toluene		<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198	<0.00201 0.00201
Ethylbenzene		<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198	<0.00201 0.00201
m,p-Xylenes		<0.00402 0.00402	<0.00401 0.00401	<0.00399 0.00399	<0.00398 0.00398	<0.00397 0.00397	<0.00402 0.00402
o-Xylene		<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198	<0.00201 0.00201
Total Xylenes		<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198	<0.00201 0.00201
Total BTEX		<0.002010 0.002010	<0.002000 0.002000	<0.002000 0.002000	<0.001990 0.001990	<0.001980 0.001980	<0.002010 0.002010
Chloride by EPA 300	<i>Extracted:</i>	12.21.2020 16:28	12.21.2020 16:28	12.21.2020 16:28	12.21.2020 16:28	12.21.2020 16:28	12.21.2020 16:28
	<i>Analyzed:</i>	12.21.2020 20:20	12.21.2020 20:26	12.21.2020 20:32	12.21.2020 20:38	12.21.2020 20:44	12.21.2020 21:02
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		1500 49.8	1440 50.5	1100 9.94	462 10.1	445 9.94	529 9.96
TPH by SW8015 Mod SUB: T104704400-20-21	<i>Extracted:</i>	12.24.2020 12:00	12.24.2020 12:00	12.24.2020 12:00	12.24.2020 12:00	12.24.2020 12:00	12.24.2020 12:00
	<i>Analyzed:</i>	12.24.2020 23:28	12.24.2020 23:46	12.25.2020 00:04	12.25.2020 00:22	12.25.2020 00:59	12.25.2020 01:17
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.0 50.0	<49.9 49.9	<50.0 50.0	<50.0 50.0	<49.8 49.8	<49.9 49.9
Diesel Range Organics (DRO)		<50.0 50.0	<49.9 49.9	<50.0 50.0	<50.0 50.0	<49.8 49.8	<49.9 49.9
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<49.9 49.9	<50.0 50.0	<50.0 50.0	<49.8 49.8	<49.9 49.9
Total TPH		<50.00 50.00	<49.90 49.90	<50.00 50.00	<50.00 50.00	<49.80 49.80	<49.90 49.90

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Certificate of Analysis Summary 682106



Talon LPE-Artesia, Artesia, NM

Project Name: Smalls Fed #1H (Smalls)

Project Id: 70078.123.02

Date Received in Lab: Mon 12.21.2020 15:05

Contact: David Adkins

Report Date: 12.29.2020 11:43

Project Location: Lea County, New Mexico

Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	682106-013	682106-014	682106-015	682106-016	682106-017	682106-018
	<i>Field Id:</i>	S-16	S-17	S-18	S-20	WSW-1	WSW-2
	<i>Depth:</i>	5- ft	5- ft	5- ft	5- ft	5- ft	4- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	12.21.2020 12:00	12.21.2020 12:10	12.21.2020 12:20	12.21.2020 12:30	12.21.2020 12:40	12.21.2020 12:50
BTEX by EPA 8021B	<i>Extracted:</i>	12.21.2020 17:00	12.21.2020 16:30	12.21.2020 16:30	12.21.2020 16:30	12.21.2020 16:30	12.21.2020 16:30
	<i>Analyzed:</i>	12.22.2020 00:50	12.21.2020 19:37	12.21.2020 19:59	12.21.2020 20:22	12.21.2020 20:44	12.21.2020 21:06
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00201 0.00201	<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200
Toluene		<0.00201 0.00201	<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200
Ethylbenzene		<0.00201 0.00201	<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200
m,p-Xylenes		<0.00402 0.00402	<0.00402 0.00402	<0.00399 0.00399	<0.00401 0.00401	<0.00397 0.00397	<0.00399 0.00399
o-Xylene		<0.00201 0.00201	<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200
Total Xylenes		<0.00201 0.00201	<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200
Total BTEX		<0.002010 0.002010	<0.002010 0.002010	<0.002000 0.002000	<0.002000 0.002000	<0.001980 0.001980	<0.002000 0.002000
Chloride by EPA 300	<i>Extracted:</i>	12.21.2020 16:28	12.21.2020 16:28	12.21.2020 16:28	12.21.2020 16:28	12.21.2020 16:28	12.21.2020 16:28
	<i>Analyzed:</i>	12.21.2020 21:08	12.21.2020 21:14	12.21.2020 21:20	12.21.2020 21:26	12.21.2020 21:32	12.21.2020 21:38
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		537 9.92	398 9.98	12.4 10.0	11.7 10.0	1400 49.9	932 9.94
TPH by SW8015 Mod SUB: T104704400-20-21	<i>Extracted:</i>	12.24.2020 12:00	12.24.2020 12:00	12.24.2020 12:00	12.24.2020 12:00	12.24.2020 12:00	12.24.2020 12:00
	<i>Analyzed:</i>	12.25.2020 01:35	12.25.2020 01:53	12.25.2020 02:11	12.25.2020 02:30	12.28.2020 12:23	12.28.2020 12:43
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.0 50.0	<50.0 50.0	<49.9 49.9	<50.0 50.0	55.4 49.9	52.5 50.0
Diesel Range Organics (DRO)		<50.0 50.0	<50.0 50.0	<49.9 49.9	<50.0 50.0	84.0 49.9	<50.0 50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<50.0 50.0	<49.9 49.9	<50.0 50.0	<49.9 49.9	<50.0 50.0
Total TPH		<50.00 50.00	<50.00 50.00	<49.90 49.90	<50.00 50.00	139.4 49.90	52.50 50.00

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Certificate of Analysis Summary 682106



Talon LPE-Artesia, Artesia, NM

Project Name: Smalls Fed #1H (Smalls)

Project Id: 70078.123.02

Date Received in Lab: Mon 12.21.2020 15:05

Contact: David Adkins

Report Date: 12.29.2020 11:43

Project Location: Lea County, New Mexico

Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	682106-019	682106-020	682106-021	682106-022	682106-023	682106-024
	<i>Field Id:</i>	WSW-3	WSW-4	WSW-5	WSW-6	WSW-7	WSW-9
	<i>Depth:</i>	4- ft	4- ft	5- ft	5- ft	5- ft	5- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	12.21.2020 13:00	12.21.2020 13:10	12.21.2020 13:20	12.21.2020 13:30	12.21.2020 13:40	12.21.2020 13:50
BTEX by EPA 8021B	<i>Extracted:</i>	12.21.2020 16:30	12.21.2020 16:30	12.21.2020 16:30	12.21.2020 16:30	12.21.2020 16:30	12.21.2020 16:30
	<i>Analyzed:</i>	12.21.2020 21:29	12.21.2020 21:51	12.21.2020 22:13	12.21.2020 22:36	12.21.2020 22:58	12.22.2020 00:16
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201
Toluene		<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201
Ethylbenzene		<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201
m,p-Xylenes		<0.00398 0.00398	<0.00399 0.00399	<0.00397 0.00397	<0.00401 0.00401	<0.00404 0.00404	<0.00402 0.00402
o-Xylene		<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201
Total Xylenes		<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201
Total BTEX		<0.001990 0.001990	<0.002000 0.002000	<0.001980 0.001980	<0.002000 0.002000	<0.002020 0.002020	<0.002010 0.002010
Chloride by EPA 300	<i>Extracted:</i>	12.21.2020 16:28	12.21.2020 16:28	12.21.2020 16:31	12.21.2020 16:31	12.21.2020 16:31	12.21.2020 16:31
	<i>Analyzed:</i>	12.21.2020 21:44	12.21.2020 21:50	12.21.2020 22:26	12.21.2020 22:44	12.21.2020 22:50	12.21.2020 22:56
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		779 9.96	1110 9.98	2390 49.5	1430 49.8	968 10.0	1030 10.0
TPH by SW8015 Mod SUB: T104704400-20-21	<i>Extracted:</i>	12.24.2020 12:00	12.24.2020 12:00	12.24.2020 08:24	12.24.2020 08:24	12.24.2020 08:24	12.24.2020 08:24
	<i>Analyzed:</i>	12.28.2020 13:03	12.28.2020 13:23	12.28.2020 18:16	12.28.2020 18:35	12.28.2020 19:14	12.28.2020 19:33
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		55.6 50.0	52.7 49.9	<50.2 50.2	<50.3 50.3	<50.2 50.2	50.3 50.2
Diesel Range Organics (DRO)		<50.0 50.0	<49.9 49.9	<50.2 50.2	51.6 50.3	<50.2 50.2	<50.2 50.2
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<49.9 49.9	<50.2 50.2	<50.3 50.3	<50.2 50.2	<50.2 50.2
Total TPH		55.60 50.00	52.70 49.90	<50.20 50.20	51.60 50.30	<50.20 50.20	50.30 50.20

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Certificate of Analysis Summary 682106



Talon LPE-Artesia, Artesia, NM

Project Name: Smalls Fed #1H (Smalls)

Project Id: 70078.123.02

Date Received in Lab: Mon 12.21.2020 15:05

Contact: David Adkins

Report Date: 12.29.2020 11:43

Project Location: Lea County, New Mexico

Project Manager: Jessica Kramer

Analysis Requested	Lab Id:	682106-025	682106-026	682106-027	682106-028		
	Field Id:	WSW-10	WSW-11	WSW-12	WSW-13		
	Depth:	5- ft	5- ft	5- ft	5- ft		
	Matrix:	SOIL	SOIL	SOIL	SOIL		
	Sampled:	12.21.2020 14:00	12.21.2020 14:10	12.21.2020 14:20	12.21.2020 12:30		
BTEX by EPA 8021B	Extracted:	12.21.2020 16:30	12.21.2020 16:30	12.21.2020 16:30	12.21.2020 16:30		
	Analyzed:	12.22.2020 00:38	12.22.2020 01:01	12.22.2020 01:23	12.22.2020 01:45		
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Benzene		<0.00201 0.00201	<0.00199 0.00199	<0.00199 0.00199	<0.00200 0.00200		
Toluene		<0.00201 0.00201	<0.00199 0.00199	<0.00199 0.00199	<0.00200 0.00200		
Ethylbenzene		<0.00201 0.00201	<0.00199 0.00199	<0.00199 0.00199	<0.00200 0.00200		
m,p-Xylenes		<0.00402 0.00402	<0.00398 0.00398	<0.00398 0.00398	<0.00399 0.00399		
o-Xylene		<0.00201 0.00201	<0.00199 0.00199	<0.00199 0.00199	<0.00200 0.00200		
Total Xylenes		<0.00201 0.00201	<0.00199 0.00199	<0.00199 0.00199	<0.00200 0.00200		
Total BTEX		<0.002010 0.002010	<0.001990 0.001990	<0.001990 0.001990	<0.002000 0.002000		
Chloride by EPA 300	Extracted:	12.21.2020 16:31	12.21.2020 16:31	12.21.2020 16:31	12.21.2020 16:31		
	Analyzed:	12.21.2020 23:02	12.21.2020 23:20	12.21.2020 23:26	12.21.2020 23:32		
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Chloride		607 9.92	891 9.96	790 9.96	903 9.98		
TPH by SW8015 Mod SUB: T104704400-20-21	Extracted:	12.24.2020 08:24	12.24.2020 08:24	12.24.2020 08:24	12.24.2020 08:24		
	Analyzed:	12.28.2020 19:52	12.28.2020 20:12	12.28.2020 20:31	12.28.2020 20:50		
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Gasoline Range Hydrocarbons (GRO)		56.9 49.9	58.8 50.1	<49.9 49.9	<50.1 50.1		
Diesel Range Organics (DRO)		<49.9 49.9	<50.1 50.1	<49.9 49.9	<50.1 50.1		
Motor Oil Range Hydrocarbons (MRO)		<49.9 49.9	<50.1 50.1	<49.9 49.9	<50.1 50.1		
Total TPH		56.90 49.90	58.80 50.10	<49.90 49.90	<50.10 50.10		

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Analytical Report 682106

for

Talon LPE-Artesia

Project Manager: David Adkins

Smalls Fed #1H (Smalls)

70078.123.02

12.29.2020

Collected By: Client

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

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

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

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TN102385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)



12.29.2020

Project Manager: **David Adkins**

Talon LPE-Artesia

408 West Texas St.

Artesia, NM 88210

Reference: Eurofins Xenco, LLC Report No(s): **682106**

Smalls Fed #1H (Smalls)

Project Address: Lea County, New Mexico

David Adkins:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 682106. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 682106 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

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

Jessica Kramer

Project Manager

A Small Business and Minority Company

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



Sample Cross Reference 682106

Talon LPE-Artesia, Artesia, NM

Smalls Fed #1H (Smalls)

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
S-2	S	12.21.2020 10:00	4 ft	682106-001
S-3	S	12.21.2020 10:10	4 ft	682106-002
S-4	S	12.21.2020 10:20	4 ft	682106-003
S-5	S	12.21.2020 10:30	4 ft	682106-004
S-6	S	12.21.2020 10:40	4 ft	682106-005
S-7	S	12.21.2020 10:50	4 ft	682106-006
S-8	S	12.21.2020 11:00	4 ft	682106-007
S-9	S	12.21.2020 11:10	5 ft	682106-008
S-10	S	12.21.2020 11:20	5 ft	682106-009
S-11	S	12.21.2020 11:30	5 ft	682106-010
S-12	S	12.21.2020 11:40	5 ft	682106-011
S-13	S	12.21.2020 11:50	5 ft	682106-012
S-16	S	12.21.2020 12:00	5 ft	682106-013
S-17	S	12.21.2020 12:10	5 ft	682106-014
S-18	S	12.21.2020 12:20	5 ft	682106-015
S-20	S	12.21.2020 12:30	5 ft	682106-016
WSW-1	S	12.21.2020 12:40	5 ft	682106-017
WSW-2	S	12.21.2020 12:50	4 ft	682106-018
WSW-3	S	12.21.2020 13:00	4 ft	682106-019
WSW-4	S	12.21.2020 13:10	4 ft	682106-020
WSW-5	S	12.21.2020 13:20	5 ft	682106-021
WSW-6	S	12.21.2020 13:30	5 ft	682106-022
WSW-7	S	12.21.2020 13:40	5 ft	682106-023
WSW-9	S	12.21.2020 13:50	5 ft	682106-024
WSW-10	S	12.21.2020 14:00	5 ft	682106-025
WSW-11	S	12.21.2020 14:10	5 ft	682106-026
WSW-12	S	12.21.2020 14:20	5 ft	682106-027
WSW-13	S	12.21.2020 12:30	5 ft	682106-028

**CASE NARRATIVE****Client Name: Talon LPE-Artesia****Project Name: Smalls Fed #1H (Smalls)**Project ID: 70078.123.02
Work Order Number(s): 682106Report Date: 12.29.2020
Date Received: 12.21.2020**Sample receipt non conformances and comments:****Sample receipt non conformances and comments per sample:**

None

Analytical non conformances and comments:

Batch: LBA-3146103 TPH by SW8015 Mod

Surrogate 1-Chlorooctane recovered below QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 682106-017.

Surrogate o-Terphenyl recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 682106-017.

Batch: LBA-3146183 TPH by SW8015 Mod

Surrogate 1-Chlorooctane recovered below QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 682106-024,682106-025,682106-028.

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

Samples affected are: 682106-024,682106-028.



Certificate of Analytical Results 682106

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: S-2 Matrix: Soil Date Received: 12.21.2020 15:05
 Lab Sample Id: 682106-001 Date Collected: 12.21.2020 10:00 Sample Depth: 4 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.21.2020 16:28 % Moisture:
 Seq Number: 3145672 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1260	9.92	mg/kg	12.21.2020 19:21		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: DVM Date Prep: 12.24.2020 12:00 % Moisture:
 Seq Number: 3146103 Basis: Wet Weight
 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.24.2020 21:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.24.2020 21:03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.24.2020 21:03	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	12.24.2020 21:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-130	12.24.2020 21:03	
o-Terphenyl	84-15-1	90	%	70-130	12.24.2020 21:03	



Certificate of Analytical Results 682106

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: S-2
Lab Sample Id: 682106-001

Matrix: Soil
Date Collected: 12.21.2020 10:00

Date Received: 12.21.2020 15:05
Sample Depth: 4 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 12.21.2020 17:00

% Moisture:
Basis: Wet Weight

Seq Number: 3145643

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	12.21.2020 19:00	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	12.21.2020 19:00	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	12.21.2020 19:00	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	12.21.2020 19:00	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	12.21.2020 19:00	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	12.21.2020 19:00	U	1
Total BTEX		<0.001980	0.001980	mg/kg	12.21.2020 19:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	119	%	70-130	12.21.2020 19:00	
1,4-Difluorobenzene	540-36-3	106	%	70-130	12.21.2020 19:00	



Certificate of Analytical Results 682106

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: S-3 Matrix: Soil Date Received: 12.21.2020 15:05
 Lab Sample Id: 682106-002 Date Collected: 12.21.2020 10:10 Sample Depth: 4 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.21.2020 16:28 % Moisture:
 Seq Number: 3145672 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1180	9.98	mg/kg	12.21.2020 19:39		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: DVM Date Prep: 12.24.2020 12:00 % Moisture:
 Seq Number: 3146103 Basis: Wet Weight
 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.24.2020 21:57	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.24.2020 21:57	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.24.2020 21:57	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	12.24.2020 21:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	81	%	70-130	12.24.2020 21:57	
o-Terphenyl	84-15-1	86	%	70-130	12.24.2020 21:57	



Certificate of Analytical Results 682106

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: S-3
Lab Sample Id: 682106-002

Matrix: Soil
Date Collected: 12.21.2020 10:10

Date Received: 12.21.2020 15:05
Sample Depth: 4 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 12.21.2020 17:00

% Moisture:
Basis: Wet Weight

Seq Number: 3145643

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.21.2020 19:23	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.21.2020 19:23	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.21.2020 19:23	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.21.2020 19:23	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.21.2020 19:23	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	12.21.2020 19:23	U	1
Total BTEX		<0.001990	0.001990	mg/kg	12.21.2020 19:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	120	%	70-130	12.21.2020 19:23	
1,4-Difluorobenzene	540-36-3	105	%	70-130	12.21.2020 19:23	



Certificate of Analytical Results 682106

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **S-4** Matrix: Soil Date Received: 12.21.2020 15:05
 Lab Sample Id: 682106-003 Date Collected: 12.21.2020 10:20 Sample Depth: 4 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.21.2020 16:28 % Moisture:
 Seq Number: 3145672 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1700	50.4	mg/kg	12.21.2020 19:45		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: DVM Date Prep: 12.24.2020 12:00 % Moisture:
 Seq Number: 3146103 Basis: Wet Weight
 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.24.2020 22:15	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.24.2020 22:15	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.24.2020 22:15	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	12.24.2020 22:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-130	12.24.2020 22:15	
o-Terphenyl	84-15-1	91	%	70-130	12.24.2020 22:15	



Certificate of Analytical Results 682106

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **S-4** Matrix: **Soil** Date Received: 12.21.2020 15:05
 Lab Sample Id: 682106-003 Date Collected: 12.21.2020 10:20 Sample Depth: 4 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: **MAB**
 Analyst: **MAB** Date Prep: 12.21.2020 17:00 % Moisture:
 Seq Number: 3145643 Basis: **Wet Weight**

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.21.2020 19:45	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.21.2020 19:45	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.21.2020 19:45	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	12.21.2020 19:45	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.21.2020 19:45	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	12.21.2020 19:45	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.21.2020 19:45	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	122	%	70-130	12.21.2020 19:45		
1,4-Difluorobenzene	540-36-3	106	%	70-130	12.21.2020 19:45		



Certificate of Analytical Results 682106

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: S-5 Matrix: Soil Date Received: 12.21.2020 15:05
 Lab Sample Id: 682106-004 Date Collected: 12.21.2020 10:30 Sample Depth: 4 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.21.2020 16:28 % Moisture:
 Seq Number: 3145672 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1570	49.6	mg/kg	12.21.2020 19:51		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: DVM Date Prep: 12.24.2020 12:00 % Moisture:
 Seq Number: 3146103 Basis: Wet Weight
 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.24.2020 22:33	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.24.2020 22:33	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.24.2020 22:33	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	12.24.2020 22:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-130	12.24.2020 22:33	
o-Terphenyl	84-15-1	92	%	70-130	12.24.2020 22:33	



Certificate of Analytical Results 682106

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: S-5
Lab Sample Id: 682106-004

Matrix: Soil
Date Collected: 12.21.2020 10:30

Date Received: 12.21.2020 15:05
Sample Depth: 4 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 12.21.2020 17:00

% Moisture:
Basis: Wet Weight

Seq Number: 3145643

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.21.2020 21:27	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.21.2020 21:27	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.21.2020 21:27	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	12.21.2020 21:27	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.21.2020 21:27	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	12.21.2020 21:27	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.21.2020 21:27	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	116	%	70-130	12.21.2020 21:27		
1,4-Difluorobenzene	540-36-3	105	%	70-130	12.21.2020 21:27		



Certificate of Analytical Results 682106

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **S-6** Matrix: Soil Date Received: 12.21.2020 15:05
 Lab Sample Id: 682106-005 Date Collected: 12.21.2020 10:40 Sample Depth: 4 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.21.2020 16:28 % Moisture:
 Seq Number: 3145672 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1550	50.4	mg/kg	12.21.2020 19:56		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: DVM Date Prep: 12.24.2020 12:00 % Moisture:
 Seq Number: 3146103 Basis: Wet Weight
 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	12.24.2020 22:52	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	12.24.2020 22:52	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	12.24.2020 22:52	U	1
Total TPH	PHC635	<49.80	49.80	mg/kg	12.24.2020 22:52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-130	12.24.2020 22:52	
o-Terphenyl	84-15-1	89	%	70-130	12.24.2020 22:52	



Certificate of Analytical Results 682106

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **S-6**
Lab Sample Id: 682106-005

Matrix: Soil
Date Collected: 12.21.2020 10:40

Date Received: 12.21.2020 15:05
Sample Depth: 4 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 12.21.2020 17:00

% Moisture:
Basis: Wet Weight

Seq Number: 3145643

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	12.21.2020 21:50	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	12.21.2020 21:50	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	12.21.2020 21:50	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	12.21.2020 21:50	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	12.21.2020 21:50	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	12.21.2020 21:50	U	1
Total BTEX		<0.001980	0.001980	mg/kg	12.21.2020 21:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	106	%	70-130	12.21.2020 21:50	
4-Bromofluorobenzene	460-00-4	120	%	70-130	12.21.2020 21:50	



