

Incident ID	nAPP2228953679
District RP	
Facility ID	
Application ID	

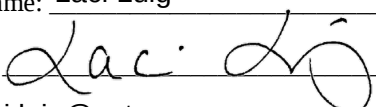
Closure

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

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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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

Printed Name: Laci Luig Title: ESH Specialist
Signature:  Date: 5/15/2023
email: laci.luig@coterra.com Telephone: 432-208-3035

OCD Only

Received by: Jocelyn Harimon Date: 05/15/2023

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

Closure Approved by: Robert Hamlet Date: 10/10/2023
Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

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Closure Report

Benson 3 Federal Com # 8
Eddy County, New Mexico
API ID # 30-015-37964
Incident # NAPP2228953679

Prepared For:

Cimarex Energy Co. of Colorado
600 N. Marienfeld Street, Ste. 600
Midland, Texas 79701

Prepared By:

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

April 21, 2023

**NMOCD**

506 W. Texas Ave
Artesia, NM 88210

BLM

620 E. Greene St.
Carlsbad, NM 88220

Subject: **Closure Report**
Benson 3 Federal Com # 8
Eddy County, New Mexico
API ID # 30-015-37964
Incident # NAPP2228953679

To Whom It May Concern,

Cimarex Energy Co. of Colorado contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The incident description, soil sampling results, remedial actions and closure request are presented herein.

Site Information

The Benson 3 Federal Com # 8 is located approximately 28 miles east of Artesia, New Mexico. The legal location for this release is Unit Letter A, Section 03, Township 19 South and Range 30 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.69563 and -103.95299. A Site Location Map is presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is comprised of Simona-Bippus complex with, 0 to 5 percent slopes. The referenced soil data is presented in [Appendix II](#). Per the New Mexico Bureau of Geology and Mineral Resources, the local geology consists of the Older alluvial deposits of upland plains and piedmont areas, and calcic soils and eolian cover sediments of High Plains region.

Groundwater and Site Characterization

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater is 1 miles from the site and is recorded at 92 feet below ground surface (bgs). Further research of the Bureau of Land Management Karst data indicates that this site is situated outside a potential Karst area. The FEMA data base locates the site in a minimal flood hazard zone.

Approximate Depth to Groundwater	92 feet bgs
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- ☐ Yes ☒ No Within 300 feet of any continuously flowing watercourse or any other significant watercourse
- ☐ Yes ☒ No Within 200 feet of any lakebed, sinkhole or a playa lake
- ☐ Yes ☒ No Within 300 feet from an occupied permanent residence, school, hospital, institution or church
- ☐ Yes ☒ No Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes
- ☐ Yes ☒ No Within 1000 feet of any freshwater well or spring
- ☐ Yes ☒ No Within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978
- ☐ Yes ☒ No Within 300 feet of a wetland
- ☐ Yes ☒ No Within the area overlying a subsurface mine
- ☒ Yes ☐ No Within an unstable area
- ☐ Yes ☒ No Within a 100-year floodplain

With no depth to water source available that meets New Mexico Oil Conservation Division's (NMOCD) criteria within ½ mile of the site, the responsible party must therefore adhere to the cleanup criteria for this site of groundwater less than 50 feet bgs, Table I, NMOCD Rule 19.15.29 NMAC.

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

Incident Description

On October 15, 2022, a hole developed in the pup joint of pipe below the pumping tee. Approximately 14 barrels (bbls) of produced water and 4 (bbls) of crude oil were released on the pad location with ten (10) bbls of fluids recovered. The initial C-141 was submitted to the NMOCD, can be reviewed under incident number NAPP2228953679. The site location map is presented in [Appendix I](#).

Site Assessment Activities

On November 8, 2022, upon client authorization, Talon mobilized personnel to the site to conduct an initial site assessment. The impacted area was photographed, soil samples were collected utilizing a hand auger, and the area was mapped. All soil samples were properly packaged in laboratory provided glassware, preserved on ice in the custody of Talon personnel, and transported to Eurofins Analytical Laboratory for analysis of Total Chlorides (EPA Method 300.0), Total Petroleum Hydrocarbons (TPH via EPA Method 8015M), and Volatile Organics (BTEX, EPA Method 8021B). Sample locations are shown on the attached Figure 1 in [Appendix I](#), and the results of our sampling event are presented below in Table 1.