Certificate of Analytical Results 682106

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: S-7 Matrix: Soil Date Received: 12.21.2020 15:05
 Lab Sample Id: 682106-006 Date Collected: 12.21.2020 10:50 Sample Depth: 4 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.21.2020 16:28 % Moisture:
 Seq Number: 3145672 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1620	50.5	mg/kg	12.21.2020 20:14		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: DVM Date Prep: 12.24.2020 12:00 % Moisture:
 Seq Number: 3146103 Basis: Wet Weight
 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	51.6	50.0	mg/kg	12.24.2020 23:10		1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.24.2020 23:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.24.2020 23:10	U	1
Total TPH	PHC635	51.60	50.00	mg/kg	12.24.2020 23:10		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	97	%	70-130	12.24.2020 23:10		
o-Terphenyl	84-15-1	105	%	70-130	12.24.2020 23:10		



Certificate of Analytical Results 682106

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: S-7 Matrix: Soil Date Received: 12.21.2020 15:05
 Lab Sample Id: 682106-006 Date Collected: 12.21.2020 10:50 Sample Depth: 4 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 12.21.2020 17:00 % Moisture:
 Seq Number: 3145643 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.21.2020 22:13	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.21.2020 22:13	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.21.2020 22:13	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.21.2020 22:13	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.21.2020 22:13	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	12.21.2020 22:13	U	1
Total BTEX		<0.001990	0.001990	mg/kg	12.21.2020 22:13	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	104	%	70-130	12.21.2020 22:13		
4-Bromofluorobenzene	460-00-4	122	%	70-130	12.21.2020 22:13		



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **S-8** Matrix: Soil Date Received: 12.21.2020 15:05
 Lab Sample Id: 682106-007 Date Collected: 12.21.2020 11:00 Sample Depth: 4 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.21.2020 16:28 % Moisture:
 Seq Number: 3145672 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1500	49.8	mg/kg	12.21.2020 20:20		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: DVM Date Prep: 12.24.2020 12:00 % Moisture:
 Seq Number: 3146103 Basis: Wet Weight
 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.24.2020 23:28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.24.2020 23:28	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.24.2020 23:28	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	12.24.2020 23:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-130	12.24.2020 23:28	
o-Terphenyl	84-15-1	104	%	70-130	12.24.2020 23:28	



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **S-8**
Lab Sample Id: 682106-007

Matrix: Soil
Date Collected: 12.21.2020 11:00

Date Received: 12.21.2020 15:05
Sample Depth: 4 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 12.21.2020 17:00

% Moisture:
Basis: Wet Weight

Seq Number: 3145643

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	12.21.2020 22:35	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	12.21.2020 22:35	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	12.21.2020 22:35	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	12.21.2020 22:35	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	12.21.2020 22:35	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	12.21.2020 22:35	U	1
Total BTEX		<0.002010	0.002010	mg/kg	12.21.2020 22:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	121	%	70-130	12.21.2020 22:35	
1,4-Difluorobenzene	540-36-3	109	%	70-130	12.21.2020 22:35	



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **S-9** Matrix: Soil Date Received: 12.21.2020 15:05
 Lab Sample Id: 682106-008 Date Collected: 12.21.2020 11:10 Sample Depth: 5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.21.2020 16:28 % Moisture:
 Seq Number: 3145672 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1440	50.5	mg/kg	12.21.2020 20:26		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: DVM Date Prep: 12.24.2020 12:00 % Moisture:
 Seq Number: 3146103 Basis: Wet Weight
 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.24.2020 23:46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.24.2020 23:46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.24.2020 23:46	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	12.24.2020 23:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	81	%	70-130	12.24.2020 23:46	
o-Terphenyl	84-15-1	88	%	70-130	12.24.2020 23:46	



Certificate of Analytical Results 682106

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **S-9** Matrix: Soil Date Received: 12.21.2020 15:05
 Lab Sample Id: 682106-008 Date Collected: 12.21.2020 11:10 Sample Depth: 5 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 12.21.2020 17:00 % Moisture:
 Seq Number: 3145643 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.21.2020 22:58	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.21.2020 22:58	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.21.2020 22:58	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	12.21.2020 22:58	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.21.2020 22:58	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	12.21.2020 22:58	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.21.2020 22:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	70-130	12.21.2020 22:58	
1,4-Difluorobenzene	540-36-3	104	%	70-130	12.21.2020 22:58	



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **S-10** Matrix: Soil Date Received: 12.21.2020 15:05
 Lab Sample Id: 682106-009 Date Collected: 12.21.2020 11:20 Sample Depth: 5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.21.2020 16:28 % Moisture:
 Seq Number: 3145672 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1100	9.94	mg/kg	12.21.2020 20:32		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: DVM Date Prep: 12.24.2020 12:00 % Moisture:
 Seq Number: 3146103 Basis: Wet Weight
 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.25.2020 00:04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.25.2020 00:04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.25.2020 00:04	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	12.25.2020 00:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-130	12.25.2020 00:04	
o-Terphenyl	84-15-1	92	%	70-130	12.25.2020 00:04	



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **S-10**
Lab Sample Id: 682106-009

Matrix: Soil
Date Collected: 12.21.2020 11:20

Date Received: 12.21.2020 15:05
Sample Depth: 5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 12.21.2020 17:00

% Moisture:
Basis: Wet Weight

Seq Number: 3145643

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.21.2020 23:20	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.21.2020 23:20	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.21.2020 23:20	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	12.21.2020 23:20	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.21.2020 23:20	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	12.21.2020 23:20	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.21.2020 23:20	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	124	%	70-130	12.21.2020 23:20		
1,4-Difluorobenzene	540-36-3	110	%	70-130	12.21.2020 23:20		



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **S-11** Matrix: Soil Date Received: 12.21.2020 15:05
 Lab Sample Id: 682106-010 Date Collected: 12.21.2020 11:30 Sample Depth: 5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.21.2020 16:28 % Moisture:
 Seq Number: 3145672 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	462	10.1	mg/kg	12.21.2020 20:38		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: DVM Date Prep: 12.24.2020 12:00 % Moisture:
 Seq Number: 3146103 Basis: Wet Weight
 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.25.2020 00:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.25.2020 00:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.25.2020 00:22	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	12.25.2020 00:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-130	12.25.2020 00:22	
o-Terphenyl	84-15-1	91	%	70-130	12.25.2020 00:22	



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **S-11**
Lab Sample Id: 682106-010

Matrix: Soil
Date Collected: 12.21.2020 11:30

Date Received: 12.21.2020 15:05
Sample Depth: 5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 12.21.2020 17:00

% Moisture:
Basis: Wet Weight

Seq Number: 3145643

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.21.2020 23:43	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.21.2020 23:43	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.21.2020 23:43	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.21.2020 23:43	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.21.2020 23:43	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	12.21.2020 23:43	U	1
Total BTEX		<0.001990	0.001990	mg/kg	12.21.2020 23:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	120	%	70-130	12.21.2020 23:43	
1,4-Difluorobenzene	540-36-3	111	%	70-130	12.21.2020 23:43	



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **S-12** Matrix: Soil Date Received: 12.21.2020 15:05
 Lab Sample Id: 682106-011 Date Collected: 12.21.2020 11:40 Sample Depth: 5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.21.2020 16:28 % Moisture:
 Seq Number: 3145672 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	445	9.94	mg/kg	12.21.2020 20:44		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: DVM Date Prep: 12.24.2020 12:00 % Moisture:
 Seq Number: 3146103 Basis: Wet Weight
 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	12.25.2020 00:59	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	12.25.2020 00:59	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	12.25.2020 00:59	U	1
Total TPH	PHC635	<49.80	49.80	mg/kg	12.25.2020 00:59	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	86	%	70-130	12.25.2020 00:59		
o-Terphenyl	84-15-1	91	%	70-130	12.25.2020 00:59		



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **S-12**
Lab Sample Id: 682106-011

Matrix: Soil
Date Collected: 12.21.2020 11:40

Date Received: 12.21.2020 15:05
Sample Depth: 5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 12.21.2020 17:00

% Moisture:
Basis: Wet Weight

Seq Number: 3145643

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	12.22.2020 00:05	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	12.22.2020 00:05	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	12.22.2020 00:05	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	12.22.2020 00:05	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	12.22.2020 00:05	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	12.22.2020 00:05	U	1
Total BTEX		<0.001980	0.001980	mg/kg	12.22.2020 00:05	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	120	%	70-130	12.22.2020 00:05		
1,4-Difluorobenzene	540-36-3	106	%	70-130	12.22.2020 00:05		



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **S-13** Matrix: Soil Date Received: 12.21.2020 15:05
 Lab Sample Id: 682106-012 Date Collected: 12.21.2020 11:50 Sample Depth: 5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.21.2020 16:28 % Moisture:
 Seq Number: 3145672 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	529	9.96	mg/kg	12.21.2020 21:02		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: DVM Date Prep: 12.24.2020 12:00 % Moisture:
 Seq Number: 3146103 Basis: Wet Weight
 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.25.2020 01:17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.25.2020 01:17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.25.2020 01:17	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	12.25.2020 01:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-130	12.25.2020 01:17	
o-Terphenyl	84-15-1	93	%	70-130	12.25.2020 01:17	



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **S-13**
Lab Sample Id: 682106-012

Matrix: Soil
Date Collected: 12.21.2020 11:50

Date Received: 12.21.2020 15:05
Sample Depth: 5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 12.21.2020 17:00

% Moisture:
Basis: Wet Weight

Seq Number: 3145643

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	12.22.2020 00:28	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	12.22.2020 00:28	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	12.22.2020 00:28	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	12.22.2020 00:28	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	12.22.2020 00:28	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	12.22.2020 00:28	U	1
Total BTEX		<0.002010	0.002010	mg/kg	12.22.2020 00:28	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	108	%	70-130	12.22.2020 00:28		
4-Bromofluorobenzene	460-00-4	116	%	70-130	12.22.2020 00:28		



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **S-16** Matrix: Soil Date Received: 12.21.2020 15:05
 Lab Sample Id: 682106-013 Date Collected: 12.21.2020 12:00 Sample Depth: 5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.21.2020 16:28 % Moisture:
 Seq Number: 3145672 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	537	9.92	mg/kg	12.21.2020 21:08		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: DVM Date Prep: 12.24.2020 12:00 % Moisture:
 Seq Number: 3146103 Basis: Wet Weight
 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.25.2020 01:35	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.25.2020 01:35	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.25.2020 01:35	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	12.25.2020 01:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-130	12.25.2020 01:35	
o-Terphenyl	84-15-1	92	%	70-130	12.25.2020 01:35	



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **S-16**
Lab Sample Id: 682106-013

Matrix: Soil
Date Collected: 12.21.2020 12:00

Date Received: 12.21.2020 15:05
Sample Depth: 5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 12.21.2020 17:00

% Moisture:
Basis: Wet Weight

Seq Number: 3145643

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	12.22.2020 00:50	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	12.22.2020 00:50	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	12.22.2020 00:50	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	12.22.2020 00:50	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	12.22.2020 00:50	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	12.22.2020 00:50	U	1
Total BTEX		<0.002010	0.002010	mg/kg	12.22.2020 00:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	12.22.2020 00:50	
1,4-Difluorobenzene	540-36-3	104	%	70-130	12.22.2020 00:50	



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **S-17** Matrix: Soil Date Received: 12.21.2020 15:05
 Lab Sample Id: 682106-014 Date Collected: 12.21.2020 12:10 Sample Depth: 5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.21.2020 16:28 % Moisture:
 Seq Number: 3145672 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	398	9.98	mg/kg	12.21.2020 21:14		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: DVM Date Prep: 12.24.2020 12:00 % Moisture:
 Seq Number: 3146103 Basis: Wet Weight
 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.25.2020 01:53	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.25.2020 01:53	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.25.2020 01:53	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	12.25.2020 01:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	84	%	70-130	12.25.2020 01:53	
o-Terphenyl	84-15-1	91	%	70-130	12.25.2020 01:53	



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **S-17**
Lab Sample Id: 682106-014

Matrix: Soil
Date Collected: 12.21.2020 12:10

Date Received: 12.21.2020 15:05
Sample Depth: 5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 12.21.2020 16:30

% Moisture:
Basis: Wet Weight

Seq Number: 3145644

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	12.21.2020 19:37	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	12.21.2020 19:37	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	12.21.2020 19:37	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	12.21.2020 19:37	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	12.21.2020 19:37	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	12.21.2020 19:37	U	1
Total BTEX		<0.002010	0.002010	mg/kg	12.21.2020 19:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	12.21.2020 19:37	
4-Bromofluorobenzene	460-00-4	89	%	70-130	12.21.2020 19:37	



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **S-18** Matrix: Soil Date Received: 12.21.2020 15:05
 Lab Sample Id: 682106-015 Date Collected: 12.21.2020 12:20 Sample Depth: 5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.21.2020 16:28 % Moisture:
 Seq Number: 3145672 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	12.4	10.0	mg/kg	12.21.2020 21:20		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: DVM Date Prep: 12.24.2020 12:00 % Moisture:
 Seq Number: 3146103 Basis: Wet Weight
 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.25.2020 02:11	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.25.2020 02:11	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.25.2020 02:11	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	12.25.2020 02:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	81	%	70-130	12.25.2020 02:11	
o-Terphenyl	84-15-1	85	%	70-130	12.25.2020 02:11	



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **S-18**
Lab Sample Id: 682106-015

Matrix: Soil
Date Collected: 12.21.2020 12:20

Date Received: 12.21.2020 15:05
Sample Depth: 5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 12.21.2020 16:30

% Moisture:
Basis: Wet Weight

Seq Number: 3145644

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.21.2020 19:59	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.21.2020 19:59	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.21.2020 19:59	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	12.21.2020 19:59	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.21.2020 19:59	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	12.21.2020 19:59	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.21.2020 19:59	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	100	%	70-130	12.21.2020 19:59		
4-Bromofluorobenzene	460-00-4	92	%	70-130	12.21.2020 19:59		



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **S-20** Matrix: Soil Date Received: 12.21.2020 15:05
 Lab Sample Id: 682106-016 Date Collected: 12.21.2020 12:30 Sample Depth: 5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.21.2020 16:28 % Moisture:
 Seq Number: 3145672 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	11.7	10.0	mg/kg	12.21.2020 21:26		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: DVM Date Prep: 12.24.2020 12:00 % Moisture:
 Seq Number: 3146103 Basis: Wet Weight
 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.25.2020 02:30	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.25.2020 02:30	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.25.2020 02:30	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	12.25.2020 02:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-130	12.25.2020 02:30	
o-Terphenyl	84-15-1	100	%	70-130	12.25.2020 02:30	



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **S-20**
Lab Sample Id: 682106-016

Matrix: Soil
Date Collected: 12.21.2020 12:30

Date Received: 12.21.2020 15:05
Sample Depth: 5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 12.21.2020 16:30

% Moisture:
Basis: Wet Weight

Seq Number: 3145644

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.21.2020 20:22	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.21.2020 20:22	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.21.2020 20:22	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	12.21.2020 20:22	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.21.2020 20:22	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	12.21.2020 20:22	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.21.2020 20:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	99	%	70-130	12.21.2020 20:22	
4-Bromofluorobenzene	460-00-4	94	%	70-130	12.21.2020 20:22	



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **WSW-1** Matrix: Soil Date Received: 12.21.2020 15:05
 Lab Sample Id: 682106-017 Date Collected: 12.21.2020 12:40 Sample Depth: 5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.21.2020 16:28 % Moisture:
 Seq Number: 3145672 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1400	49.9	mg/kg	12.21.2020 21:32		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: DVM Date Prep: 12.24.2020 12:00 % Moisture:
 Seq Number: 3146103 Basis: Wet Weight
 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	55.4	49.9	mg/kg	12.28.2020 12:23		1
Diesel Range Organics (DRO)	C10C28DRO	84.0	49.9	mg/kg	12.28.2020 12:23		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.28.2020 12:23	U	1
Total TPH	PHC635	139.4	49.90	mg/kg	12.28.2020 12:23		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	63	%	70-130	12.28.2020 12:23	**
o-Terphenyl	84-15-1	147	%	70-130	12.28.2020 12:23	**



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **WSW-1**
Lab Sample Id: 682106-017

Matrix: Soil
Date Collected: 12.21.2020 12:40

Date Received: 12.21.2020 15:05
Sample Depth: 5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 12.21.2020 16:30

% Moisture:
Basis: Wet Weight

Seq Number: 3145644

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	12.21.2020 20:44	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	12.21.2020 20:44	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	12.21.2020 20:44	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	12.21.2020 20:44	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	12.21.2020 20:44	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	12.21.2020 20:44	U	1
Total BTEX		<0.001980	0.001980	mg/kg	12.21.2020 20:44	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	91	%	70-130	12.21.2020 20:44		
1,4-Difluorobenzene	540-36-3	99	%	70-130	12.21.2020 20:44		



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **WSW-2** Matrix: Soil Date Received: 12.21.2020 15:05
 Lab Sample Id: 682106-018 Date Collected: 12.21.2020 12:50 Sample Depth: 4 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.21.2020 16:28 % Moisture:
 Seq Number: 3145672 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	932	9.94	mg/kg	12.21.2020 21:38		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: DVM Date Prep: 12.24.2020 12:00 % Moisture:
 Seq Number: 3146103 Basis: Wet Weight
 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	52.5	50.0	mg/kg	12.28.2020 12:43		1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.28.2020 12:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.28.2020 12:43	U	1
Total TPH	PHC635	52.50	50.00	mg/kg	12.28.2020 12:43		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	70	%	70-130	12.28.2020 12:43		
o-Terphenyl	84-15-1	72	%	70-130	12.28.2020 12:43		



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **WSW-2**
Lab Sample Id: 682106-018

Matrix: Soil
Date Collected: 12.21.2020 12:50

Date Received: 12.21.2020 15:05
Sample Depth: 4 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 12.21.2020 16:30

% Moisture:
Basis: Wet Weight

Seq Number: 3145644

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.21.2020 21:06	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.21.2020 21:06	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.21.2020 21:06	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	12.21.2020 21:06	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.21.2020 21:06	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	12.21.2020 21:06	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.21.2020 21:06	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	88	%	70-130	12.21.2020 21:06		
1,4-Difluorobenzene	540-36-3	100	%	70-130	12.21.2020 21:06		



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **WSW-3** Matrix: Soil Date Received: 12.21.2020 15:05
 Lab Sample Id: 682106-019 Date Collected: 12.21.2020 13:00 Sample Depth: 4 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.21.2020 16:28 % Moisture:
 Seq Number: 3145672 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	779	9.96	mg/kg	12.21.2020 21:44		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: DVM Date Prep: 12.24.2020 12:00 % Moisture:
 Seq Number: 3146103 Basis: Wet Weight
 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	55.6	50.0	mg/kg	12.28.2020 13:03		1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.28.2020 13:03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.28.2020 13:03	U	1
Total TPH	PHC635	55.60	50.00	mg/kg	12.28.2020 13:03		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	76	%	70-130	12.28.2020 13:03		
o-Terphenyl	84-15-1	81	%	70-130	12.28.2020 13:03		



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **WSW-3**
Lab Sample Id: 682106-019

Matrix: Soil
Date Collected: 12.21.2020 13:00

Date Received: 12.21.2020 15:05
Sample Depth: 4 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 12.21.2020 16:30

% Moisture:
Basis: Wet Weight

Seq Number: 3145644

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.21.2020 21:29	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.21.2020 21:29	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.21.2020 21:29	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.21.2020 21:29	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.21.2020 21:29	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	12.21.2020 21:29	U	1
Total BTEX		<0.001990	0.001990	mg/kg	12.21.2020 21:29	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	101	%	70-130	12.21.2020 21:29		
4-Bromofluorobenzene	460-00-4	95	%	70-130	12.21.2020 21:29		



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **WSW-4** Matrix: Soil Date Received: 12.21.2020 15:05
 Lab Sample Id: 682106-020 Date Collected: 12.21.2020 13:10 Sample Depth: 4 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.21.2020 16:28 % Moisture:
 Seq Number: 3145672 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1110	9.98	mg/kg	12.21.2020 21:50		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: DVM Date Prep: 12.24.2020 12:00 % Moisture:
 Seq Number: 3146103 Basis: Wet Weight
 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	52.7	49.9	mg/kg	12.28.2020 13:23		1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.28.2020 13:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.28.2020 13:23	U	1
Total TPH	PHC635	52.70	49.90	mg/kg	12.28.2020 13:23		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	75	%	70-130	12.28.2020 13:23		
o-Terphenyl	84-15-1	78	%	70-130	12.28.2020 13:23		



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **WSW-4**
Lab Sample Id: 682106-020

Matrix: Soil
Date Collected: 12.21.2020 13:10

Date Received: 12.21.2020 15:05
Sample Depth: 4 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 12.21.2020 16:30

% Moisture:
Basis: Wet Weight

Seq Number: 3145644

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.21.2020 21:51	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.21.2020 21:51	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.21.2020 21:51	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	12.21.2020 21:51	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.21.2020 21:51	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	12.21.2020 21:51	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.21.2020 21:51	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	91	%	70-130	12.21.2020 21:51		
1,4-Difluorobenzene	540-36-3	100	%	70-130	12.21.2020 21:51		



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **WSW-5** Matrix: Soil Date Received: 12.21.2020 15:05
 Lab Sample Id: 682106-021 Date Collected: 12.21.2020 13:20 Sample Depth: 5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.21.2020 16:31 % Moisture:
 Seq Number: 3145674 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2390	49.5	mg/kg	12.21.2020 22:26		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: ALJ
 Analyst: DVM Date Prep: 12.24.2020 08:24 % Moisture:
 Seq Number: 3146183 Basis: Wet Weight
 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	12.28.2020 18:16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	12.28.2020 18:16	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	12.28.2020 18:16	U	1
Total TPH	PHC635	<50.20	50.20	mg/kg	12.28.2020 18:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	78	%	70-130	12.28.2020 18:16	
o-Terphenyl	84-15-1	81	%	70-130	12.28.2020 18:16	



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **WSW-5**
Lab Sample Id: 682106-021

Matrix: Soil
Date Collected: 12.21.2020 13:20

Date Received: 12.21.2020 15:05
Sample Depth: 5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 12.21.2020 16:30

% Moisture:
Basis: Wet Weight

Seq Number: 3145644

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	12.21.2020 22:13	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	12.21.2020 22:13	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	12.21.2020 22:13	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	12.21.2020 22:13	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	12.21.2020 22:13	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	12.21.2020 22:13	U	1
Total BTEX		<0.001980	0.001980	mg/kg	12.21.2020 22:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	12.21.2020 22:13	
1,4-Difluorobenzene	540-36-3	98	%	70-130	12.21.2020 22:13	



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **WSW-6** Matrix: Soil Date Received: 12.21.2020 15:05
 Lab Sample Id: 682106-022 Date Collected: 12.21.2020 13:30 Sample Depth: 5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.21.2020 16:31 % Moisture:
 Seq Number: 3145674 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1430	49.8	mg/kg	12.21.2020 22:44		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: ALJ
 Analyst: DVM Date Prep: 12.24.2020 08:24 % Moisture:
 Seq Number: 3146183 Basis: Wet Weight
 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	12.28.2020 18:35	U	1
Diesel Range Organics (DRO)	C10C28DRO	51.6	50.3	mg/kg	12.28.2020 18:35		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	12.28.2020 18:35	U	1
Total TPH	PHC635	51.60	50.30	mg/kg	12.28.2020 18:35		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	73	%	70-130	12.28.2020 18:35		
o-Terphenyl	84-15-1	81	%	70-130	12.28.2020 18:35		



Certificate of Analytical Results 682106

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **WSW-6**
Lab Sample Id: 682106-022

Matrix: Soil
Date Collected: 12.21.2020 13:30

Date Received: 12.21.2020 15:05
Sample Depth: 5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 12.21.2020 16:30

% Moisture:
Basis: Wet Weight

Seq Number: 3145644

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.21.2020 22:36	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.21.2020 22:36	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.21.2020 22:36	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	12.21.2020 22:36	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.21.2020 22:36	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	12.21.2020 22:36	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.21.2020 22:36	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	91	%	70-130	12.21.2020 22:36		
1,4-Difluorobenzene	540-36-3	100	%	70-130	12.21.2020 22:36		



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **WSW-7** Matrix: Soil Date Received: 12.21.2020 15:05
 Lab Sample Id: 682106-023 Date Collected: 12.21.2020 13:40 Sample Depth: 5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.21.2020 16:31 % Moisture:
 Seq Number: 3145674 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	968	10.0	mg/kg	12.21.2020 22:50		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: ALJ
 Analyst: DVM Date Prep: 12.24.2020 08:24 % Moisture:
 Seq Number: 3146183 Basis: Wet Weight
 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	12.28.2020 19:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	12.28.2020 19:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	12.28.2020 19:14	U	1
Total TPH	PHC635	<50.20	50.20	mg/kg	12.28.2020 19:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-130	12.28.2020 19:14	
o-Terphenyl	84-15-1	88	%	70-130	12.28.2020 19:14	



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **WSW-7**
Lab Sample Id: 682106-023

Matrix: Soil
Date Collected: 12.21.2020 13:40

Date Received: 12.21.2020 15:05
Sample Depth: 5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 12.21.2020 16:30

% Moisture:
Basis: Wet Weight

Seq Number: 3145644

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	12.21.2020 22:58	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	12.21.2020 22:58	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	12.21.2020 22:58	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	12.21.2020 22:58	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	12.21.2020 22:58	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	12.21.2020 22:58	U	1
Total BTEX		<0.002020	0.002020	mg/kg	12.21.2020 22:58	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	94	%	70-130	12.21.2020 22:58		
1,4-Difluorobenzene	540-36-3	101	%	70-130	12.21.2020 22:58		



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **WSW-9** Matrix: Soil Date Received: 12.21.2020 15:05
 Lab Sample Id: 682106-024 Date Collected: 12.21.2020 13:50 Sample Depth: 5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.21.2020 16:31 % Moisture:
 Seq Number: 3145674 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1030	10.0	mg/kg	12.21.2020 22:56		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: ALJ
 Analyst: DVM Date Prep: 12.24.2020 08:24 % Moisture:
 Seq Number: 3146183 Basis: Wet Weight
 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	50.3	50.2	mg/kg	12.28.2020 19:33		1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	12.28.2020 19:33	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	12.28.2020 19:33	U	1
Total TPH	PHC635	50.30	50.20	mg/kg	12.28.2020 19:33		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	60	%	70-130	12.28.2020 19:33	**
o-Terphenyl	84-15-1	58	%	70-130	12.28.2020 19:33	**



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **WSW-9**
Lab Sample Id: 682106-024

Matrix: Soil
Date Collected: 12.21.2020 13:50

Date Received: 12.21.2020 15:05
Sample Depth: 5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 12.21.2020 16:30

% Moisture:
Basis: Wet Weight

Seq Number: 3145644

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	12.22.2020 00:16	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	12.22.2020 00:16	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	12.22.2020 00:16	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	12.22.2020 00:16	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	12.22.2020 00:16	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	12.22.2020 00:16	U	1
Total BTEX		<0.002010	0.002010	mg/kg	12.22.2020 00:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	12.22.2020 00:16	
4-Bromofluorobenzene	460-00-4	89	%	70-130	12.22.2020 00:16	



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **WSW-10** Matrix: Soil Date Received: 12.21.2020 15:05
 Lab Sample Id: 682106-025 Date Collected: 12.21.2020 14:00 Sample Depth: 5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.21.2020 16:31 % Moisture:
 Seq Number: 3145674 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	607	9.92	mg/kg	12.21.2020 23:02		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: ALJ
 Analyst: DVM Date Prep: 12.24.2020 08:24 % Moisture:
 Seq Number: 3146183 Basis: Wet Weight
 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	56.9	49.9	mg/kg	12.28.2020 19:52		1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.28.2020 19:52	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.28.2020 19:52	U	1
Total TPH	PHC635	56.90	49.90	mg/kg	12.28.2020 19:52		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	66	%	70-130	12.28.2020 19:52	**	
o-Terphenyl	84-15-1	70	%	70-130	12.28.2020 19:52		



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **WSW-10**
Lab Sample Id: 682106-025

Matrix: Soil
Date Collected: 12.21.2020 14:00

Date Received: 12.21.2020 15:05
Sample Depth: 5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 12.21.2020 16:30

% Moisture:
Basis: Wet Weight

Seq Number: 3145644

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	12.22.2020 00:38	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	12.22.2020 00:38	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	12.22.2020 00:38	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	12.22.2020 00:38	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	12.22.2020 00:38	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	12.22.2020 00:38	U	1
Total BTEX		<0.002010	0.002010	mg/kg	12.22.2020 00:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	12.22.2020 00:38	
4-Bromofluorobenzene	460-00-4	90	%	70-130	12.22.2020 00:38	



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **WSW-11** Matrix: Soil Date Received: 12.21.2020 15:05
 Lab Sample Id: 682106-026 Date Collected: 12.21.2020 14:10 Sample Depth: 5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.21.2020 16:31 % Moisture:
 Seq Number: 3145674 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	891	9.96	mg/kg	12.21.2020 23:20		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: ALJ
 Analyst: DVM Date Prep: 12.24.2020 08:24 % Moisture:
 Seq Number: 3146183 Basis: Wet Weight
 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	58.8	50.1	mg/kg	12.28.2020 20:12		1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	12.28.2020 20:12	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	12.28.2020 20:12	U	1
Total TPH	PHC635	58.80	50.10	mg/kg	12.28.2020 20:12		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	83	%	70-130	12.28.2020 20:12		
o-Terphenyl	84-15-1	90	%	70-130	12.28.2020 20:12		



Certificate of Analytical Results 682106

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **WSW-11**
Lab Sample Id: 682106-026

Matrix: Soil
Date Collected: 12.21.2020 14:10

Date Received: 12.21.2020 15:05
Sample Depth: 5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 12.21.2020 16:30

% Moisture:
Basis: Wet Weight

Seq Number: 3145644

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.22.2020 01:01	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.22.2020 01:01	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.22.2020 01:01	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.22.2020 01:01	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.22.2020 01:01	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	12.22.2020 01:01	U	1
Total BTEX		<0.001990	0.001990	mg/kg	12.22.2020 01:01	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	93	%	70-130	12.22.2020 01:01		
1,4-Difluorobenzene	540-36-3	101	%	70-130	12.22.2020 01:01		



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **WSW-12** Matrix: Soil Date Received: 12.21.2020 15:05
 Lab Sample Id: 682106-027 Date Collected: 12.21.2020 14:20 Sample Depth: 5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.21.2020 16:31 % Moisture:
 Seq Number: 3145674 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	790	9.96	mg/kg	12.21.2020 23:26		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: ALJ
 Analyst: DVM Date Prep: 12.24.2020 08:24 % Moisture:
 Seq Number: 3146183 Basis: Wet Weight
 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.28.2020 20:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.28.2020 20:31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.28.2020 20:31	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	12.28.2020 20:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	72	%	70-130	12.28.2020 20:31	
o-Terphenyl	84-15-1	77	%	70-130	12.28.2020 20:31	



Certificate of Analytical Results 682106

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **WSW-12**
Lab Sample Id: 682106-027

Matrix: Soil
Date Collected: 12.21.2020 14:20

Date Received: 12.21.2020 15:05
Sample Depth: 5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 12.21.2020 16:30

% Moisture:
Basis: Wet Weight

Seq Number: 3145644

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.22.2020 01:23	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.22.2020 01:23	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.22.2020 01:23	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.22.2020 01:23	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.22.2020 01:23	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	12.22.2020 01:23	U	1
Total BTEX		<0.001990	0.001990	mg/kg	12.22.2020 01:23	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	94	%	70-130	12.22.2020 01:23		
1,4-Difluorobenzene	540-36-3	101	%	70-130	12.22.2020 01:23		



Certificate of Analytical Results 682106

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **WSW-13** Matrix: Soil Date Received: 12.21.2020 15:05
 Lab Sample Id: 682106-028 Date Collected: 12.21.2020 12:30 Sample Depth: 5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.21.2020 16:31 % Moisture:
 Seq Number: 3145674 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	903	9.98	mg/kg	12.21.2020 23:32		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: ALJ
 Analyst: DVM Date Prep: 12.24.2020 08:24 % Moisture:
 Seq Number: 3146183 Basis: Wet Weight
 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	12.28.2020 20:50	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	12.28.2020 20:50	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	12.28.2020 20:50	U	1
Total TPH	PHC635	<50.10	50.10	mg/kg	12.28.2020 20:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	68	%	70-130	12.28.2020 20:50	**
o-Terphenyl	84-15-1	69	%	70-130	12.28.2020 20:50	**



Certificate of Analytical Results 682106

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H (Smalls)

Sample Id: **WSW-13**
Lab Sample Id: 682106-028

Matrix: Soil
Date Collected: 12.21.2020 12:30

Date Received: 12.21.2020 15:05
Sample Depth: 5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 12.21.2020 16:30

% Moisture:
Basis: Wet Weight

Seq Number: 3145644

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.22.2020 01:45	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.22.2020 01:45	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.22.2020 01:45	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	12.22.2020 01:45	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.22.2020 01:45	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	12.22.2020 01:45	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.22.2020 01:45	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	95	%	70-130	12.22.2020 01:45		
1,4-Difluorobenzene	540-36-3	101	%	70-130	12.22.2020 01:45		



Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

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

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

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

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

+ NELAC certification not offered for this compound.

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



Talon LPE-Artesia Smalls Fed #1H (Smalls)

Analytical Method: Chloride by EPA 300

Seq Number: 3145672

MB Sample Id: 7717616-1-BLK

Matrix: Solid

LCS Sample Id: 7717616-1-BKS

Prep Method: E300P

Date Prep: 12.21.2020

LCSD Sample Id: 7717616-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	260	104	261	104	90-110	0	20	mg/kg	12.21.2020 19:09	

Analytical Method: Chloride by EPA 300

Seq Number: 3145674

MB Sample Id: 7717617-1-BLK

Matrix: Solid

LCS Sample Id: 7717617-1-BKS

Prep Method: E300P

Date Prep: 12.21.2020

LCSD Sample Id: 7717617-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	260	104	260	104	90-110	0	20	mg/kg	12.21.2020 22:14	

Analytical Method: Chloride by EPA 300

Seq Number: 3145672

Parent Sample Id: 682106-001

Matrix: Soil

MS Sample Id: 682106-001 S

Prep Method: E300P

Date Prep: 12.21.2020

MSD Sample Id: 682106-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	1260	199	1460	101	1460	100	90-110	0	20	mg/kg	12.21.2020 19:27	

Analytical Method: Chloride by EPA 300

Seq Number: 3145672

Parent Sample Id: 682106-011

Matrix: Soil

MS Sample Id: 682106-011 S

Prep Method: E300P

Date Prep: 12.21.2020

MSD Sample Id: 682106-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	445	201	660	107	665	109	90-110	1	20	mg/kg	12.21.2020 20:50	

Analytical Method: Chloride by EPA 300

Seq Number: 3145674

Parent Sample Id: 682106-021

Matrix: Soil

MS Sample Id: 682106-021 S

Prep Method: E300P

Date Prep: 12.21.2020

MSD Sample Id: 682106-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	2390	200	2580	95	2580	95	90-110	0	20	mg/kg	12.21.2020 22:32	

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

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

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

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



Talon LPE-Artesia Smalls Fed #1H (Smalls)

Analytical Method: TPH by SW8015 Mod

Seq Number: 3146183

MB Sample Id: 7718029-1-BLK

Matrix: Solid

LCS Sample Id: 7718029-1-BKS

Prep Method: SW8015P

Date Prep: 12.24.2020

LCSD Sample Id: 7718029-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	925	93	985	99	70-130	6	20	mg/kg	12.28.2020 14:21	
Diesel Range Organics (DRO)	<50.0	1000	1000	100	974	97	70-130	3	20	mg/kg	12.28.2020 14:21	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	83		93		125		70-130	%	12.28.2020 14:21
o-Terphenyl	94		121		91		70-130	%	12.28.2020 14:21

Analytical Method: TPH by SW8015 Mod

Seq Number: 3146103

MB Sample Id: 7717938-1-BLK

Matrix: Solid

LCS Sample Id: 7717938-1-BKS

Prep Method: SW8015P

Date Prep: 12.24.2020

LCSD Sample Id: 7717938-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1040	104	895	90	70-130	15	20	mg/kg	12.24.2020 20:27	
Diesel Range Organics (DRO)	<50.0	1000	1190	119	1000	100	70-130	17	20	mg/kg	12.24.2020 20:27	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	98		120		125		70-130	%	12.24.2020 20:27
o-Terphenyl	111		110		93		70-130	%	12.24.2020 20:27

Analytical Method: TPH by SW8015 Mod

Seq Number: 3146183

Matrix: Solid

MB Sample Id: 7718029-1-BLK

Prep Method: SW8015P

Date Prep: 12.24.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	12.28.2020 14:02	

Analytical Method: TPH by SW8015 Mod

Seq Number: 3146103

Matrix: Solid

MB Sample Id: 7717938-1-BLK

Prep Method: SW8015P

Date Prep: 12.24.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	12.24.2020 20:09	

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

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

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

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



Talon LPE-Artesia Smalls Fed #1H (Smalls)

Analytical Method: TPH by SW8015 Mod

Seq Number: 3146183

Parent Sample Id: 682011-001

Matrix: Soil

MS Sample Id: 682011-001 S

Prep Method: SW8015P

Date Prep: 12.24.2020

MSD Sample Id: 682011-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	54.6	1000	915	86	791	74	70-130	15	20	mg/kg	12.28.2020 15:19	
Diesel Range Organics (DRO)	<50.2	1000	998	100	839	84	70-130	17	20	mg/kg	12.28.2020 15:19	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	114		76		70-130	%	12.28.2020 15:19
o-Terphenyl	93		78		70-130	%	12.28.2020 15:19

Analytical Method: TPH by SW8015 Mod

Seq Number: 3146103

Parent Sample Id: 682106-001

Matrix: Soil

MS Sample Id: 682106-001 S

Prep Method: SW8015P

Date Prep: 12.24.2020

MSD Sample Id: 682106-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	806	81	841	84	70-130	4	20	mg/kg	12.24.2020 21:21	
Diesel Range Organics (DRO)	<49.9	997	857	86	873	87	70-130	2	20	mg/kg	12.24.2020 21:21	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	128		113		70-130	%	12.24.2020 21:21
o-Terphenyl	84		80		70-130	%	12.24.2020 21:21

Analytical Method: BTEX by EPA 8021B

Seq Number: 3145643

MB Sample Id: 7717613-1-BLK

Matrix: Solid

LCS Sample Id: 7717613-1-BKS

Prep Method: SW5035A

Date Prep: 12.21.2020

LCSD Sample Id: 7717613-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0931	93	0.0930	93	70-130	0	35	mg/kg	12.21.2020 14:14	
Toluene	<0.00200	0.100	0.0867	87	0.0889	89	70-130	3	35	mg/kg	12.21.2020 14:14	
Ethylbenzene	<0.00200	0.100	0.0900	90	0.0920	92	71-129	2	35	mg/kg	12.21.2020 14:14	
m,p-Xylenes	<0.00400	0.200	0.188	94	0.188	94	70-135	0	35	mg/kg	12.21.2020 14:14	
o-Xylene	<0.00200	0.100	0.0919	92	0.0922	92	71-133	0	35	mg/kg	12.21.2020 14:14	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		98		98		70-130	%	12.21.2020 14:14
4-Bromofluorobenzene	114		105		103		70-130	%	12.21.2020 14:14

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

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

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

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



Talon LPE-Artesia Smalls Fed #1H (Smalls)

Analytical Method: BTEX by EPA 8021B

Seq Number: 3145644

Matrix: Solid

Prep Method: SW5035A

Date Prep: 12.21.2020

MB Sample Id: 7717614-1-BLK

LCS Sample Id: 7717614-1-BKS

LCSD Sample Id: 7717614-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0951	95	0.0942	94	70-130	1	35	mg/kg	12.21.2020 17:34	
Toluene	<0.00200	0.100	0.0922	92	0.0914	91	70-130	1	35	mg/kg	12.21.2020 17:34	
Ethylbenzene	<0.00200	0.100	0.0854	85	0.0854	85	71-129	0	35	mg/kg	12.21.2020 17:34	
m,p-Xylenes	<0.00400	0.200	0.174	87	0.173	87	70-135	1	35	mg/kg	12.21.2020 17:34	
o-Xylene	<0.00200	0.100	0.0868	87	0.0854	85	71-133	2	35	mg/kg	12.21.2020 17:34	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		94		95		70-130	%	12.21.2020 17:34
4-Bromofluorobenzene	86		84		84		70-130	%	12.21.2020 17:34

Analytical Method: BTEX by EPA 8021B

Seq Number: 3145643

Matrix: Soil

Prep Method: SW5035A

Date Prep: 12.21.2020

Parent Sample Id: 682011-001

MS Sample Id: 682011-001 S

MSD Sample Id: 682011-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0844	85	0.0899	90	70-130	6	35	mg/kg	12.21.2020 14:59	
Toluene	<0.00200	0.0998	0.0716	72	0.0862	86	70-130	19	35	mg/kg	12.21.2020 14:59	
Ethylbenzene	<0.00200	0.0998	0.0691	69	0.0892	89	71-129	25	35	mg/kg	12.21.2020 14:59	X
m,p-Xylenes	<0.00399	0.200	0.141	71	0.185	92	70-135	27	35	mg/kg	12.21.2020 14:59	
o-Xylene	<0.00200	0.0998	0.0735	74	0.0936	94	71-133	24	35	mg/kg	12.21.2020 14:59	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	100		98		70-130	%	12.21.2020 14:59
4-Bromofluorobenzene	106		106		70-130	%	12.21.2020 14:59

Analytical Method: BTEX by EPA 8021B

Seq Number: 3145644

Matrix: Soil

Prep Method: SW5035A

Date Prep: 12.21.2020

Parent Sample Id: 682106-014

MS Sample Id: 682106-014 S

MSD Sample Id: 682106-014 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0897	90	0.117	117	70-130	26	35	mg/kg	12.21.2020 18:19	
Toluene	<0.00200	0.0998	0.0856	86	0.119	119	70-130	33	35	mg/kg	12.21.2020 18:19	
Ethylbenzene	<0.00200	0.0998	0.0791	79	0.112	112	71-129	34	35	mg/kg	12.21.2020 18:19	
m,p-Xylenes	<0.00399	0.200	0.161	81	0.229	115	70-135	35	35	mg/kg	12.21.2020 18:19	
o-Xylene	<0.00200	0.0998	0.0781	78	0.111	111	71-133	35	35	mg/kg	12.21.2020 18:19	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	95		90		70-130	%	12.21.2020 18:19
4-Bromofluorobenzene	86		88		70-130	%	12.21.2020 18:19

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

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

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

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



Chain of Custody

Work Order No: 682106

Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334
 Midland, TX (432) 704-5440 EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296 Carlsbad, NM (432) 704-5440
 Phoenix, AZ (480) 355-0900 Atlanta, GA (770) 449-8800 Tampa, FL (813) 620-2000 West Palm Beach, FL (561) 689-6701

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Project Manager:	<u>D. Adkins</u>	Bill to: (if different)	<u>COG</u>
Company Name:	<u>Talon LPE</u>	Company Name:	<u>Attn: Sheldon Hitchcock</u>
Address:	<u>408 W Texas</u>	Address:	
City, State ZIP:	<u>Artesia NM 88210</u>	City, State ZIP:	
Phone:	<u>575-746-8768</u>	Email:	<u>dadkins@talonlpe.com</u>

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

Project Name:	<u>Smalls Fed # 1H (Smalls)</u>	Turn Around	
Project Number:	<u>700778.123.02</u>	Routine	☐
Project Location:	<u>Lea County, NM</u>	Rush:	<u>24HR</u>
Sampler's Name:	<u>Roy Bell</u>	Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT		Temp Blank:	Yes	No	Wet Ice:	Yes	No
Temperature (°C):	<u>5.8/5.6</u>	Thermometer ID	<u>TN1007</u>				
Received Intact:	<u>Yes</u>	Correction Factor:	<u>-0.2</u>				
Cooler Custody Seals:	<u>Yes</u>	Total Containers:	<u>28</u>				
Sample Custody Seals:	<u>Yes</u>						