Table 1
Site Assessment Analytical Data

Sample ID	Sample Date	Depth (BGS)	Benzene mg/kg	BTEX mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			10 mg/kg	50 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S-1	11/8/2022	1'	ND	ND	ND	ND	ND	0	2670
	11/8/2022	4'	ND	ND	ND	ND	ND	0	592
S-2	11/8/2022	0'	ND	ND	ND	ND	ND	0	6720
	11/8/2022	2'	ND	ND	ND	ND	ND	0	482
	11/8/2022	4'	ND	ND	ND	ND	ND	0	433
S-3	11/8/2022	1'	ND	ND	15.8	50.2	ND	66	4720
	11/8/2022	4'	ND	ND	ND	ND	ND	0	1890
S-4	11/8/2022	0'	ND	ND	ND	173	ND	173	2550
	11/8/2022	2'	ND	ND	ND	ND	ND	0	1110
	11/8/2022	4'	ND	ND	ND	ND	ND	0	322

NOTES:

BGS Below ground surface
mg/kg milligrams per kilogram
ND Analyte Not Detected

Highlighted cells indicate exceedance of NMOCD Table 1 Closure Criteria

Remediation Activities

On February 20, 2023, Talon personnel were onsite to begin remediation activities. Hydro-vac activities were initially performed to identify line locations in the excavated area for safety purposes. Excavation of the impacted soil began on February 22, 2023. Additional hydro-vac activities were conducted on February 24, 2023 in the area of the well head that was inaccessible to mechanical digging due to safety concerns. The impacted area on the pad location was excavated to five (5) to seven (7) feet bgs and presented in Figure 2, Site Excavation Map.

On March 7, 2023, composite samples were collected for laboratory analysis from the bottom portions and sidewalls of the excavation. The samples were transported to Eurofins Laboratories Inc., for analysis of Total Chlorides (EPA Method 300.0), Total Petroleum Hydrocarbons (TPH, EPA Method 8015B NM) and Volatile Organics (BTEX, EPA Method 8021B).

On March 16, 2023, Talon returned to expand the excavated areas that exceeded the Table 1 standards. The samples were transported to Eurofins Laboratories Inc., for analysis of Total Chlorides (EPA Method 300.0), Total Petroleum Hydrocarbons (TPH, EPA Method 8015B NM) and Volatile Organics (BTEX, EPA Method 8021B).

On March 22, 2023, Talon deepened the excavation areas of C-6, C-7, and C-19 and collected representative samples for laboratory analysis. The samples were transported with the chain of custody to Cardinal Laboratories, for analysis of Total Chlorides (SM4500Cl-B), Total Petroleum Hydrocarbons (TPH, EPA Method 8015M) and Volatile Organics (BTEX, EPA Method 8021B).

The soil sample results from the laboratory analytical are summarized below. Sample locations are illustrated on Figure 2 ([Appendix I](#)) and complete laboratory analytical reports are presented in [Appendix V](#).

Table 2
Site Closure Analytical Data

Sample ID	Sample Date	Depth (BGS)	Benzene mg/kg	BTEX mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			10 mg/kg	50 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
C-1	3/7/2023	7'	ND	ND	25.1	18.4	ND	43.5	252
C-2	3/7/2023	7'	ND	ND	44.5	16.8	ND	61.3	186
C-3	3/7/2023	7'	ND	ND	25.1	19.3	ND	44.4	982
	3/16/2023	8'	ND	ND	23.5	ND	ND	23.5	151
C-4	3/7/2023	7'	ND	ND	35.4	21.6	ND	57	862