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	ANALYSIS REQUEST										Preservative Codes		Sample Comments
S-2		Soil	12-21-20	10:00	4'	1	X	X	X										Email Analyticals to mcollier@talonlpe.com dadkins@talonlpe.com schitchcock@concho.com
S-3				10:10	4'														
S-4				10:20	4'														
S-5				10:30	4'														
S-6				10:40	4'														
S-7				10:50	4'														
S-8				11:00	4'														
S-9				11:10	5'														
S-10				11:20	5'														
S-11				11:30	5'														

Total 200.7 / 6010 200.8 / 6020:

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

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

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

1631 / 245.1 / 7470 / 7471 : Hg

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<u>Roy Bell</u>	<u>[Signature]</u>	<u>12/21/20 15:05</u>			

Revised Date 022619 Rev. 2019.1



Chain of Custody

Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334
 Midland, TX (432) 704-5440 EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296 Crasabad, NM (432) 704-5440
 Phoenix, AZ (480) 355-0900 Atlanta, GA (770) 449-8800 Tampa, FL (813) 620-2000 West Palm Beach, FL (561) 689-6701

Work Order No: 682106

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Project Manager:	D. Adkins	Bill to: (if different)	COG
Company Name:	Talon LPE	Company Name:	Attn: Sheldon Hitchcock
Address:	408 W Texas	Address:	
City, State ZIP:	Artesia NM 88210	City, State ZIP:	
Phone:	575-746-8768	Email:	dadkins@talonlpe.com

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

Project Name:	Smalls Fed # 1H (smalls)	Turn Around	
Project Number:	700778.123.02	Routine	☐
Project Location:	Lea County, NM	Rush:	24HR
Sampler's Name:	Roybell	Due Date:	
PO #:		Quote #:	

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

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	ANALYSIS REQUEST	Preservative Codes	Sample Comments
S-12		Soil	12-21-20	11:40	5'	1	BTEX	MeOH: Me	
S-13				11:50	5'		TPH	None: NO	
S-16				12:00				HNO3: HN	
S-17				12:10				H2SO4: H2	
S-18				12:20				HCL: HL	
S-20				12:30				NaOH: Na	
WSW-1				12:40	5'			Zn Acetate+ NaOH: Zn	
WSW-2				12:50	4'			TAT starts the day received by the lab, if received by 4:00pm	
WSW-3 RB									
WSW-1									
WSW-2									
WSW-3 RB									

Total 200.7 / 6010 200.8 / 6020:

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

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

1631 / 245.1 / 7470 / 7471 : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	12/21/20 15:05			

Revised Date 022619 Rev. 2019.1



Chain of Custody

Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334
 Midland, TX (432) 704-5440 EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296 Crasbad, NM (432) 704-5440
 Phoenix, AZ (480) 355-0900 Atlanta, GA (770) 449-8800 Tampa, FL (813) 620-2000 West Palm Beach, FL (561) 689-6701

Work Order No: 682106

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Page 3 of 4

Project Manager:	<u>D. Adkins</u>	Bill to: (if different)	<u>COG</u>
Company Name:	<u>Talon LPE</u>	Company Name:	<u>Attn: Sheldon Hitchcock</u>
Address:	<u>408 W Texas</u>	Address:	
City, State ZIP:	<u>Artesia NM 88210</u>	City, State ZIP:	
Phone:	<u>575-746-8768</u>	Email:	<u>dadkins@talonlpe.com</u>

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

Project Name: <u>Smalls Fed # 1H (smalls)</u>		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes			
Project Number: <u>700778.123.02</u>		Routine ☐			Number of Containers																	MeOH: Me		
Project Location: <u>Lea County, NM</u>		Rush: <u>24HR</u>																				None: NO		
Sampler's Name: <u>Roy Bell</u>		Due Date:																				HNO3: HN		
PO #:		Quote #:																			H2SO4: H2			
SAMPLE RECEIPT		Temp Blank: Yes ☐ No ☒		Wet Ice: Yes ☐ No ☒																		HCL: HL		
Temperature (°C): <u>22</u>		Thermometer ID:																		NaOH: Na				
Received Intact: Yes ☒ No ☐		Cooler Custody Seals: Yes ☐ No ☐ N/A		Correction Factor:																		Zn Acetate+ NaOH: Zn		
Sample Custody Seals: Yes ☐ No ☐ N/A		Total Containers:																		TAT starts the day received by the lab, if received by 4:00pm				
Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth																	Sample Comments		
	<u>WSW-3</u>	<u>Soil</u>	<u>12-21-20</u>	<u>1:00</u>	<u>4'</u>	<u>1</u>	<u>X</u>	<u>X</u>	<u>X</u>														<u>Email Analyticals to mcojier@talonlpe.com dadkins@talonlpe.com schitchcock@concho.com</u>	
	<u>ESW-4 RB</u>																							
	<u>WSW-4</u>			<u>1:10</u>	<u>4'</u>																			
	<u>ESW-5 RB</u>																							
	<u>WSW-5</u>			<u>1:20</u>	<u>5'</u>																			
	<u>WSW-6</u>			<u>1:30</u>	<u>5'</u>																			
	<u>WSW-7</u>			<u>1:40</u>	<u>5'</u>																			
	<u>WSW-9</u>			<u>1:50</u>	<u>5'</u>																			
	<u>ESW-9 RB</u>																							
	<u>ESW-10 RB</u>																							

Total 200.7 / 6010 200.8 / 6020:

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

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

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

1631 / 245.1 / 7470 / 7471 : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<u>Roy Bell</u>	<u>[Signature]</u>	<u>12/21/20 15:05</u>			

Revised Date 022819 Rev. 2019.1



Chain of Custody

Work Order No: 1082106

Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334
 Midland, TX (432) 704-5440 EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296 Crasbad, NM (432) 704-5440
 Phoenix, AZ (480) 355-0900 Atlanta, GA (770) 449-8800 Tampa, FL (813) 620-2000 West Palm Beach, FL (561) 689-6701

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Page 4 of 4

Project Manager:	D. Adkins	Bill to: (if different)	COG
Company Name:	Talon LPE	Company Name:	Attn: Sheldon Hitchcock
Address:	408 W Texas	Address:	
City, State ZIP:	Artesia NM 88210	City, State ZIP:	
Phone:	575-746-8768	Email:	dadkins@talonlpe.com

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

Project Name:	Smalls Fed # 1H (Smalls)	Turn Around	
Project Number:	700778.123.02	Routine	☐
Project Location:	Lra County, NM	Rush:	24HR
Sampler's Name:	Raybell	Due Date:	
PO #:		Quote #:	
SAMPLE RECEIPT		Temp Blank:	Yes No
		Wet Ice:	Yes No
Temperature (°C):		Thermometer ID	
Received Intact:	Yes No		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Total Containers:	

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	ANALYSIS REQUEST															Preservative Codes	
																						MeOH: Me	
																						None: NO	
																						HNO3: HN	
																						H2SO4: H2	
																						HCL: HL	
																						NaOH: Na	
																						Zn Acetate+ NaOH: Zn	
																						TAT starts the day received by the lab, if received by 4:00pm	
																						Sample Comments	
	W.SW-10	Soil	12-21-20	2:00	5'	1	X	X	X													Email Analyticals to mcollier@talonlpe.com dadkins@talonlpe.com schitchcock@concho.com	
	W.SW-11			2:10	5'																		
	E.SW-11 RB																						
	E.SW-12 RB																						
	W.SW-12			2:20	5'																		
	E.SW-13 RB			2:30	5'																		
	W.SW-13																						

Total 200.7 / 6010 200.8 / 6020:

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

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

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

1631 / 245.1 / 7470 / 7471 : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		12/21/20 15:05			

Revised Date 022619 Rev. 2019.1

Inter-Office Shipment

IOS Number : **75457**

Date/Time: 12.22.2020

Created by: Cloe Clifton

Please send report to: Jessica Kramer

Lab# From: **Carlsbad**

Delivery Priority:

Address: 1089 N Canal Street

Lab# To: **Midland**

Air Bill No.:

E-Mail: jessica.kramer@eurofinset.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
682106-001	S	S-2	12.21.2020 10:00	SW8015MOD_NM	TPH by SW8015 Mod	12.22.2020	01.04.2021	JKR	PHCC10C28 PHCC28C35	
682106-002	S	S-3	12.21.2020 10:10	SW8015MOD_NM	TPH by SW8015 Mod	12.22.2020	01.04.2021	JKR	PHCC10C28 PHCC28C35	
682106-003	S	S-4	12.21.2020 10:20	SW8015MOD_NM	TPH by SW8015 Mod	12.22.2020	01.04.2021	JKR	PHCC10C28 PHCC28C35	
682106-004	S	S-5	12.21.2020 10:30	SW8015MOD_NM	TPH by SW8015 Mod	12.22.2020	01.04.2021	JKR	PHCC10C28 PHCC28C35	
682106-005	S	S-6	12.21.2020 10:40	SW8015MOD_NM	TPH by SW8015 Mod	12.22.2020	01.04.2021	JKR	PHCC10C28 PHCC28C35	
682106-006	S	S-7	12.21.2020 10:50	SW8015MOD_NM	TPH by SW8015 Mod	12.22.2020	01.04.2021	JKR	PHCC10C28 PHCC28C35	
682106-007	S	S-8	12.21.2020 11:00	SW8015MOD_NM	TPH by SW8015 Mod	12.22.2020	01.04.2021	JKR	PHCC10C28 PHCC28C35	
682106-008	S	S-9	12.21.2020 11:10	SW8015MOD_NM	TPH by SW8015 Mod	12.22.2020	01.04.2021	JKR	PHCC10C28 PHCC28C35	
682106-009	S	S-10	12.21.2020 11:20	SW8015MOD_NM	TPH by SW8015 Mod	12.22.2020	01.04.2021	JKR	PHCC10C28 PHCC28C35	
682106-010	S	S-11	12.21.2020 11:30	SW8015MOD_NM	TPH by SW8015 Mod	12.22.2020	01.04.2021	JKR	PHCC10C28 PHCC28C35	
682106-011	S	S-12	12.21.2020 11:40	SW8015MOD_NM	TPH by SW8015 Mod	12.22.2020	01.04.2021	JKR	PHCC10C28 PHCC28C35	
682106-012	S	S-13	12.21.2020 11:50	SW8015MOD_NM	TPH by SW8015 Mod	12.22.2020	01.04.2021	JKR	PHCC10C28 PHCC28C35	
682106-013	S	S-16	12.21.2020 12:00	SW8015MOD_NM	TPH by SW8015 Mod	12.22.2020	01.04.2021	JKR	PHCC10C28 PHCC28C35	
682106-014	S	S-17	12.21.2020 12:10	SW8015MOD_NM	TPH by SW8015 Mod	12.22.2020	01.04.2021	JKR	PHCC10C28 PHCC28C35	
682106-015	S	S-18	12.21.2020 12:20	SW8015MOD_NM	TPH by SW8015 Mod	12.22.2020	01.04.2021	JKR	PHCC10C28 PHCC28C35	
682106-016	S	S-20	12.21.2020 12:30	SW8015MOD_NM	TPH by SW8015 Mod	12.22.2020	01.04.2021	JKR	PHCC10C28 PHCC28C35	
682106-017	S	WSW-1	12.21.2020 12:40	SW8015MOD_NM	TPH by SW8015 Mod	12.22.2020	01.04.2021	JKR	PHCC10C28 PHCC28C35	
682106-018	S	WSW-2	12.21.2020 12:50	SW8015MOD_NM	TPH by SW8015 Mod	12.22.2020	01.04.2021	JKR	PHCC10C28 PHCC28C35	
682106-019	S	WSW-3	12.21.2020 13:00	SW8015MOD_NM	TPH by SW8015 Mod	12.22.2020	01.04.2021	JKR	PHCC10C28 PHCC28C35	
682106-020	S	WSW-4	12.21.2020 13:10	SW8015MOD_NM	TPH by SW8015 Mod	12.22.2020	01.04.2021	JKR	PHCC10C28 PHCC28C35	
682106-021	S	WSW-5	12.21.2020 13:20	SW8015MOD_NM	TPH by SW8015 Mod	12.22.2020	01.04.2021	JKR	PHCC10C28 PHCC28C35	
682106-022	S	WSW-6	12.21.2020 13:30	SW8015MOD_NM	TPH by SW8015 Mod	12.22.2020	01.04.2021	JKR	PHCC10C28 PHCC28C35	
682106-023	S	WSW-7	12.21.2020 13:40	SW8015MOD_NM	TPH by SW8015 Mod	12.22.2020	01.04.2021	JKR	PHCC10C28 PHCC28C35	
682106-024	S	WSW-9	12.21.2020 13:50	SW8015MOD_NM	TPH by SW8015 Mod	12.22.2020	01.04.2021	JKR	PHCC10C28 PHCC28C35	
682106-025	S	WSW-10	12.21.2020 14:00	SW8015MOD_NM	TPH by SW8015 Mod	12.22.2020	01.04.2021	JKR	PHCC10C28 PHCC28C35	

Inter-Office Shipment

IOS Number : **75457**

Date/Time: 12.22.2020

Created by: Cloe Clifton

Please send report to: Jessica Kramer

Lab# From: **Carlsbad**

Delivery Priority:

Address: 1089 N Canal Street

Lab# To: **Midland**

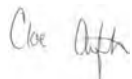
Air Bill No.:

E-Mail: jessica.kramer@eurofinset.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
682106-026	S	WSW-11	12.21.2020 14:10	SW8015MOD_NM	TPH by SW8015 Mod	12.22.2020	01.04.2021	JKR	PHCC10C28 PHCC28C3	
682106-027	S	WSW-12	12.21.2020 14:20	SW8015MOD_NM	TPH by SW8015 Mod	12.22.2020	01.04.2021	JKR	PHCC10C28 PHCC28C3	
682106-028	S	WSW-13	12.21.2020 12:30	SW8015MOD_NM	TPH by SW8015 Mod	12.22.2020	01.04.2021	JKR	PHCC10C28 PHCC28C3	

Inter Office Shipment or Sample Comments:

Relinquished By:



Cloe Clifton

Date Relinquished: 12.22.2020

Received By:



Jessica Kramer

Date Received: 12.22.2020

Cooler Temperature: 2.3

Inter Office Report- Sample Receipt Checklist

Sent To: Midland

IOS #: 75457

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used :

Sent By: Cloe Clifton

Date Sent: 12.22.2020 03.38 PM

Received By: Jessica Kramer

Date Received: 12.22.2020 03.06 PM

Sample Receipt Checklist

Comments

#1 *Temperature of cooler(s)?	2.3
#2 *Shipping container in good condition?	Yes
#3 *Samples received with appropriate temperature?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	Yes
#5 *Custody Seals Signed and dated for Containers/coolers	Yes
#6 *IOS present?	Yes
#7 Any missing/extra samples?	No
#8 IOS agrees with sample label(s)/matrix?	Yes
#9 Sample matrix/ properties agree with IOS?	Yes
#10 Samples in proper container/ bottle?	Yes
#11 Samples properly preserved?	Yes
#12 Sample container(s) intact?	Yes
#13 Sufficient sample amount for indicated test(s)?	Yes
#14 All samples received within hold time?	Yes

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

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ Contacted by : _____ Date: _____

Checklist reviewed by:



Jessica Kramer

Date: 12.22.2020

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Talon LPE-Artesia

Date/ Time Received: 12.21.2020 03.05.00 PM

Work Order #: 682106

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T_Nm_007

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	5.6
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	Yes
#5 Custody Seals intact on sample bottles?	Yes
#6 *Custody Seals Signed and dated?	Yes
#7 *Chain of Custody present?	Yes
#8 Any missing/extra samples?	No
#9 Chain of Custody signed when relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/matrix?	Yes
#11 Container label(s) legible and intact?	Yes
#12 Samples in proper container/ bottle?	Yes
#13 Samples properly preserved?	Yes
#14 Sample container(s) intact?	Yes
#15 Sufficient sample amount for indicated test(s)?	Yes
#16 All samples received within hold time?	Yes
#17 Subcontract of sample(s)?	N/A
#18 Water VOC samples have zero headspace?	N/A

Samples received in bulk containers.

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

Analyst:

PH Device/Lot#:

Checklist completed by:



Cloe Clifton

Date: 12.21.2020

Checklist reviewed by:



Jessica Kramer

Date: 12.22.2020

Certificate of Analysis Summary 683641



Talon LPE-Artesia, Artesia, NM

Project Name: Smalls Fed #001 H

Project Id: 700778.123.02

Contact: David Adkins

Project Location:

Date Received in Lab: Wed 01.06.2021 14:26

Report Date: 01.07.2021 13:42

Project Manager: Jessica Kramer

Analysis Requested	Lab Id:	683641-001	683641-002	683641-003	683641-004	683641-005	683641-006
	Field Id:	S-2 A	S-3 A	S-4 A	S-5 A	S-6 A	S-7 A
	Depth:	4.5- ft	5- ft	5- ft	5- ft	5- ft	5- ft
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	01.05.2021 11:35	01.05.2021 11:39	01.05.2021 12:20	01.05.2021 13:10	01.05.2021 13:50	01.05.2021 14:10
BTEX by EPA 8021B	Extracted:	01.06.2021 15:40	01.06.2021 15:40	01.06.2021 15:40	01.06.2021 15:40	01.06.2021 15:40	01.06.2021 15:40
	Analyzed:	01.06.2021 20:28	01.06.2021 20:50	01.06.2021 21:13	01.06.2021 21:35	01.06.2021 21:58	01.06.2021 22:20
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00200 0.00200	<0.00199 0.00199	<0.00202 0.00202	<0.00202 0.00202	<0.00202 0.00202	<0.00202 0.00202
Toluene		<0.00200 0.00200	<0.00199 0.00199	<0.00202 0.00202	<0.00202 0.00202	<0.00202 0.00202	<0.00202 0.00202
Ethylbenzene		<0.00200 0.00200	<0.00199 0.00199	<0.00202 0.00202	<0.00202 0.00202	<0.00202 0.00202	<0.00202 0.00202
m,p-Xylenes		<0.00401 0.00401	<0.00398 0.00398	<0.00403 0.00403	<0.00404 0.00404	<0.00404 0.00404	<0.00404 0.00404
o-Xylene		<0.00200 0.00200	<0.00199 0.00199	<0.00202 0.00202	<0.00202 0.00202	<0.00202 0.00202	<0.00202 0.00202
Total Xylenes		<0.00200 0.00200	<0.00199 0.00199	<0.00202 0.00202	<0.00202 0.00202	<0.00202 0.00202	<0.00202 0.00202
Total BTEX		<0.002000 0.002000	<0.001990 0.001990	<0.002020 0.002020	<0.002020 0.002020	<0.002020 0.002020	<0.002020 0.002020
Chloride by EPA 300	Extracted:	01.06.2021 16:00	01.06.2021 16:00	01.06.2021 16:00	01.06.2021 16:00	01.06.2021 16:00	01.06.2021 16:00
	Analyzed:	01.06.2021 17:36	01.06.2021 17:54	01.06.2021 18:00	01.06.2021 18:06	01.06.2021 18:12	01.06.2021 18:18
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		913 10.0	872 9.98	566 9.96	550 9.96	519 9.98	764 9.92
TPH by SW8015 Mod	Extracted:	01.06.2021 18:06	01.06.2021 18:06	01.06.2021 18:06	01.06.2021 18:06	01.06.2021 18:06	01.06.2021 18:06
	Analyzed:	01.06.2021 20:36	01.06.2021 20:56	01.06.2021 21:16	01.06.2021 21:36	01.06.2021 21:57	01.06.2021 22:17
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.2 50.2	<50.1 50.1	<49.8 49.8	<50.2 50.2	<49.8 49.8	<49.8 49.8
Diesel Range Organics (DRO)		<50.2 50.2	<50.1 50.1	<49.8 49.8	<50.2 50.2	<49.8 49.8	<49.8 49.8
Motor Oil Range Hydrocarbons (MRO)		<50.2 50.2	<50.1 50.1	<49.8 49.8	<50.2 50.2	<49.8 49.8	<49.8 49.8
Total TPH		<50.20 50.20	<50.10 50.10	<49.80 49.80	<50.20 50.20	<49.80 49.80	<49.80 49.80

BRL - Below Reporting Limit

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

Certificate of Analysis Summary 683641



Talon LPE-Artesia, Artesia, NM

Project Name: Smalls Fed #001 H

Project Id: 700778.123.02

Contact: David Adkins

Project Location:

Date Received in Lab: Wed 01.06.2021 14:26

Report Date: 01.07.2021 13:42

Project Manager: Jessica Kramer

Analysis Requested	Lab Id:	683641-007	683641-008	683641-009	683641-010		
	Field Id:	WSW-1 A	WSW-2 A	WSW-3 A	WSW-4 A		
	Depth:	5- ft	5- ft	5- ft	5- ft		
	Matrix:	SOIL	SOIL	SOIL	SOIL		
	Sampled:	01.05.2021 11:42	01.05.2021 13:05	01.05.2021 13:55	01.05.2021 14:00		
BTEX by EPA 8021B	Extracted:	01.06.2021 15:40	01.06.2021 15:40	01.06.2021 15:40	01.06.2021 15:40		
	Analyzed:	01.06.2021 23:40	01.07.2021 00:03	01.07.2021 00:25	01.07.2021 00:48		
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Benzene		<0.00198 0.00198	<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200		
Toluene		<0.00198 0.00198	<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200		
Ethylbenzene		<0.00198 0.00198	<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200		
m,p-Xylenes		<0.00397 0.00397	<0.00399 0.00399	<0.00397 0.00397	<0.00400 0.00400		
o-Xylene		<0.00198 0.00198	<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200		
Total Xylenes		<0.00198 0.00198	<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200		
Total BTEX		<0.001980 0.001980	<0.002000 0.002000	<0.001980 0.001980	<0.002000 0.002000		
Chloride by EPA 300	Extracted:	01.06.2021 16:00	01.06.2021 16:00	01.06.2021 16:00	01.06.2021 16:00		
	Analyzed:	01.06.2021 18:24	01.06.2021 18:41	01.06.2021 18:47	01.06.2021 19:05		
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Chloride		245 9.94	350 9.98	349 9.96	1860 50.0		
TPH by SW8015 Mod	Extracted:	01.06.2021 18:06	01.06.2021 18:06	01.06.2021 18:06	01.06.2021 18:06		
	Analyzed:	01.06.2021 22:58	01.06.2021 23:18	01.06.2021 23:38	01.06.2021 23:58		
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Gasoline Range Hydrocarbons (GRO)		<50.0 50.0	<49.9 49.9	<49.8 49.8	<49.9 49.9		
Diesel Range Organics (DRO)		<50.0 50.0	<49.9 49.9	<49.8 49.8	<49.9 49.9		
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<49.9 49.9	<49.8 49.8	<49.9 49.9		
Total TPH		<50.00 50.00	<49.90 49.90	<49.80 49.80	<49.90 49.90		

BRL - Below Reporting Limit

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



Analytical Report 683641

for

Talon LPE-Artesia

Project Manager: David Adkins

Smalls Fed #001 H

700778.123.02

01.07.2021

Collected By: Client

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

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

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

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)



01.07.2021

Project Manager: **David Adkins**

Talon LPE-Artesia

408 West Texas St.

Artesia, NM 88210

Reference: Eurofins Xenco, LLC Report No(s): **683641**

Smalls Fed #001 H

Project Address:

David Adkins:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 683641. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 683641 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

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

Jessica Kramer

Project Manager

A Small Business and Minority Company

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

**Sample Cross Reference 683641****Talon LPE-Artesia, Artesia, NM**

Smalls Fed #001 H

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
S-2 A	S	01.05.2021 11:35	4.5 ft	683641-001
S-3 A	S	01.05.2021 11:39	5 ft	683641-002
S-4 A	S	01.05.2021 12:20	5 ft	683641-003
S-5 A	S	01.05.2021 13:10	5 ft	683641-004
S-6 A	S	01.05.2021 13:50	5 ft	683641-005
S-7 A	S	01.05.2021 14:10	5 ft	683641-006
WSW-1 A	S	01.05.2021 11:42	5 ft	683641-007
WSW-2 A	S	01.05.2021 13:05	5 ft	683641-008
WSW-3 A	S	01.05.2021 13:55	5 ft	683641-009
WSW-4 A	S	01.05.2021 14:00	5 ft	683641-010



CASE NARRATIVE

Client Name: Talon LPE-Artesia

Project Name: Smalls Fed #001 H

Project ID: 700778.123.02
Work Order Number(s): 683641

Report Date: 01.07.2021
Date Received: 01.06.2021

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None



Certificate of Analytical Results 683641

Talon LPE-Artesia, Artesia, NM

Smalls Fed #001 H

Sample Id: S-2 A
Lab Sample Id: 683641-001

Matrix: Soil
Date Collected: 01.05.2021 11:35

Date Received: 01.06.2021 14:26
Sample Depth: 4.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MAB

Analyst: MAB

Date Prep: 01.06.2021 16:00

% Moisture:
Basis: Wet Weight

Seq Number: 3146941

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	913	10.0	mg/kg	01.06.2021 17:36		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: MAB

Analyst: MAB

Date Prep: 01.06.2021 18:06

% Moisture:
Basis: Wet Weight

Seq Number: 3146947

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.06.2021 20:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.06.2021 20:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.06.2021 20:36	U	1
Total TPH	PHC635	<50.20	50.20	mg/kg	01.06.2021 20:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	121	%	70-135	01.06.2021 20:36	
o-Terphenyl	84-15-1	106	%	70-135	01.06.2021 20:36	



Certificate of Analytical Results 683641

Talon LPE-Artesia, Artesia, NM

Smalls Fed #001 H

Sample Id: **S-2 A**
Lab Sample Id: 683641-001

Matrix: Soil
Date Collected: 01.05.2021 11:35

Date Received: 01.06.2021 14:26
Sample Depth: 4.5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 01.06.2021 15:40

% Moisture:
Basis: Wet Weight

Seq Number: 3146949

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.06.2021 20:28	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.06.2021 20:28	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.06.2021 20:28	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.06.2021 20:28	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.06.2021 20:28	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.06.2021 20:28	U	1
Total BTEX		<0.002000	0.002000	mg/kg	01.06.2021 20:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.06.2021 20:28	
4-Bromofluorobenzene	460-00-4	115	%	70-130	01.06.2021 20:28	



Certificate of Analytical Results 683641

Talon LPE-Artesia, Artesia, NM

Smalls Fed #001 H

Sample Id: **S-3 A**
Lab Sample Id: 683641-002

Matrix: Soil
Date Collected: 01.05.2021 11:39

Date Received: 01.06.2021 14:26
Sample Depth: 5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MAB

Analyst: MAB

Date Prep: 01.06.2021 16:00

% Moisture:
Basis: Wet Weight

Seq Number: 3146941

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	872	9.98	mg/kg	01.06.2021 17:54		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: MAB

Analyst: MAB

Date Prep: 01.06.2021 18:06

% Moisture:
Basis: Wet Weight

Seq Number: 3146947

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.06.2021 20:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.06.2021 20:56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.06.2021 20:56	U	1
Total TPH	PHC635	<50.10	50.10	mg/kg	01.06.2021 20:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	01.06.2021 20:56	
o-Terphenyl	84-15-1	112	%	70-135	01.06.2021 20:56	



Certificate of Analytical Results 683641

Talon LPE-Artesia, Artesia, NM

Smalls Fed #001 H

Sample Id: **S-3 A**
Lab Sample Id: 683641-002

Matrix: Soil
Date Collected: 01.05.2021 11:39

Date Received: 01.06.2021 14:26
Sample Depth: 5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 01.06.2021 15:40

% Moisture:
Basis: Wet Weight

Seq Number: 3146949

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.06.2021 20:50	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.06.2021 20:50	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.06.2021 20:50	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.06.2021 20:50	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.06.2021 20:50	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.06.2021 20:50	U	1
Total BTEX		<0.001990	0.001990	mg/kg	01.06.2021 20:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.06.2021 20:50	
1,4-Difluorobenzene	540-36-3	107	%	70-130	01.06.2021 20:50	



Certificate of Analytical Results 683641

Talon LPE-Artesia, Artesia, NM

Smalls Fed #001 H

Sample Id: **S-4 A** Matrix: Soil Date Received: 01.06.2021 14:26
 Lab Sample Id: 683641-003 Date Collected: 01.05.2021 12:20 Sample Depth: 5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 01.06.2021 16:00 % Moisture:
 Seq Number: 3146941 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	566	9.96	mg/kg	01.06.2021 18:00		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: MAB Date Prep: 01.06.2021 18:06 % Moisture:
 Seq Number: 3146947 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.06.2021 21:16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.06.2021 21:16	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.06.2021 21:16	U	1
Total TPH	PHC635	<49.80	49.80	mg/kg	01.06.2021 21:16	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	113	%	70-135	01.06.2021 21:16		
o-Terphenyl	84-15-1	108	%	70-135	01.06.2021 21:16		



Certificate of Analytical Results 683641

Talon LPE-Artesia, Artesia, NM

Smalls Fed #001 H

Sample Id: **S-4 A**
Lab Sample Id: 683641-003

Matrix: Soil
Date Collected: 01.05.2021 12:20

Date Received: 01.06.2021 14:26
Sample Depth: 5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 01.06.2021 15:40

% Moisture:
Basis: Wet Weight

Seq Number: 3146949

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.06.2021 21:13	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.06.2021 21:13	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.06.2021 21:13	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.06.2021 21:13	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.06.2021 21:13	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.06.2021 21:13	U	1
Total BTEX		<0.002020	0.002020	mg/kg	01.06.2021 21:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	106	%	70-130	01.06.2021 21:13	
4-Bromofluorobenzene	460-00-4	119	%	70-130	01.06.2021 21:13	



Certificate of Analytical Results 683641

Talon LPE-Artesia, Artesia, NM

Smalls Fed #001 H

Sample Id: S-5 A
Lab Sample Id: 683641-004

Matrix: Soil
Date Collected: 01.05.2021 13:10

Date Received: 01.06.2021 14:26
Sample Depth: 5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MAB

Analyst: MAB

Date Prep: 01.06.2021 16:00

% Moisture:
Basis: Wet Weight

Seq Number: 3146941

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	550	9.96	mg/kg	01.06.2021 18:06		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: MAB

Analyst: MAB

Date Prep: 01.06.2021 18:06

% Moisture:
Basis: Wet Weight

Seq Number: 3146947

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.06.2021 21:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.06.2021 21:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.06.2021 21:36	U	1
Total TPH	PHC635	<50.20	50.20	mg/kg	01.06.2021 21:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	01.06.2021 21:36	
o-Terphenyl	84-15-1	104	%	70-135	01.06.2021 21:36	



Certificate of Analytical Results 683641

Talon LPE-Artesia, Artesia, NM

Smalls Fed #001 H

Sample Id: **S-5 A**
Lab Sample Id: 683641-004

Matrix: Soil
Date Collected: 01.05.2021 13:10

Date Received: 01.06.2021 14:26
Sample Depth: 5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 01.06.2021 15:40

% Moisture:
Basis: Wet Weight

Seq Number: 3146949

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.06.2021 21:35	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.06.2021 21:35	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.06.2021 21:35	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	01.06.2021 21:35	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.06.2021 21:35	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.06.2021 21:35	U	1
Total BTEX		<0.002020	0.002020	mg/kg	01.06.2021 21:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	01.06.2021 21:35	
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.06.2021 21:35	



Certificate of Analytical Results 683641

Talon LPE-Artesia, Artesia, NM

Smalls Fed #001 H

Sample Id: **S-6 A** Matrix: Soil Date Received: 01.06.2021 14:26
 Lab Sample Id: 683641-005 Date Collected: 01.05.2021 13:50 Sample Depth: 5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 01.06.2021 16:00 % Moisture:
 Seq Number: 3146941 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	519	9.98	mg/kg	01.06.2021 18:12		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: MAB Date Prep: 01.06.2021 18:06 % Moisture:
 Seq Number: 3146947 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.06.2021 21:57	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.06.2021 21:57	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.06.2021 21:57	U	1
Total TPH	PHC635	<49.80	49.80	mg/kg	01.06.2021 21:57	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	115	%	70-135	01.06.2021 21:57		
o-Terphenyl	84-15-1	114	%	70-135	01.06.2021 21:57		



Certificate of Analytical Results 683641

Talon LPE-Artesia, Artesia, NM

Smalls Fed #001 H

Sample Id: **S-6 A**
Lab Sample Id: 683641-005

Matrix: Soil
Date Collected: 01.05.2021 13:50

Date Received: 01.06.2021 14:26
Sample Depth: 5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 01.06.2021 15:40

% Moisture:
Basis: Wet Weight

Seq Number: 3146949

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.06.2021 21:58	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.06.2021 21:58	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.06.2021 21:58	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	01.06.2021 21:58	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.06.2021 21:58	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.06.2021 21:58	U	1
Total BTEX		<0.002020	0.002020	mg/kg	01.06.2021 21:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	123	%	70-130	01.06.2021 21:58	
1,4-Difluorobenzene	540-36-3	107	%	70-130	01.06.2021 21:58	



Certificate of Analytical Results 683641

Talon LPE-Artesia, Artesia, NM

Smalls Fed #001 H

Sample Id: **S-7 A** Matrix: Soil Date Received: 01.06.2021 14:26
 Lab Sample Id: 683641-006 Date Collected: 01.05.2021 14:10 Sample Depth: 5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 01.06.2021 16:00 % Moisture:
 Seq Number: 3146941 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	764	9.92	mg/kg	01.06.2021 18:18		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: MAB Date Prep: 01.06.2021 18:06 % Moisture:
 Seq Number: 3146947 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.06.2021 22:17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.06.2021 22:17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.06.2021 22:17	U	1
Total TPH	PHC635	<49.80	49.80	mg/kg	01.06.2021 22:17	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	112	%	70-135	01.06.2021 22:17		
o-Terphenyl	84-15-1	107	%	70-135	01.06.2021 22:17		



Certificate of Analytical Results 683641

Talon LPE-Artesia, Artesia, NM

Smalls Fed #001 H

Sample Id: S-7 A
Lab Sample Id: 683641-006

Matrix: Soil
Date Collected: 01.05.2021 14:10

Date Received: 01.06.2021 14:26
Sample Depth: 5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 01.06.2021 15:40

% Moisture:
Basis: Wet Weight

Seq Number: 3146949

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.06.2021 22:20	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.06.2021 22:20	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.06.2021 22:20	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	01.06.2021 22:20	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.06.2021 22:20	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.06.2021 22:20	U	1
Total BTEX		<0.002020	0.002020	mg/kg	01.06.2021 22:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.06.2021 22:20	
1,4-Difluorobenzene	540-36-3	102	%	70-130	01.06.2021 22:20	



Certificate of Analytical Results 683641

Talon LPE-Artesia, Artesia, NM

Smalls Fed #001 H

Sample Id: **WSW-1 A**

Matrix: Soil

Date Received: 01.06.2021 14:26

Lab Sample Id: 683641-007

Date Collected: 01.05.2021 11:42

Sample Depth: 5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MAB

Analyst: MAB

Date Prep: 01.06.2021 16:00

% Moisture:
Basis: Wet Weight

Seq Number: 3146941

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	245	9.94	mg/kg	01.06.2021 18:24		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: MAB

Analyst: MAB

Date Prep: 01.06.2021 18:06

% Moisture:
Basis: Wet Weight

Seq Number: 3146947

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.06.2021 22:58	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.06.2021 22:58	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.06.2021 22:58	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	01.06.2021 22:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	01.06.2021 22:58	
o-Terphenyl	84-15-1	106	%	70-135	01.06.2021 22:58	



Certificate of Analytical Results 683641

Talon LPE-Artesia, Artesia, NM

Smalls Fed #001 H

Sample Id: **WSW-1 A**

Matrix: Soil

Date Received: 01.06.2021 14:26

Lab Sample Id: 683641-007

Date Collected: 01.05.2021 11:42

Sample Depth: 5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 01.06.2021 15:40

% Moisture:

Seq Number: 3146949

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.06.2021 23:40	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.06.2021 23:40	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.06.2021 23:40	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.06.2021 23:40	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.06.2021 23:40	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.06.2021 23:40	U	1
Total BTEX		<0.001980	0.001980	mg/kg	01.06.2021 23:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	120	%	70-130	01.06.2021 23:40	
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.06.2021 23:40	



Certificate of Analytical Results 683641

Talon LPE-Artesia, Artesia, NM

Smalls Fed #001 H

Sample Id: **WSW-2 A**

Matrix: Soil

Date Received: 01.06.2021 14:26

Lab Sample Id: 683641-008

Date Collected: 01.05.2021 13:05

Sample Depth: 5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MAB

Analyst: MAB

Date Prep: 01.06.2021 16:00

% Moisture:
Basis: Wet Weight

Seq Number: 3146941

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	350	9.98	mg/kg	01.06.2021 18:41		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: MAB

Analyst: MAB

Date Prep: 01.06.2021 18:06

% Moisture:
Basis: Wet Weight

Seq Number: 3146947

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.06.2021 23:18	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.06.2021 23:18	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.06.2021 23:18	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	01.06.2021 23:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	01.06.2021 23:18	
o-Terphenyl	84-15-1	98	%	70-135	01.06.2021 23:18	



Certificate of Analytical Results 683641

Talon LPE-Artesia, Artesia, NM

Smalls Fed #001 H

Sample Id: **WSW-2 A**

Matrix: Soil

Date Received: 01.06.2021 14:26

Lab Sample Id: 683641-008

Date Collected: 01.05.2021 13:05

Sample Depth: 5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 01.06.2021 15:40

% Moisture:
Basis: Wet Weight

Seq Number: 3146949

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.07.2021 00:03	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.07.2021 00:03	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.07.2021 00:03	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.07.2021 00:03	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.07.2021 00:03	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.07.2021 00:03	U	1
Total BTEX		<0.002000	0.002000	mg/kg	01.07.2021 00:03	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	119	%	70-130	01.07.2021 00:03		
1,4-Difluorobenzene	540-36-3	103	%	70-130	01.07.2021 00:03		



Certificate of Analytical Results 683641

Talon LPE-Artesia, Artesia, NM

Smalls Fed #001 H

Sample Id: **WSW-3 A**

Matrix: Soil

Date Received: 01.06.2021 14:26

Lab Sample Id: 683641-009

Date Collected: 01.05.2021 13:55

Sample Depth: 5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MAB

Analyst: MAB

Date Prep: 01.06.2021 16:00

% Moisture:

Seq Number: 3146941

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	349	9.96	mg/kg	01.06.2021 18:47		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: MAB

Analyst: MAB

Date Prep: 01.06.2021 18:06

% Moisture:

Seq Number: 3146947

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.06.2021 23:38	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.06.2021 23:38	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.06.2021 23:38	U	1
Total TPH	PHC635	<49.80	49.80	mg/kg	01.06.2021 23:38	U	1

Surrogate

1-Chlorooctane

o-Terphenyl

Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
111-85-3	111	%	70-135	01.06.2021 23:38	
84-15-1	114	%	70-135	01.06.2021 23:38	



Certificate of Analytical Results 683641

Talon LPE-Artesia, Artesia, NM

Smalls Fed #001 H

Sample Id: **WSW-3 A**

Matrix: Soil

Date Received: 01.06.2021 14:26

Lab Sample Id: 683641-009

Date Collected: 01.05.2021 13:55

Sample Depth: 5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 01.06.2021 15:40

% Moisture:

Seq Number: 3146949

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.07.2021 00:25	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.07.2021 00:25	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.07.2021 00:25	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.07.2021 00:25	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.07.2021 00:25	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.07.2021 00:25	U	1
Total BTEX		<0.001980	0.001980	mg/kg	01.07.2021 00:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	108	%	70-130	01.07.2021 00:25	
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.07.2021 00:25	



Certificate of Analytical Results 683641

Talon LPE-Artesia, Artesia, NM

Smalls Fed #001 H

Sample Id: **WSW-4 A**

Matrix: Soil

Date Received: 01.06.2021 14:26

Lab Sample Id: 683641-010

Date Collected: 01.05.2021 14:00

Sample Depth: 5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MAB

Analyst: MAB

Date Prep: 01.06.2021 16:00

% Moisture:
Basis: Wet Weight

Seq Number: 3146941

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1860	50.0	mg/kg	01.06.2021 19:05		5

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: MAB

Analyst: MAB

Date Prep: 01.06.2021 18:06

% Moisture:
Basis: Wet Weight

Seq Number: 3146947

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.06.2021 23:58	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.06.2021 23:58	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.06.2021 23:58	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	01.06.2021 23:58	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	118	%	70-135	01.06.2021 23:58		
o-Terphenyl	84-15-1	102	%	70-135	01.06.2021 23:58		



Certificate of Analytical Results 683641

Talon LPE-Artesia, Artesia, NM

Smalls Fed #001 H

Sample Id: **WSW-4 A**

Matrix: Soil

Date Received: 01.06.2021 14:26

Lab Sample Id: 683641-010

Date Collected: 01.05.2021 14:00

Sample Depth: 5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 01.06.2021 15:40

% Moisture:

Seq Number: 3146949

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.07.2021 00:48	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.07.2021 00:48	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.07.2021 00:48	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	01.07.2021 00:48	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.07.2021 00:48	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.07.2021 00:48	U	1
Total BTEX		<0.002000	0.002000	mg/kg	01.07.2021 00:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.07.2021 00:48	
4-Bromofluorobenzene	460-00-4	113	%	70-130	01.07.2021 00:48	



Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

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

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

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

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

+ NELAC certification not offered for this compound.

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



Talon LPE-Artesia Smalls Fed #001 H

Analytical Method: Chloride by EPA 300

Seq Number: 3146941

MB Sample Id: 7718578-1-BLK

Matrix: Solid

LCS Sample Id: 7718578-1-BKS

Prep Method: E300P

Date Prep: 01.06.2021

LCSD Sample Id: 7718578-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	244	98	247	99	90-110	1	20	mg/kg	01.06.2021 16:48	

Analytical Method: Chloride by EPA 300

Seq Number: 3146941

Parent Sample Id: 683632-001

Matrix: Soil

MS Sample Id: 683632-001 S

Prep Method: E300P

Date Prep: 01.06.2021

MSD Sample Id: 683632-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	3070	198	3250	91	3260	95	90-110	0	20	mg/kg	01.06.2021 17:06	

Analytical Method: Chloride by EPA 300

Seq Number: 3146941

Parent Sample Id: 683641-007

Matrix: Soil

MS Sample Id: 683641-007 S

Prep Method: E300P

Date Prep: 01.06.2021

MSD Sample Id: 683641-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	245	202	433	93	449	103	90-110	4	20	mg/kg	01.06.2021 18:30	

Analytical Method: TPH by SW8015 Mod

Seq Number: 3146947

MB Sample Id: 7718580-1-BLK

Matrix: Solid

LCS Sample Id: 7718580-1-BKS

Prep Method: SW8015P

Date Prep: 01.06.2021

LCSD Sample Id: 7718580-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	992	99	1140	114	70-135	14	35	mg/kg	01.06.2021 17:54	
Diesel Range Organics (DRO)	<50.0	1000	927	93	1120	112	70-135	19	35	mg/kg	01.06.2021 17:54	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	97		108		112		70-135	%	01.06.2021 17:54
o-Terphenyl	106		109		104		70-135	%	01.06.2021 17:54

Analytical Method: TPH by SW8015 Mod

Seq Number: 3146947

Matrix: Solid

MB Sample Id: 7718580-1-BLK

Prep Method: SW8015P

Date Prep: 01.06.2021

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.06.2021 17:34	

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

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

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

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



Talon LPE-Artesia Smalls Fed #001 H

Analytical Method: TPH by SW8015 Mod

Seq Number: 3146947

Parent Sample Id: 683632-001

Matrix: Soil

MS Sample Id: 683632-001 S

Prep Method: SW8015P

Date Prep: 01.06.2021

MSD Sample Id: 683632-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.1	1000	1130	113	1170	117	70-135	3	35	mg/kg	01.06.2021 18:55	
Diesel Range Organics (DRO)	<50.1	1000	1160	116	1030	103	70-135	12	35	mg/kg	01.06.2021 18:55	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	114		112		70-135	%	01.06.2021 18:55
o-Terphenyl	107		115		70-135	%	01.06.2021 18:55

Analytical Method: BTEX by EPA 8021B

Seq Number: 3146949

MB Sample Id: 7718571-1-BLK

Matrix: Solid

LCS Sample Id: 7718571-1-BKS

Prep Method: SW5035A

Date Prep: 01.06.2021

LCSD Sample Id: 7718571-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0994	99	0.107	107	70-130	7	35	mg/kg	01.06.2021 16:48	
Toluene	<0.00200	0.100	0.0934	93	0.101	101	70-130	8	35	mg/kg	01.06.2021 16:48	
Ethylbenzene	<0.00200	0.100	0.0986	99	0.104	104	71-129	5	35	mg/kg	01.06.2021 16:48	
m,p-Xylenes	<0.00400	0.200	0.202	101	0.215	108	70-135	6	35	mg/kg	01.06.2021 16:48	
o-Xylene	<0.00200	0.100	0.0977	98	0.111	111	71-133	13	35	mg/kg	01.06.2021 16:48	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104		103		103		70-130	%	01.06.2021 16:48
4-Bromofluorobenzene	110		107		110		70-130	%	01.06.2021 16:48

Analytical Method: BTEX by EPA 8021B

Seq Number: 3146949

Parent Sample Id: 683632-001

Matrix: Soil

MS Sample Id: 683632-001 S

Prep Method: SW5035A

Date Prep: 01.06.2021

MSD Sample Id: 683632-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00202	0.101	0.110	109	0.0972	98	70-130	12	35	mg/kg	01.06.2021 17:33	
Toluene	<0.00202	0.101	0.106	105	0.0905	91	70-130	16	35	mg/kg	01.06.2021 17:33	
Ethylbenzene	<0.00202	0.101	0.105	104	0.0906	91	71-129	15	35	mg/kg	01.06.2021 17:33	
m,p-Xylenes	<0.00404	0.202	0.211	104	0.186	93	70-135	13	35	mg/kg	01.06.2021 17:33	
o-Xylene	<0.00202	0.101	0.107	106	0.0901	90	71-133	17	35	mg/kg	01.06.2021 17:33	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104		105		70-130	%	01.06.2021 17:33
4-Bromofluorobenzene	113		107		70-130	%	01.06.2021 17:33

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

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

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

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



Chain of Custody

Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334
 Midland, TX (432) 704-5440 EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296 Crasabad, NM (432) 704-5440
 Phoenix, AZ (480) 355-0900 Atlanta, GA (770) 449-8800 Tampa, FL (813) 620-2000 West Palm Beach, FL (561) 689-6701

Work Order No: 1083641

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Page 1 of 1

Project Manager:	Daniel Adkins	Bill to: (if different)	Shelton Hittman
Company Name:	Yellow LPE	Company Name:	CDR
Address:	408 W. Texas	Address:	
City, State ZIP:	Arkadia, NM	City, State ZIP:	
Phone:		Email:	

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

Project Name:	Small's Feed 4001 #	Turn Around	
Project Number:	700778.123.02	Routine	☒
Project Location		Rush:	
Sampler's Name:	David McEnnis	Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT	
Temp Blank:	☒ Yes ☐ No
Wet Ice:	☒ Yes ☐ No
Temperature (°C):	0.6/0.4
Received Intact:	☒ Yes ☐ No
Cooler Custody Seals:	☒ Yes ☐ No
Sample Custody Seals:	☒ Yes ☐ No
Thermometer ID:	7-NM-207
Correction Factor:	-0.2
Total Containers:	16

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers			
	S-2A	S	1-5-21	1135	4.5'	1	✓	✓	✓
	S-3A	S		1139	5'	1	✓	✓	✓
	S-4A	S		1220	5'	1	✓	✓	✓
	S-5A	S		1310	5'	1	✓	✓	✓
	S-6A	S		1350	5'	1	✓	✓	✓
	S-7A	S		1410	5'	1	✓	✓	✓
	WSW-1A	S		1142	5'	1	✓	✓	✓
	WSW-2A	S		1305	5'	1	✓	✓	✓
	WSW-3A	S		1355	5'	1	✓	✓	✓
	WSW-4A	S		1400	5'	1	✓	✓	✓

ANALYSIS REQUEST																Preservative Codes	
Pres. Code																MeOH: Me	
Number of Containers		999	2015 m													None: NO	
		Box														HNO3: HN	
		OK	Method 3.00													H2SO4: H2	
																HCL: HL	
																NaOH: Na	
																Zn Acetate+ NaOH: Zn	
																TAT starts the day received by the lab, if received by 4:00pm	
																Sample Comments	
					</												

Total 200.7 / 6010 200.8 / 6020:

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

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

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

1631 / 245.1 / 7470 / 7471 : Hg

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	1426 1-6-21			

Revised Date 022619 Rev. 2019.1

Certificate of Analysis Summary 684314



Talon LPE-Artesia, Artesia, NM

Project Name: Smalls Fed #1H

Project Id: 700778.123.02
Contact: D. Adkins
Project Location: Lea County, New Mexico

Date Received in Lab: Tue 01.12.2021 10:48
Report Date: 01.15.2021 09:50
Project Manager: Jessica Kramer

Analysis Requested	Lab Id:	684314-001	684314-002	684314-003	684314-004	684314-005	684314-006
	Field Id:	S-2	S-3	S-7	S-8	S-9	S-10
	Depth:	6- ft	6- ft	6- ft	6- ft	6- ft	6- ft
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	01.07.2021 08:30	01.07.2021 08:35	01.07.2021 08:40	01.07.2021 08:45	01.07.2021 08:50	01.07.2021 08:55
BTEX by EPA 8021B	Extracted:	01.12.2021 16:00	01.12.2021 16:00	01.12.2021 16:00	01.12.2021 16:00	01.12.2021 16:00	01.12.2021 16:00
	Analyzed:	01.12.2021 21:43	01.12.2021 22:05	01.12.2021 22:28	01.12.2021 22:50	01.12.2021 23:13	01.12.2021 23:35
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199
Toluene		<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199
Ethylbenzene		<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199
m,p-Xylenes		<0.00401 0.00401	<0.00399 0.00399	<0.00401 0.00401	<0.00403 0.00403	<0.00399 0.00399	<0.00398 0.00398
o-Xylene		<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199
Total Xylenes		<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199
Total BTEX		<0.002000 0.002000	<0.002000 0.002000	<0.002000 0.002000	<0.002020 0.002020	<0.002000 0.002000	<0.001990 0.001990
Chloride by EPA 300	Extracted:	01.12.2021 16:00	01.12.2021 16:00	01.12.2021 16:00	01.12.2021 16:00	01.12.2021 16:00	01.12.2021 16:00
	Analyzed:	01.12.2021 16:10	01.12.2021 16:28	01.12.2021 16:34	01.12.2021 16:40	01.12.2021 16:46	01.12.2021 17:04
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		348 9.90	374 9.96	445 9.98	447 9.92	367 9.96	386 10.1
TPH by SW8015 Mod	Extracted:	01.12.2021 16:01	01.12.2021 16:01	01.12.2021 16:01	01.12.2021 16:01	01.12.2021 16:01	01.12.2021 16:01
	Analyzed:	01.12.2021 18:13	01.12.2021 19:14	01.12.2021 19:34	01.12.2021 19:54	01.12.2021 20:14	01.12.2021 20:34
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.2 50.2	<50.2 50.2	<50.3 50.3	<49.9 49.9	<50.1 50.1	<50.1 50.1
Diesel Range Organics (DRO)		<50.2 50.2	<50.2 50.2	<50.3 50.3	<49.9 49.9	<50.1 50.1	<50.1 50.1
Motor Oil Range Hydrocarbons (MRO)		<50.2 50.2	<50.2 50.2	<50.3 50.3	<49.9 49.9	<50.1 50.1	<50.1 50.1
Total TPH		<50.20 50.20	<50.20 50.20	<50.30 50.30	<49.90 49.90	<50.10 50.10	<50.10 50.10

BRL - Below Reporting Limit

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

Certificate of Analysis Summary 684314



Talon LPE-Artesia, Artesia, NM

Project Name: Smalls Fed #1H

Project Id: 700778.123.02
Contact: D. Adkins
Project Location: Lea County, New Mexico

Date Received in Lab: Tue 01.12.2021 10:48
Report Date: 01.15.2021 09:50
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	684314-007	684314-008	684314-009	684314-010	684314-011	684314-012
	<i>Field Id:</i>	W.SW-4	W.SW-5	W.SW-6	W.SW-7	W.SW-9	W.SW-10
	<i>Depth:</i>	6- ft	6- ft	6- ft	6- ft	6- ft	6- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	01.07.2021 09:05	01.07.2021 09:10	01.07.2021 12:15	01.07.2021 12:20	01.07.2021 12:25	01.07.2021 12:30
BTEX by EPA 8021B	<i>Extracted:</i>	01.12.2021 16:00	01.12.2021 16:00	01.12.2021 16:00	01.12.2021 16:00	01.12.2021 16:00	01.12.2021 16:00
	<i>Analyzed:</i>	01.12.2021 23:58	01.13.2021 00:20	01.13.2021 00:43	01.13.2021 01:05	01.13.2021 02:25	01.13.2021 02:48
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00198 0.00198	<0.00200 0.00200	<0.00198 0.00198	<0.00201 0.00201	<0.00202 0.00202	<0.00200 0.00200
Toluene		<0.00198 0.00198	<0.00200 0.00200	<0.00198 0.00198	<0.00201 0.00201	<0.00202 0.00202	<0.00200 0.00200
Ethylbenzene		<0.00198 0.00198	<0.00200 0.00200	<0.00198 0.00198	<0.00201 0.00201	<0.00202 0.00202	<0.00200 0.00200
m,p-Xylenes		<0.00397 0.00397	<0.00399 0.00399	<0.00397 0.00397	<0.00402 0.00402	<0.00403 0.00403	<0.00399 0.00399
o-Xylene		<0.00198 0.00198	<0.00200 0.00200	<0.00198 0.00198	<0.00201 0.00201	<0.00202 0.00202	<0.00200 0.00200
Total Xylenes		<0.00198 0.00198	<0.00200 0.00200	<0.00198 0.00198	<0.00201 0.00201	<0.00202 0.00202	<0.00200 0.00200
Total BTEX		<0.001980 0.001980	<0.002000 0.002000	<0.001980 0.001980	<0.002010 0.002010	<0.002020 0.002020	<0.002000 0.002000
Chloride by EPA 300	<i>Extracted:</i>	01.12.2021 16:00	01.12.2021 16:00	01.12.2021 16:00	01.12.2021 16:00	01.12.2021 16:00	01.12.2021 16:00
	<i>Analyzed:</i>	01.12.2021 17:10	01.12.2021 17:16	01.12.2021 17:22	01.12.2021 17:28	01.12.2021 17:34	01.12.2021 17:52
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		354 10.0	505 10.0	529 10.1	474 9.98	492 9.92	459 9.90
TPH by SW8015 Mod	<i>Extracted:</i>	01.12.2021 16:01	01.12.2021 16:01	01.12.2021 16:01	01.12.2021 16:01	01.12.2021 16:01	01.12.2021 16:01
	<i>Analyzed:</i>	01.12.2021 20:53	01.12.2021 21:13	01.12.2021 21:33	01.12.2021 21:53	01.12.2021 22:33	01.12.2021 22:52
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<49.9 49.9	<49.9 49.9	<49.9 49.9	<49.9 49.9	<50.3 50.3	<49.8 49.8
Diesel Range Organics (DRO)		<49.9 49.9	<49.9 49.9	<49.9 49.9	<49.9 49.9	<50.3 50.3	<49.8 49.8
Motor Oil Range Hydrocarbons (MRO)		<49.9 49.9	<49.9 49.9	<49.9 49.9	<49.9 49.9	<50.3 50.3	<49.8 49.8
Total TPH		<49.90 49.90	<49.90 49.90	<49.90 49.90	<49.90 49.90	<50.30 50.30	<49.80 49.80

BRL - Below Reporting Limit

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

Certificate of Analysis Summary 684314



Talon LPE-Artesia, Artesia, NM

Project Name: Smalls Fed #1H

Project Id: 700778.123.02
Contact: D. Adkins
Project Location: Lea County, New Mexico

Date Received in Lab: Tue 01.12.2021 10:48
Report Date: 01.15.2021 09:50
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	684314-013	684314-014	684314-015	684314-016	684314-017	684314-018
	<i>Field Id:</i>	W.SW-11	W.SW-12	W.SW-13	W.SW-14	BG-1	BG-2
	<i>Depth:</i>	6- ft	6- ft	6- ft	6- ft	0- ft	0- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	01.07.2021 13:05	01.07.2021 14:20	01.07.2021 14:25	01.07.2021 14:30	01.07.2021 10:25	01.07.2021 10:30
BTEX by EPA 8021B	<i>Extracted:</i>	01.12.2021 16:00	01.12.2021 16:00	01.12.2021 16:00	01.12.2021 16:00	01.12.2021 16:00	01.12.2021 16:00
	<i>Analyzed:</i>	01.13.2021 03:10	01.13.2021 03:33	01.13.2021 03:56	01.13.2021 04:18	01.13.2021 04:41	01.13.2021 05:03
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200
Toluene		<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200
Ethylbenzene		<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200
m,p-Xylenes		<0.00397 0.00397	<0.00399 0.00399	<0.00398 0.00398	<0.00399 0.00399	<0.00398 0.00398	<0.00399 0.00399
o-Xylene		<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200
Total Xylenes		<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200
Total BTEX		<0.001980 0.001980	<0.002000 0.002000	<0.001990 0.001990	<0.002000 0.002000	<0.001990 0.001990	<0.002000 0.002000
Chloride by EPA 300	<i>Extracted:</i>	01.12.2021 16:00	01.12.2021 16:00	01.12.2021 16:00	01.12.2021 16:00	01.12.2021 16:00	01.12.2021 16:00
	<i>Analyzed:</i>	01.12.2021 17:58	01.12.2021 18:16	01.12.2021 18:22	01.12.2021 18:28	01.12.2021 18:34	01.12.2021 18:40
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		539 9.96	439 9.98	378 9.98	383 10.1	<9.90 9.90	11.6 9.92
TPH by SW8015 Mod	<i>Extracted:</i>	01.12.2021 16:01	01.12.2021 16:01	01.12.2021 16:01	01.12.2021 16:01	01.12.2021 16:01	01.12.2021 16:01
	<i>Analyzed:</i>	01.12.2021 23:12	01.12.2021 23:32	01.12.2021 23:52	01.13.2021 00:12	01.13.2021 00:32	01.13.2021 00:51
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<49.8 49.8	<5.05 5.05	<50.2 50.2	<50.1 50.1	<49.9 49.9	<50.0 50.0
Diesel Range Organics (DRO)		99.5 49.8	<5.05 5.05	<50.2 50.2	<50.1 50.1	<49.9 49.9	<50.0 50.0
Motor Oil Range Hydrocarbons (MRO)		<49.8 49.8	<5.05 5.05	<50.2 50.2	<50.1 50.1	<49.9 49.9	<50.0 50.0
Total TPH		99.50 49.80	<5.050 5.050	<50.20 50.20	<50.10 50.10	<49.90 49.90	<50.00 50.00

BRL - Below Reporting Limit

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

Certificate of Analysis Summary 684314



Talon LPE-Artesia, Artesia, NM

Project Name: Smalls Fed #1H

Project Id: 700778.123.02
Contact: D. Adkins
Project Location: Lea County, New Mexico

Date Received in Lab: Tue 01.12.2021 10:48
Report Date: 01.15.2021 09:50
Project Manager: Jessica Kramer

Analysis Requested	Lab Id:	684314-019	684314-020				
	Field Id:	BG-3	BG-4				
	Depth:	0- ft	0- ft				
	Matrix:	SOIL	SOIL				
	Sampled:	01.07.2021 10:35	01.07.2021 10:40				
BTEX by EPA 8021B	Extracted:	01.12.2021 16:00	01.12.2021 16:00				
	Analyzed:	01.13.2021 05:26	01.13.2021 05:48				
	Units/RL:	mg/kg RL	mg/kg RL				
		<0.00198 0.00198	<0.00200 0.00200				
Benzene							
Toluene		<0.00198 0.00198	<0.00200 0.00200				
Ethylbenzene		<0.00198 0.00198	<0.00200 0.00200				
m,p-Xylenes		<0.00397 0.00397	<0.00399 0.00399				
o-Xylene		<0.00198 0.00198	<0.00200 0.00200				
Total Xylenes		<0.00198 0.00198	<0.00200 0.00200				
Total BTEX		<0.001980 0.001980	<0.002000 0.002000				
Chloride by EPA 300	Extracted:	01.12.2021 16:00	01.12.2021 16:00				
	Analyzed:	01.12.2021 18:46	01.12.2021 18:52				
	Units/RL:	mg/kg RL	mg/kg RL				
		<10.1 10.1	13.0 9.94				
Chloride							
TPH by SW8015 Mod	Extracted:	01.12.2021 16:01	01.12.2021 16:01				
	Analyzed:	01.13.2021 01:11	01.13.2021 01:31				
	Units/RL:	mg/kg RL	mg/kg RL				
		<50.0 50.0	<49.8 49.8				
Gasoline Range Hydrocarbons (GRO)							
Diesel Range Organics (DRO)		<50.0 50.0	<49.8 49.8				
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<49.8 49.8				
Total TPH		<50.00 50.00	<49.80 49.80				

BRL - Below Reporting Limit

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



Analytical Report 684314

for

Talon LPE-Artesia

Project Manager: D. Adkins

Smalls Fed #1H

700778.123.02

01.15.2021

Collected By: Client

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

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

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

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TN102385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)



01.15.2021

Project Manager: **D. Adkins**

Talon LPE-Artesia

408 West Texas St.

Artesia, NM 88210

Reference: Eurofins Xenco, LLC Report No(s): **684314**

Smalls Fed #1H

Project Address: Lea County, New Mexico

D. Adkins :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 684314. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 684314 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

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

Jessica Kramer

Project Manager

A Small Business and Minority Company

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

**Sample Cross Reference 684314****Talon LPE-Artesia, Artesia, NM**

Smalls Fed #1H

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
S-2	S	01.07.2021 08:30	6 ft	684314-001
S-3	S	01.07.2021 08:35	6 ft	684314-002
S-7	S	01.07.2021 08:40	6 ft	684314-003
S-8	S	01.07.2021 08:45	6 ft	684314-004
S-9	S	01.07.2021 08:50	6 ft	684314-005
S-10	S	01.07.2021 08:55	6 ft	684314-006
W.SW-4	S	01.07.2021 09:05	6 ft	684314-007
W.SW-5	S	01.07.2021 09:10	6 ft	684314-008
W.SW-6	S	01.07.2021 12:15	6 ft	684314-009
W.SW-7	S	01.07.2021 12:20	6 ft	684314-010
W.SW-9	S	01.07.2021 12:25	6 ft	684314-011
W.SW-10	S	01.07.2021 12:30	6 ft	684314-012
W.SW-11	S	01.07.2021 13:05	6 ft	684314-013
W.SW-12	S	01.07.2021 14:20	6 ft	684314-014
W.SW-13	S	01.07.2021 14:25	6 ft	684314-015
W.SW-14	S	01.07.2021 14:30	6 ft	684314-016
BG-1	S	01.07.2021 10:25	0 ft	684314-017
BG-2	S	01.07.2021 10:30	0 ft	684314-018
BG-3	S	01.07.2021 10:35	0 ft	684314-019
BG-4	S	01.07.2021 10:40	0 ft	684314-020



CASE NARRATIVE

Client Name: Talon LPE-Artesia

Project Name: Smalls Fed #1H

Project ID: 700778.123.02
Work Order Number(s): 684314

Report Date: 01.15.2021
Date Received: 01.12.2021

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: S-2 Matrix: Soil Date Received: 01.12.2021 10:48
 Lab Sample Id: 684314-001 Date Collected: 01.07.2021 08:30 Sample Depth: 6 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 01.12.2021 16:00 % Moisture:
 Seq Number: 3147634 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	348	9.90	mg/kg	01.12.2021 16:10		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: CAC
 Analyst: CAC Date Prep: 01.12.2021 16:01 % Moisture:
 Seq Number: 3147663 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.12.2021 18:13	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.12.2021 18:13	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.12.2021 18:13	U	1
Total TPH	PHC635	<50.20	50.20	mg/kg	01.12.2021 18:13	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	115	%	70-135	01.12.2021 18:13		
o-Terphenyl	84-15-1	106	%	70-135	01.12.2021 18:13		



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: S-2 Matrix: Soil Date Received: 01.12.2021 10:48
 Lab Sample Id: 684314-001 Date Collected: 01.07.2021 08:30 Sample Depth: 6 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 01.12.2021 16:00 % Moisture:
 Seq Number: 3147859 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.12.2021 21:43	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.12.2021 21:43	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.12.2021 21:43	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.12.2021 21:43	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.12.2021 21:43	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.12.2021 21:43	U	1
Total BTEX		<0.002000	0.002000	mg/kg	01.12.2021 21:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	01.12.2021 21:43	
4-Bromofluorobenzene	460-00-4	119	%	70-130	01.12.2021 21:43	



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: S-3 Matrix: Soil Date Received: 01.12.2021 10:48
 Lab Sample Id: 684314-002 Date Collected: 01.07.2021 08:35 Sample Depth: 6 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 01.12.2021 16:00 % Moisture:
 Seq Number: 3147634 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	374	9.96	mg/kg	01.12.2021 16:28		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: CAC
 Analyst: CAC Date Prep: 01.12.2021 16:01 % Moisture:
 Seq Number: 3147663 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.12.2021 19:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.12.2021 19:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.12.2021 19:14	U	1
Total TPH	PHC635	<50.20	50.20	mg/kg	01.12.2021 19:14	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	104	%	70-135	01.12.2021 19:14		
o-Terphenyl	84-15-1	112	%	70-135	01.12.2021 19:14		



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: **S-3** Matrix: **Soil** Date Received: 01.12.2021 10:48
 Lab Sample Id: 684314-002 Date Collected: 01.07.2021 08:35 Sample Depth: 6 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: **MAB**
 Analyst: **MAB** Date Prep: 01.12.2021 16:00 % Moisture:
 Seq Number: 3147859 Basis: **Wet Weight**

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.12.2021 22:05	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.12.2021 22:05	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.12.2021 22:05	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.12.2021 22:05	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.12.2021 22:05	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.12.2021 22:05	U	1
Total BTEX		<0.002000	0.002000	mg/kg	01.12.2021 22:05	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	103	%	70-130	01.12.2021 22:05		
4-Bromofluorobenzene	460-00-4	120	%	70-130	01.12.2021 22:05		



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: S-7 Matrix: Soil Date Received: 01.12.2021 10:48
 Lab Sample Id: 684314-003 Date Collected: 01.07.2021 08:40 Sample Depth: 6 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 01.12.2021 16:00 % Moisture:
 Seq Number: 3147634 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	445	9.98	mg/kg	01.12.2021 16:34		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: CAC
 Analyst: CAC Date Prep: 01.12.2021 16:01 % Moisture:
 Seq Number: 3147663 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	01.12.2021 19:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	01.12.2021 19:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	01.12.2021 19:34	U	1
Total TPH	PHC635	<50.30	50.30	mg/kg	01.12.2021 19:34	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	125	%	70-135	01.12.2021 19:34		
o-Terphenyl	84-15-1	106	%	70-135	01.12.2021 19:34		



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: S-7 Matrix: Soil Date Received: 01.12.2021 10:48
 Lab Sample Id: 684314-003 Date Collected: 01.07.2021 08:40 Sample Depth: 6 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 01.12.2021 16:00 % Moisture:
 Seq Number: 3147859 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.12.2021 22:28	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.12.2021 22:28	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.12.2021 22:28	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.12.2021 22:28	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.12.2021 22:28	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.12.2021 22:28	U	1
Total BTEX		<0.002000	0.002000	mg/kg	01.12.2021 22:28	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.12.2021 22:28		
4-Bromofluorobenzene	460-00-4	125	%	70-130	01.12.2021 22:28		



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM

Smalls Fed #1H

Sample Id: **S-8** Matrix: Soil Date Received: 01.12.2021 10:48
 Lab Sample Id: 684314-004 Date Collected: 01.07.2021 08:45 Sample Depth: 6 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 01.12.2021 16:00 % Moisture:
 Seq Number: 3147634 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	447	9.92	mg/kg	01.12.2021 16:40		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: CAC
 Analyst: CAC Date Prep: 01.12.2021 16:01 % Moisture:
 Seq Number: 3147663 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.12.2021 19:54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.12.2021 19:54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.12.2021 19:54	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	01.12.2021 19:54	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	112	%	70-135	01.12.2021 19:54		
o-Terphenyl	84-15-1	94	%	70-135	01.12.2021 19:54		



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: **S-8**
Lab Sample Id: 684314-004

Matrix: Soil
Date Collected: 01.07.2021 08:45

Date Received: 01.12.2021 10:48
Sample Depth: 6 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 01.12.2021 16:00

% Moisture:
Basis: Wet Weight

Seq Number: 3147859

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.12.2021 22:50	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.12.2021 22:50	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.12.2021 22:50	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.12.2021 22:50	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.12.2021 22:50	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.12.2021 22:50	U	1
Total BTEX		<0.002020	0.002020	mg/kg	01.12.2021 22:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	108	%	70-130	01.12.2021 22:50	
4-Bromofluorobenzene	460-00-4	128	%	70-130	01.12.2021 22:50	



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: **S-9** Matrix: Soil Date Received: 01.12.2021 10:48
 Lab Sample Id: 684314-005 Date Collected: 01.07.2021 08:50 Sample Depth: 6 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 01.12.2021 16:00 % Moisture:
 Seq Number: 3147634 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	367	9.96	mg/kg	01.12.2021 16:46		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: CAC
 Analyst: CAC Date Prep: 01.12.2021 16:01 % Moisture:
 Seq Number: 3147663 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.12.2021 20:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.12.2021 20:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.12.2021 20:14	U	1
Total TPH	PHC635	<50.10	50.10	mg/kg	01.12.2021 20:14	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	118	%	70-135	01.12.2021 20:14		
o-Terphenyl	84-15-1	108	%	70-135	01.12.2021 20:14		



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: **S-9** Matrix: **Soil** Date Received: 01.12.2021 10:48
 Lab Sample Id: 684314-005 Date Collected: 01.07.2021 08:50 Sample Depth: 6 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: **MAB**
 Analyst: **MAB** Date Prep: 01.12.2021 16:00 % Moisture:
 Seq Number: 3147859 Basis: **Wet Weight**

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.12.2021 23:13	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.12.2021 23:13	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.12.2021 23:13	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.12.2021 23:13	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.12.2021 23:13	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.12.2021 23:13	U	1
Total BTEX		<0.002000	0.002000	mg/kg	01.12.2021 23:13	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.12.2021 23:13		
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.12.2021 23:13		



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Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: **S-10** Matrix: Soil Date Received: 01.12.2021 10:48
 Lab Sample Id: 684314-006 Date Collected: 01.07.2021 08:55 Sample Depth: 6 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 01.12.2021 16:00 % Moisture:
 Seq Number: 3147634 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	386	10.1	mg/kg	01.12.2021 17:04		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: CAC
 Analyst: CAC Date Prep: 01.12.2021 16:01 % Moisture:
 Seq Number: 3147663 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.12.2021 20:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.12.2021 20:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.12.2021 20:34	U	1
Total TPH	PHC635	<50.10	50.10	mg/kg	01.12.2021 20:34	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	102	%	70-135	01.12.2021 20:34		
o-Terphenyl	84-15-1	124	%	70-135	01.12.2021 20:34		



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: **S-10**
Lab Sample Id: 684314-006

Matrix: Soil
Date Collected: 01.07.2021 08:55

Date Received: 01.12.2021 10:48
Sample Depth: 6 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 01.12.2021 16:00

% Moisture:
Basis: Wet Weight

Seq Number: 3147859

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.12.2021 23:35	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.12.2021 23:35	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.12.2021 23:35	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.12.2021 23:35	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.12.2021 23:35	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.12.2021 23:35	U	1
Total BTEX		<0.001990	0.001990	mg/kg	01.12.2021 23:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.12.2021 23:35	
4-Bromofluorobenzene	460-00-4	118	%	70-130	01.12.2021 23:35	



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: **W.SW-4** Matrix: Soil Date Received: 01.12.2021 10:48
 Lab Sample Id: 684314-007 Date Collected: 01.07.2021 09:05 Sample Depth: 6 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 01.12.2021 16:00 % Moisture:
 Seq Number: 3147634 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	354	10.0	mg/kg	01.12.2021 17:10		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: CAC
 Analyst: CAC Date Prep: 01.12.2021 16:01 % Moisture:
 Seq Number: 3147663 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.12.2021 20:53	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.12.2021 20:53	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.12.2021 20:53	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	01.12.2021 20:53	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	114	%	70-135	01.12.2021 20:53		
o-Terphenyl	84-15-1	104	%	70-135	01.12.2021 20:53		



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: **W.SW-4**
Lab Sample Id: 684314-007

Matrix: Soil
Date Collected: 01.07.2021 09:05

Date Received: 01.12.2021 10:48
Sample Depth: 6 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 01.12.2021 16:00

% Moisture:
Basis: Wet Weight

Seq Number: 3147859

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.12.2021 23:58	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.12.2021 23:58	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.12.2021 23:58	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.12.2021 23:58	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.12.2021 23:58	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.12.2021 23:58	U	1
Total BTEX		<0.001980	0.001980	mg/kg	01.12.2021 23:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.12.2021 23:58	
4-Bromofluorobenzene	460-00-4	125	%	70-130	01.12.2021 23:58	



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: **W.SW-5** Matrix: Soil Date Received: 01.12.2021 10:48
 Lab Sample Id: 684314-008 Date Collected: 01.07.2021 09:10 Sample Depth: 6 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 01.12.2021 16:00 % Moisture:
 Seq Number: 3147634 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	505	10.0	mg/kg	01.12.2021 17:16		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: CAC
 Analyst: CAC Date Prep: 01.12.2021 16:01 % Moisture:
 Seq Number: 3147663 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.12.2021 21:13	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.12.2021 21:13	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.12.2021 21:13	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	01.12.2021 21:13	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	102	%	70-135	01.12.2021 21:13		
o-Terphenyl	84-15-1	102	%	70-135	01.12.2021 21:13		



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM

Smalls Fed #1H

Sample Id: **W.SW-5**
Lab Sample Id: 684314-008

Matrix: Soil
Date Collected: 01.07.2021 09:10

Date Received: 01.12.2021 10:48
Sample Depth: 6 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 01.12.2021 16:00

% Moisture:
Basis: Wet Weight

Seq Number: 3147859

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.13.2021 00:20	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.13.2021 00:20	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.13.2021 00:20	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.13.2021 00:20	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.13.2021 00:20	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.13.2021 00:20	U	1
Total BTEX		<0.002000	0.002000	mg/kg	01.13.2021 00:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	123	%	70-130	01.13.2021 00:20	
1,4-Difluorobenzene	540-36-3	108	%	70-130	01.13.2021 00:20	



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: **W.SW-6** Matrix: Soil Date Received: 01.12.2021 10:48
 Lab Sample Id: 684314-009 Date Collected: 01.07.2021 12:15 Sample Depth: 6 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 01.12.2021 16:00 % Moisture:
 Seq Number: 3147634 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	529	10.1	mg/kg	01.12.2021 17:22		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: CAC
 Analyst: CAC Date Prep: 01.12.2021 16:01 % Moisture:
 Seq Number: 3147663 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.12.2021 21:33	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.12.2021 21:33	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.12.2021 21:33	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	01.12.2021 21:33	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	111	%	70-135	01.12.2021 21:33		
o-Terphenyl	84-15-1	98	%	70-135	01.12.2021 21:33		



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: **W.SW-6**
Lab Sample Id: 684314-009

Matrix: Soil
Date Collected: 01.07.2021 12:15

Date Received: 01.12.2021 10:48
Sample Depth: 6 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 01.12.2021 16:00

% Moisture:
Basis: Wet Weight

Seq Number: 3147859

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.13.2021 00:43	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.13.2021 00:43	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.13.2021 00:43	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.13.2021 00:43	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.13.2021 00:43	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.13.2021 00:43	U	1
Total BTEX		<0.001980	0.001980	mg/kg	01.13.2021 00:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	119	%	70-130	01.13.2021 00:43	
1,4-Difluorobenzene	540-36-3	102	%	70-130	01.13.2021 00:43	



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: **W.SW-7** Matrix: Soil Date Received: 01.12.2021 10:48
 Lab Sample Id: 684314-010 Date Collected: 01.07.2021 12:20 Sample Depth: 6 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 01.12.2021 16:00 % Moisture:
 Seq Number: 3147634 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	474	9.98	mg/kg	01.12.2021 17:28		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: CAC
 Analyst: CAC Date Prep: 01.12.2021 16:01 % Moisture:
 Seq Number: 3147663 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.12.2021 21:53	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.12.2021 21:53	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.12.2021 21:53	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	01.12.2021 21:53	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	113	%	70-135	01.12.2021 21:53		
o-Terphenyl	84-15-1	122	%	70-135	01.12.2021 21:53		



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: **W.SW-7**
Lab Sample Id: 684314-010

Matrix: Soil
Date Collected: 01.07.2021 12:20

Date Received: 01.12.2021 10:48
Sample Depth: 6 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 01.12.2021 16:00

% Moisture:
Basis: Wet Weight

Seq Number: 3147859

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.13.2021 01:05	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.13.2021 01:05	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.13.2021 01:05	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.13.2021 01:05	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.13.2021 01:05	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.13.2021 01:05	U	1
Total BTEX		<0.002010	0.002010	mg/kg	01.13.2021 01:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.13.2021 01:05	
1,4-Difluorobenzene	540-36-3	106	%	70-130	01.13.2021 01:05	



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: **W.SW-9** Matrix: Soil Date Received: 01.12.2021 10:48
 Lab Sample Id: 684314-011 Date Collected: 01.07.2021 12:25 Sample Depth: 6 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 01.12.2021 16:00 % Moisture:
 Seq Number: 3147634 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	492	9.92	mg/kg	01.12.2021 17:34		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: CAC
 Analyst: CAC Date Prep: 01.12.2021 16:01 % Moisture:
 Seq Number: 3147663 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	01.12.2021 22:33	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	01.12.2021 22:33	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	01.12.2021 22:33	U	1
Total TPH	PHC635	<50.30	50.30	mg/kg	01.12.2021 22:33	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	105	%	70-135	01.12.2021 22:33		
o-Terphenyl	84-15-1	108	%	70-135	01.12.2021 22:33		



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: **W.SW-9**
Lab Sample Id: 684314-011

Matrix: Soil
Date Collected: 01.07.2021 12:25

Date Received: 01.12.2021 10:48
Sample Depth: 6 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 01.12.2021 16:00

% Moisture:
Basis: Wet Weight

Seq Number: 3147859

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.13.2021 02:25	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.13.2021 02:25	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.13.2021 02:25	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.13.2021 02:25	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.13.2021 02:25	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.13.2021 02:25	U	1
Total BTEX		<0.002020	0.002020	mg/kg	01.13.2021 02:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	01.13.2021 02:25	
4-Bromofluorobenzene	460-00-4	122	%	70-130	01.13.2021 02:25	



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: **W.SW-10** Matrix: Soil Date Received: 01.12.2021 10:48
 Lab Sample Id: 684314-012 Date Collected: 01.07.2021 12:30 Sample Depth: 6 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 01.12.2021 16:00 % Moisture:
 Seq Number: 3147634 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	459	9.90	mg/kg	01.12.2021 17:52		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: CAC
 Analyst: CAC Date Prep: 01.12.2021 16:01 % Moisture:
 Seq Number: 3147663 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.12.2021 22:52	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.12.2021 22:52	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.12.2021 22:52	U	1
Total TPH	PHC635	<49.80	49.80	mg/kg	01.12.2021 22:52	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	99	%	70-135	01.12.2021 22:52		
o-Terphenyl	84-15-1	114	%	70-135	01.12.2021 22:52		



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: **W.SW-10**
Lab Sample Id: 684314-012

Matrix: Soil
Date Collected: 01.07.2021 12:30

Date Received: 01.12.2021 10:48
Sample Depth: 6 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 01.12.2021 16:00

% Moisture:
Basis: Wet Weight

Seq Number: 3147859

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.13.2021 02:48	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.13.2021 02:48	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.13.2021 02:48	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.13.2021 02:48	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.13.2021 02:48	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.13.2021 02:48	U	1
Total BTEX		<0.002000	0.002000	mg/kg	01.13.2021 02:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.13.2021 02:48	
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.13.2021 02:48	



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: **W.SW-11** Matrix: Soil Date Received: 01.12.2021 10:48
 Lab Sample Id: 684314-013 Date Collected: 01.07.2021 13:05 Sample Depth: 6 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 01.12.2021 16:00 % Moisture:
 Seq Number: 3147634 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	539	9.96	mg/kg	01.12.2021 17:58		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: CAC
 Analyst: CAC Date Prep: 01.12.2021 16:01 % Moisture:
 Seq Number: 3147663 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.12.2021 23:12	U	1
Diesel Range Organics (DRO)	C10C28DRO	99.5	49.8	mg/kg	01.12.2021 23:12		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.12.2021 23:12	U	1
Total TPH	PHC635	99.50	49.80	mg/kg	01.12.2021 23:12		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	112	%	70-135	01.12.2021 23:12		
o-Terphenyl	84-15-1	109	%	70-135	01.12.2021 23:12		



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: **W.SW-11**
Lab Sample Id: 684314-013

Matrix: Soil
Date Collected: 01.07.2021 13:05

Date Received: 01.12.2021 10:48
Sample Depth: 6 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 01.12.2021 16:00

% Moisture:
Basis: Wet Weight

Seq Number: 3147859

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.13.2021 03:10	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.13.2021 03:10	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.13.2021 03:10	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.13.2021 03:10	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.13.2021 03:10	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.13.2021 03:10	U	1
Total BTEX		<0.001980	0.001980	mg/kg	01.13.2021 03:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	115	%	70-130	01.13.2021 03:10	
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.13.2021 03:10	



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: **W.SW-12** Matrix: Soil Date Received: 01.12.2021 10:48
 Lab Sample Id: 684314-014 Date Collected: 01.07.2021 14:20 Sample Depth: 6 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 01.12.2021 16:00 % Moisture:
 Seq Number: 3147634 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	439	9.98	mg/kg	01.12.2021 18:16		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: CAC
 Analyst: CAC Date Prep: 01.12.2021 16:01 % Moisture:
 Seq Number: 3147663 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<5.05	5.05	mg/kg	01.12.2021 23:32	U	1
Diesel Range Organics (DRO)	C10C28DRO	<5.05	5.05	mg/kg	01.12.2021 23:32	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<5.05	5.05	mg/kg	01.12.2021 23:32	U	1
Total TPH	PHC635	<5.050	5.050	mg/kg	01.12.2021 23:32	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	122	%	70-135	01.12.2021 23:32		
o-Terphenyl	84-15-1	103	%	70-135	01.12.2021 23:32		



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: **W.SW-12**
Lab Sample Id: 684314-014

Matrix: Soil
Date Collected: 01.07.2021 14:20

Date Received: 01.12.2021 10:48
Sample Depth: 6 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 01.12.2021 16:00

% Moisture:
Basis: Wet Weight

Seq Number: 3147859

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.13.2021 03:33	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.13.2021 03:33	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.13.2021 03:33	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.13.2021 03:33	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.13.2021 03:33	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.13.2021 03:33	U	1
Total BTEX		<0.002000	0.002000	mg/kg	01.13.2021 03:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	124	%	70-130	01.13.2021 03:33	
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.13.2021 03:33	



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: **W.SW-13** Matrix: Soil Date Received: 01.12.2021 10:48
 Lab Sample Id: 684314-015 Date Collected: 01.07.2021 14:25 Sample Depth: 6 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 01.12.2021 16:00 % Moisture:
 Seq Number: 3147634 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	378	9.98	mg/kg	01.12.2021 18:22		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: CAC
 Analyst: CAC Date Prep: 01.12.2021 16:01 % Moisture:
 Seq Number: 3147663 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.12.2021 23:52	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.12.2021 23:52	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.12.2021 23:52	U	1
Total TPH	PHC635	<50.20	50.20	mg/kg	01.12.2021 23:52	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	118	%	70-135	01.12.2021 23:52		
o-Terphenyl	84-15-1	106	%	70-135	01.12.2021 23:52		



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: **W.SW-13**
Lab Sample Id: 684314-015

Matrix: Soil
Date Collected: 01.07.2021 14:25

Date Received: 01.12.2021 10:48
Sample Depth: 6 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 01.12.2021 16:00

% Moisture:
Basis: Wet Weight

Seq Number: 3147859

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.13.2021 03:56	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.13.2021 03:56	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.13.2021 03:56	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.13.2021 03:56	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.13.2021 03:56	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.13.2021 03:56	U	1
Total BTEX		<0.001990	0.001990	mg/kg	01.13.2021 03:56	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.13.2021 03:56		
4-Bromofluorobenzene	460-00-4	126	%	70-130	01.13.2021 03:56		



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: **W.SW-14** Matrix: Soil Date Received: 01.12.2021 10:48
 Lab Sample Id: 684314-016 Date Collected: 01.07.2021 14:30 Sample Depth: 6 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 01.12.2021 16:00 % Moisture:
 Seq Number: 3147634 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	383	10.1	mg/kg	01.12.2021 18:28		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: CAC
 Analyst: CAC Date Prep: 01.12.2021 16:01 % Moisture:
 Seq Number: 3147663 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.13.2021 00:12	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.13.2021 00:12	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.13.2021 00:12	U	1
Total TPH	PHC635	<50.10	50.10	mg/kg	01.13.2021 00:12	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	133	%	70-135	01.13.2021 00:12		
o-Terphenyl	84-15-1	106	%	70-135	01.13.2021 00:12		



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: **W.SW-14**
Lab Sample Id: 684314-016

Matrix: Soil
Date Collected: 01.07.2021 14:30

Date Received: 01.12.2021 10:48
Sample Depth: 6 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 01.12.2021 16:00

% Moisture:
Basis: Wet Weight

Seq Number: 3147859

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.13.2021 04:18	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.13.2021 04:18	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.13.2021 04:18	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.13.2021 04:18	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.13.2021 04:18	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.13.2021 04:18	U	1
Total BTEX		<0.002000	0.002000	mg/kg	01.13.2021 04:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.13.2021 04:18	
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.13.2021 04:18	



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: **BG-1** Matrix: Soil Date Received: 01.12.2021 10:48
 Lab Sample Id: 684314-017 Date Collected: 01.07.2021 10:25 Sample Depth: 0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 01.12.2021 16:00 % Moisture:
 Seq Number: 3147634 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.90	9.90	mg/kg	01.12.2021 18:34	U	1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: CAC
 Analyst: CAC Date Prep: 01.12.2021 16:01 % Moisture:
 Seq Number: 3147663 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.13.2021 00:32	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.13.2021 00:32	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.13.2021 00:32	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	01.13.2021 00:32	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	113	%	70-135	01.13.2021 00:32		
o-Terphenyl	84-15-1	106	%	70-135	01.13.2021 00:32		



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: **BG-1**
Lab Sample Id: 684314-017

Matrix: Soil
Date Collected: 01.07.2021 10:25

Date Received: 01.12.2021 10:48
Sample Depth: 0 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 01.12.2021 16:00

% Moisture:
Basis: Wet Weight

Seq Number: 3147859

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.13.2021 04:41	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.13.2021 04:41	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.13.2021 04:41	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.13.2021 04:41	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.13.2021 04:41	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.13.2021 04:41	U	1
Total BTEX		<0.001990	0.001990	mg/kg	01.13.2021 04:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	120	%	70-130	01.13.2021 04:41	
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.13.2021 04:41	



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: **BG-2** Matrix: Soil Date Received: 01.12.2021 10:48
 Lab Sample Id: 684314-018 Date Collected: 01.07.2021 10:30 Sample Depth: 0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 01.12.2021 16:00 % Moisture:
 Seq Number: 3147634 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	11.6	9.92	mg/kg	01.12.2021 18:40		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: CAC
 Analyst: CAC Date Prep: 01.12.2021 16:01 % Moisture:
 Seq Number: 3147663 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.13.2021 00:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.13.2021 00:51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.13.2021 00:51	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	01.13.2021 00:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	122	%	70-135	01.13.2021 00:51	
o-Terphenyl	84-15-1	98	%	70-135	01.13.2021 00:51	



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: **BG-2**
Lab Sample Id: 684314-018

Matrix: Soil
Date Collected: 01.07.2021 10:30

Date Received: 01.12.2021 10:48
Sample Depth: 0 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 01.12.2021 16:00

% Moisture:
Basis: Wet Weight

Seq Number: 3147859

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.13.2021 05:03	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.13.2021 05:03	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.13.2021 05:03	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.13.2021 05:03	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.13.2021 05:03	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.13.2021 05:03	U	1
Total BTEX		<0.002000	0.002000	mg/kg	01.13.2021 05:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.13.2021 05:03	
4-Bromofluorobenzene	460-00-4	124	%	70-130	01.13.2021 05:03	



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: **BG-3** Matrix: Soil Date Received: 01.12.2021 10:48
 Lab Sample Id: 684314-019 Date Collected: 01.07.2021 10:35 Sample Depth: 0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 01.12.2021 16:00 % Moisture:
 Seq Number: 3147634 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.1	10.1	mg/kg	01.12.2021 18:46	U	1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: CAC
 Analyst: CAC Date Prep: 01.12.2021 16:01 % Moisture:
 Seq Number: 3147663 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.13.2021 01:11	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.13.2021 01:11	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.13.2021 01:11	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	01.13.2021 01:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	01.13.2021 01:11	
o-Terphenyl	84-15-1	104	%	70-135	01.13.2021 01:11	



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: **BG-3**
Lab Sample Id: 684314-019

Matrix: Soil
Date Collected: 01.07.2021 10:35

Date Received: 01.12.2021 10:48
Sample Depth: 0 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 01.12.2021 16:00

% Moisture:
Basis: Wet Weight

Seq Number: 3147859

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.13.2021 05:26	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.13.2021 05:26	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.13.2021 05:26	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.13.2021 05:26	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.13.2021 05:26	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.13.2021 05:26	U	1
Total BTEX		<0.001980	0.001980	mg/kg	01.13.2021 05:26	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	107	%	70-130	01.13.2021 05:26		
4-Bromofluorobenzene	460-00-4	128	%	70-130	01.13.2021 05:26		



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: **BG-4** Matrix: Soil Date Received: 01.12.2021 10:48
 Lab Sample Id: 684314-020 Date Collected: 01.07.2021 10:40 Sample Depth: 0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 01.12.2021 16:00 % Moisture:
 Seq Number: 3147634 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	13.0	9.94	mg/kg	01.12.2021 18:52		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: CAC
 Analyst: CAC Date Prep: 01.12.2021 16:01 % Moisture:
 Seq Number: 3147663 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.13.2021 01:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.13.2021 01:31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.13.2021 01:31	U	1
Total TPH	PHC635	<49.80	49.80	mg/kg	01.13.2021 01:31	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	121	%	70-135	01.13.2021 01:31		
o-Terphenyl	84-15-1	106	%	70-135	01.13.2021 01:31		



Certificate of Analytical Results 684314

Talon LPE-Artesia, Artesia, NM Smalls Fed #1H

Sample Id: **BG-4**
Lab Sample Id: 684314-020

Matrix: Soil
Date Collected: 01.07.2021 10:40

Date Received: 01.12.2021 10:48
Sample Depth: 0 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 01.12.2021 16:00

% Moisture:
Basis: Wet Weight

Seq Number: 3147859

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.13.2021 05:48	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.13.2021 05:48	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.13.2021 05:48	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.13.2021 05:48	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.13.2021 05:48	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.13.2021 05:48	U	1
Total BTEX		<0.002000	0.002000	mg/kg	01.13.2021 05:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	108	%	70-130	01.13.2021 05:48	
4-Bromofluorobenzene	460-00-4	122	%	70-130	01.13.2021 05:48	



Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

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

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

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

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

+ NELAC certification not offered for this compound.

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



Talon LPE-Artesia Smalls Fed #1H

Analytical Method: Chloride by EPA 300

Seq Number: 3147634

MB Sample Id: 7719042-1-BLK

Matrix: Solid

LCS Sample Id: 7719042-1-BKS

Prep Method: E300P

Date Prep: 01.12.2021

LCSD Sample Id: 7719042-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	253	101	256	102	90-110	1	20	mg/kg	01.12.2021 15:58	

Analytical Method: Chloride by EPA 300

Seq Number: 3147634

Parent Sample Id: 684314-001

Matrix: Soil

MS Sample Id: 684314-001 S

Prep Method: E300P

Date Prep: 01.12.2021

MSD Sample Id: 684314-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	348	199	561	107	561	107	90-110	0	20	mg/kg	01.12.2021 16:16	

Analytical Method: Chloride by EPA 300

Seq Number: 3147634

Parent Sample Id: 684314-011

Matrix: Soil

MS Sample Id: 684314-011 S

Prep Method: E300P

Date Prep: 01.12.2021

MSD Sample Id: 684314-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	492	198	683	96	686	98	90-110	0	20	mg/kg	01.12.2021 17:40	

Analytical Method: TPH by SW8015 Mod

Seq Number: 3147663

MB Sample Id: 7719037-1-BLK

Matrix: Solid

LCS Sample Id: 7719037-1-BKS

Prep Method: SW8015P

Date Prep: 01.12.2021

LCSD Sample Id: 7719037-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1090	109	1090	109	70-135	0	35	mg/kg	01.12.2021 17:33	
Diesel Range Organics (DRO)	<50.0	1000	1030	103	1030	103	70-135	0	35	mg/kg	01.12.2021 17:33	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	107		118		107		70-135	%	01.12.2021 17:33
o-Terphenyl	108		109		111		70-135	%	01.12.2021 17:33

Analytical Method: TPH by SW8015 Mod

Seq Number: 3147663

Matrix: Solid

MB Sample Id: 7719037-1-BLK

Prep Method: SW8015P

Date Prep: 01.12.2021

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.12.2021 17:13	

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

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

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

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



Talon LPE-Artesia Smalls Fed #1H

Analytical Method: TPH by SW8015 Mod

Seq Number: 3147663

Parent Sample Id: 684314-001

Matrix: Soil

MS Sample Id: 684314-001 S

Prep Method: SW8015P

Date Prep: 01.12.2021

MSD Sample Id: 684314-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.8	995	1150	116	1140	114	70-135	1	35	mg/kg	01.12.2021 18:34	
Diesel Range Organics (DRO)	<49.8	995	1100	111	1100	110	70-135	0	35	mg/kg	01.12.2021 18:34	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	108		129		70-135	%	01.12.2021 18:34
o-Terphenyl	104		101		70-135	%	01.12.2021 18:34

Analytical Method: BTEX by EPA 8021B

Seq Number: 3147859

MB Sample Id: 7719045-1-BLK

Matrix: Solid

LCS Sample Id: 7719045-1-BKS

Prep Method: SW5035A

Date Prep: 01.12.2021

LCSD Sample Id: 7719045-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.100	100	0.0994	99	70-130	1	35	mg/kg	01.12.2021 19:38	
Toluene	<0.00200	0.100	0.0923	92	0.0930	93	70-130	1	35	mg/kg	01.12.2021 19:38	
Ethylbenzene	<0.00200	0.100	0.0943	94	0.0974	97	71-129	3	35	mg/kg	01.12.2021 19:38	
m,p-Xylenes	<0.00400	0.200	0.197	99	0.202	101	70-135	3	35	mg/kg	01.12.2021 19:38	
o-Xylene	<0.00200	0.100	0.0974	97	0.100	100	71-133	3	35	mg/kg	01.12.2021 19:38	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104		108		102		70-130	%	01.12.2021 19:38
4-Bromofluorobenzene	115		110		113		70-130	%	01.12.2021 19:38

Analytical Method: BTEX by EPA 8021B

Seq Number: 3147859

Parent Sample Id: 684314-001

Matrix: Soil

MS Sample Id: 684314-001 S

Prep Method: SW5035A

Date Prep: 01.12.2021

MSD Sample Id: 684314-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.100	0.109	109	0.108	108	70-130	1	35	mg/kg	01.12.2021 20:23	
Toluene	<0.00201	0.100	0.102	102	0.102	102	70-130	0	35	mg/kg	01.12.2021 20:23	
Ethylbenzene	<0.00201	0.100	0.110	110	0.108	108	71-129	2	35	mg/kg	01.12.2021 20:23	
m,p-Xylenes	<0.00402	0.201	0.221	110	0.221	110	70-135	0	35	mg/kg	01.12.2021 20:23	
o-Xylene	<0.00201	0.100	0.112	112	0.107	107	71-133	5	35	mg/kg	01.12.2021 20:23	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		103		70-130	%	01.12.2021 20:23
4-Bromofluorobenzene	113		117		70-130	%	01.12.2021 20:23

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

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

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

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



Chain of Custody

Work Order No: 684314

Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334
 Midland, TX (432) 704-5440 EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296 Carlsbad, NM (432) 704-5440
 Phoenix, AZ (480) 355-0900 Atlanta, GA (770) 449-8800 Tampa, FL (813) 620-2000 West Palm Beach, FL (561) 689-6701

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Project Manager:	<u>D. ADKINS</u>	Bill to: (if different)	<u>CONCHO</u>
Company Name:	<u>TALON LPE</u>	Company Name:	<u>ATTN: SHELDON HITCHCOCK</u>
Address:	<u>408 W. TEXAS AVE</u>	Address:	
City, State ZIP:	<u>ARTESIA, NM 88210</u>	City, State ZIP:	
Phone:	<u>575-746-8768</u>	Email:	

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

Project Name:	<u>SMALLS FED #1H</u>	Turn Around	
Project Number:	<u>700778.123.02</u>	Routine	☒
Project Location:	<u>LEA COUNTY, NM</u>	Rush:	
Sampler's Name:	<u>M. COLLIER</u>	Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT		Temp Blank:	☒ Yes ☐ No	Wet Ice:	Yes ☐ No ☒
Temperature (°C):	<u>4.4 / 4.2</u>	Thermometer ID			
Received intact:	☒ Yes ☐ No	<u>1-NM-007</u>			
Cooler Custody Seals:	Yes ☐ No ☒ N/A	Correction Factor:	<u>-0.2</u>		
Sample Custody Seals:	Yes ☐ No ☒ N/A	Total Containers:	<u>20</u>		

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth
S-2		Soil	1-7-2020	8:30	6'
S-3				8:35	6'
S-7				8:40	6'
S-8				8:45	6'
S-9				8:50	6'
S-10				8:55	6'
W.SW-4				9:05	6'
W.SW-5				9:10	6'
W.SW-6				12:15	6'
W.SW-7				12:20	6'

ANALYSIS REQUEST															Preservative Codes				
Pres. Code															MeOH: Me				
Number of Containers	✓	BTEX	✓	TPH	✓	TOTAL CHLORIDES											None: NO		
																		HNO3: HN	
																			H2SO4: H2
																			HCL: HL
																			NaOH: Na
																	Zn Acetate+ NaOH: Zn		
																	TAT starts the day received by the lab, if received by 4:00pm		
																	Sample Comments		
																	SEND ANALYTICALS		
																	TO :		
																	SCHITZCOCK@CONCHO.COM		
																	ADKINS@TALONLPE.COM		
																	MCOLLIER@TALONLPE.COM		

Total 200.7 / 6010 200.8 / 6020:

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

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

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

1631 / 245.1 / 7470 / 7471 : Hg

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<u>[Signature]</u>	<u>[Signature]</u>	<u>1-12-20 1048</u>			

Revised Date 022619 Rev. 2019.1



Chain of Custody

Work Order No: 1084314

Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334
 Midland, TX (432) 704-5440 EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296 Crasabad, NM (432) 704-5440
 Phoenix, AZ (480) 355-0900 Atlanta, GA (770) 449-8800 Tampa, FL (813) 620-2000 West Palm Beach, FL (561) 689-6701

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Page 2 of 2

Project Manager:	<u>D. ADKINS</u>	Bill to: (if different)	<u>CONCHO</u>
Company Name:	<u>TALON LPE</u>	Company Name:	<u>ATTN: SHELDON HITCHCOCK</u>
Address:	<u>408 W. TEXAS AVE</u>	Address:	
City, State ZIP:	<u>ARTESIA, NM 88210</u>	City, State ZIP:	
Phone:	<u>575-746-8768</u>	Email:	

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

Project Name:	<u>SMALLS FED #1H</u>	Turn Around	
Project Number:	<u>700778.123.02</u>	Routine ☒	
Project Location:	<u>CEA COUNTY, NM</u>	Rush:	
Sampler's Name:	<u>M. COLLIER</u>	Due Date:	
PO #:		Quote #:	

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

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth
	<u>W. SW-9</u>	<u>SOIL</u>	<u>1-7-2020</u>	<u>12:25</u>	<u>6'</u>
	<u>W. SW-10</u>			<u>12:30</u>	<u>6'</u>
	<u>W. SW-11</u>			<u>1:05</u>	<u>6'</u>
	<u>W. SW-12</u>			<u>2:20</u>	<u>6'</u>
	<u>W. SW-13</u>			<u>2:25</u>	<u>6'</u>
	<u>W. SW-14</u>			<u>2:30</u>	<u>6'</u>
	<u>BG-1</u>			<u>10:25</u>	<u>0'</u>
	<u>BG-2</u>			<u>10:30</u>	<u>0'</u>
	<u>BG-3</u>			<u>10:35</u>	<u>0'</u>
	<u>BG-4</u>			<u>10:40</u>	<u>0'</u>

ANALYSIS REQUEST															Preservative Codes	
																MeOH: Me
																None: NO
																HNO3: HN
																H2SO4: H2
																HCL: HL
																NaOH: Na
																Zn Acetate+ NaOH: Zn
																TAT starts the day received by the lab, if received by 4:00pm
																Sample Comments
																SEND ANALYTICALS
																To:
																SCHITZCOCK@CONCHO.COM
																ADKINS@TALONLPE.COM
																MCOLLIER@TALONLPE.COM

Total 200.7 / 6010 200.8 / 6020:

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

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

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

1631 / 245.1 / 7470 / 7471 : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<u>M. Collier</u>	<u>Cre Cuff</u>	<u>1-12-21 1048</u>			

Revised Date 022619 Rev. 2019.1

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Talon LPE-Artesia

Date/ Time Received: 01.12.2021 10.48.00 AM

Work Order #: 684314

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : t_nm_007

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	4.2
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	Yes
#5 Custody Seals intact on sample bottles?	Yes
#6 *Custody Seals Signed and dated?	Yes
#7 *Chain of Custody present?	Yes
#8 Any missing/extra samples?	No
#9 Chain of Custody signed when relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/matrix?	Yes
#11 Container label(s) legible and intact?	Yes
#12 Samples in proper container/ bottle?	Yes
#13 Samples properly preserved?	Yes
#14 Sample container(s) intact?	Yes
#15 Sufficient sample amount for indicated test(s)?	Yes
#16 All samples received within hold time?	Yes
#17 Subcontract of sample(s)?	No
#18 Water VOC samples have zero headspace?	N/A

Samples received in bulk containers.

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

Analyst:

PH Device/Lot#:

Checklist completed by:



Cloe Clifton

Date: 01.12.2021

Checklist reviewed by:



Jessica Kramer

Date: 01.14.2021



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

January 03, 2023

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: SMALLS FEDERAL 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/30/22 14:47.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 12/30/2022
 Reported: 01/03/2023
 Project Name: SMALLS FEDERAL 1H
 Project Number: 17255
 Project Location: COP - RURAL LEA

Sampling Date: 12/30/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: EH - 2 (H226115-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/03/2023	ND	400	100	400	3.92	

Sample ID: EH - 3 (H226115-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/03/2023	ND	432	108	400	0.00	

Sample ID: EH - 4 (H226115-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/03/2023	ND	432	108	400	0.00	

Sample ID: EH - 5 (H226115-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/03/2023	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 12/30/2022
 Reported: 01/03/2023
 Project Name: SMALLS FEDERAL 1H
 Project Number: 17255
 Project Location: COP - RURAL LEA

Sampling Date: 12/30/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: EH - 10 (H226115-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/03/2023	ND	432	108	400	0.00	

Sample ID: EH - 11 (H226115-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/03/2023	ND	432	108	400	0.00	

Sample ID: EH - 12 (H226115-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/03/2023	ND	432	108	400	0.00	

Sample ID: EH - 13 (H226115-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/03/2023	ND	432	108	400	0.00	

Sample ID: EH - 9 (H226115-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/03/2023	ND	432	108	400	0.00	

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*=Accredited Analyte

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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

Cardinal Laboratories

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																															
Project Manager: Joel Lowry				P.O. #:				Chloride TPH (8015M) BTEX (8021B)																															
Address: 2617 W Marland				Company: COP																																			
City: Hobbs State: NM Zip: 88240				Attn: Jacqui Harris																																			
Phone #: (575) 264-9884 Fax #:				Address:																																			
Project #: 17255 Project Owner: COP				City:																																			
Project Name: Small's Federal 111				State: Zip:																																			
Project Location: Rural Lee				Phone #:																																			
Sampler Name: Duane Reym				Fax #:																																			
FOR LAB USE ONLY																																							
Lab I.D.		Sample I.D.		(G/RAB OR (COMP. # CONTAINERS		MATRIX														PRESERV.		SAMPLING																	
						GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:														ACID/BASE: ICE / COOL OTHER:				DATE		TIME													
1		EH-2		G		X																		12/30/20		1235													
2		EH-3		G										1230																									
3		EH-4		G										1225																									
4		EH-5		G										1220																									
5		EH-10		G										1215																									
6		EH-11		G										1210																									
7		EH-12		G										1205																									
8		EH-13		G										1200																									
9		EH-9		G										1240																									

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Duane Reym	Date: 12/30/20	Received By: [Signature]	Phone Result: ☐ Yes ☐ No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: ☐ Yes ☐ No	Add'l Fax #:
Time:			REMARKS:	

Delivered By: (Circle One) 19.30 C-D-02
 Sampler - UPS - Bus - Other: 19.32 #113

Sample Condition
 Cool Intact
☒ Yes ☐ No ☐ Yes ☐ No

CHECKED BY: (Initials) [Signature]

Please email results and copy of CoC to pm@etechenv.com.

Appendix D

Photographic Log

COG SMALLS FEDERAL 1H

Excavation Activities, Facing South



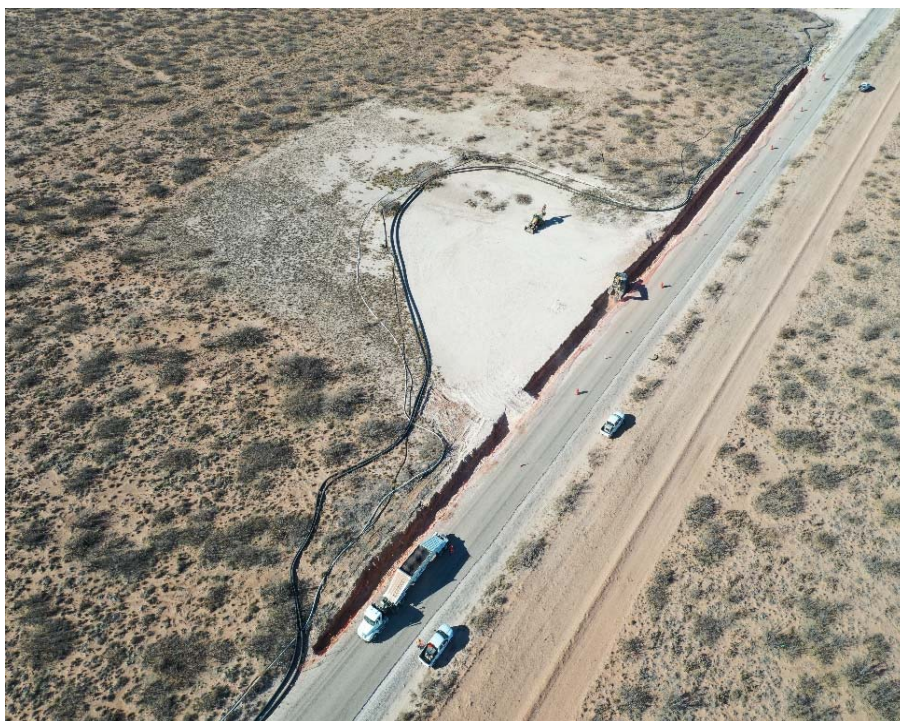
COG SMALLS FEDERAL 1H



Aerial Overviews of Work Area, Facing North



COG SMALLS FEDERAL 1H



Final Excavation Depth, Facing South



COG SMALLS FEDERAL 1H

Backfilled Excavation



Appendix E

Regulatory Correspondence

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>

Sent: Wednesday, July 7, 2021 11:32 AM

To: besparza@concho.com

Subject: [External] The Oil Conservation Division (OCD) has rejected the application, Application ID: 22350

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

**** External email. Use caution. ****

To whom it may concern (c/o Brittany Esparza for COG OPERATING LLC),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nDHR1917938878, for the following reasons:

- **The Closure Report is denied. Sample points E.SW-2, E.SW-3, E.SW-4, E.SW-5, E.SW-9, E.SW-10, E.SW-11, E.SW-12, and E.SW-13 are over the limit of 600 mg/kg for chlorides. The sample points will need to be deferred until maintenance is conducted on the county maintained/paved roadway. At that point, full delineation/excavation will need to take place and contaminants removed. A deferral request will need to be submitted and approved by the OCD for this release. Also, a problem occurred on your end with a signature, which would not allow the OCD to sign/date the closure page. Please make sure these issues are addressed before submission of the report or it will be an automatic denial.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 22350.

Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,
Robert Hamlet
575-748-1283
Robert.Hamlet@state.nm.us

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 181313

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 181313
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Deferral Request is Approved. ConocoPhillips's deferral requests to complete final remediation once maintenance is conducted on the county-maintained roadway. ConocoPhillips and eTECH do not believe deferment will result in imminent risk to human health, the environment, or groundwater. The areas requested for deferral are E.SW-2 through E.SW-5 and E.SW-9 through E.SW-13. The areas have been delineated and documented in the report. At this time, OCD approves this request. The Deferral Request and C-141 will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue. This is a state site and will require like approval from the SLO.	5/31/2023