Sample ID	Sample Date	Depth (BGS)	Benzene mg/kg	BTEX mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			10 mg/kg	50 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
	3/16/2023	8'	ND	ND	28.4	ND	ND	28.4	93.5
C-5	3/7/2023	7'	ND	ND	36.7	25.2	ND	61.9	1580
	3/16/2023	8'	ND	ND	42	ND	ND	42	110
C-6	3/7/2023	7'	ND	ND	29.6	24	ND	53.6	1540
	3/16/2023	8'	ND	ND	28.5	ND	ND	28.5	1240
	3/22/2023	9'	ND	ND	ND	ND	ND	-	80
C-7	3/7/2023	7'	ND	ND	40.8	22.7	ND	63.5	803
	3/16/2023	8'	ND	ND	27.7	ND	ND	27.7	1940
	3/22/2023	9'	ND	ND	ND	ND	ND	-	208
C-8	3/7/2023	7'	ND	ND	24.4	25.9	ND	50.3	1120
	3/16/2023	8'	ND	ND	47	ND	ND	47	162
C-9	3/7/2023	7'	ND	ND	25.1	22.2	ND	47.3	795
	3/16/2023	8'	ND	ND	26.7	ND	ND	26.7	215
C-10	3/7/2023	7'	ND	ND	32.3	21.5	ND	53.8	387
C-11	3/7/2023	7'	ND	ND	37.7	21.8	ND	59.5	359
C-12	3/7/2023	7'	ND	ND	36.7	22.3	ND	59	663
C-13	3/7/2023	7'	ND	ND	38.4	24.9	ND	63.3	1030
	3/16/2023	8'	ND	ND	27	ND	ND	27	123
C-14	3/7/2023	7'	ND	ND	33.9	20.9	ND	54.8	1460
	3/16/2023	8'	ND	ND	ND	98.7	ND	98.7	86.3
C-15	3/7/2023	5'	ND	ND	57.5	40.5	ND	98	360
C-16	3/7/2023	5'	ND	ND	30	22.2	ND	52.2	550
C-17	3/7/2023	5'	ND	ND	38.1	27.5	ND	65.6	553
C-18	3/7/2023	5'	ND	ND	34	23.3	ND	57.3	1610
	3/16/2023	6'	ND	ND	33.6	ND	ND	33.6	88
C-19	3/7/2023	5'	ND	ND	38.5	24.6	ND	63.1	657
	3/16/2023	6'	ND	ND	21.2	ND	ND	21.2	756
	3/22/2023	7'	ND	ND	ND	ND	ND	-	208
C-20	3/7/2023	5'	ND	ND	37.7	24.4	ND	62.1	1910
	3/16/2023	6'	ND	ND	ND	ND	ND	-	594
C-21	3/7/2023	5'	ND	ND	39	262	50.7	351.7	450
	3/16/2023	6'	ND	ND	17.9	ND	ND	17.9	453
SW-1	3/7/2023	3'	ND	ND	29.9	19.7	ND	49.6	477
SW-2	3/7/2023	3'	ND	ND	ND	ND	ND	-	1200
	3/16/2023	3'	ND	ND	20.6	ND	ND	20.6	95.5
SW-3	3/7/2023	3'	ND	ND	28.7	16.7	ND	45.4	639
	3/16/2023	3'	ND	ND	ND	ND	ND	-	90

Sample ID	Sample Date	Depth (BGS)	Benzene mg/kg	BTEX mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			10 mg/kg	50 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
SW-4	3/7/2023	3'	ND	ND	31	21.9	ND	52.9	882
	3/16/2023	3'	ND	ND	17	ND	ND	17	90.2
SW-5	3/7/2023	3'	ND	ND	27.9	19.8	ND	47.7	471
SW-6	3/7/2023	3'	ND	ND	27.4	22.7	ND	50.1	781
	3/16/2023	3'	ND	ND	23.2	ND	ND	23.2	89.4
SW-7	3/7/2023	3'	ND	ND	39.8	17.7	ND	57.5	721
	3/16/2023	3'	ND	ND	23.9	ND	ND	23.9	108
SW-8	3/7/2023	3'	ND	ND	31.9	22.4	ND	54.3	533
SW-9	3/7/2023	3'	ND	ND	30.5	44.9	ND	75.4	398
SW-10	3/7/2023	3'	ND	ND	18.1	31.8	ND	49.9	358

NOTES:

BGS Below ground surface
mg/kg Milligrams per kilogram
C Confirmation Sample
SW Sidewall Sample
ND Analyte Not Detected

Highlighted cells indicate exceedance of NMOCD Table 1 Closure Criteria

Remedial Action Summary

- The impacted areas on location were excavated to depths of five (5) to eight (8) feet bgs. Talon field titrated soil samples for total chlorides to guide the vertical and horizontal extents of the excavation process.
- Pursuant to NMOCD guidance, confirmation soil samples were collected at 200 square foot intervals and analyzed for TPH, BTEX and Total Chlorides to insure all other areas outside of deferment had reached NMOCD closure criteria.
- The excavated areas on the well pad were backfilled with new caliche, machine compacted and contoured to match the surrounding location.
- Approximately 2,235 cubic yards of excavated material was transported to Lea Land Disposal, a NMOCD approved solid waste disposal facility.
- Photographic documentation is provided in [Appendix IV](#).
- Copies of the Final C-141s are presented in [Appendix III](#).

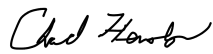
Closure

Based upon the completed remedial actions and confirmation sampling results, on behalf of Cimarex Energy, we respectfully request that no further actions be required and the incident closed.

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

Respectfully submitted,

Talon/LPE



Chad Hensley
Project Manager

Attachments:

- Appendix I Site Maps
- Appendix II Groundwater Data, Soil Survey, FEMA Flood Map
- Appendix III C-141 Forms, NMOCD Correspondence
- Appendix IV Photographic Documentation
- Appendix V Laboratory Analytical Reports



Appendix I

Site Maps



Drafted: 4/4/2023
1 in = 100 ft
Drafted By: IJR

Cimarex Energy Co.
Benson 3 Federal Com 8
nAPP2228953679
Eddy County, NM
Figure 1 - Site Assessment Map



Drafted: 4/4/2023
1 in = 100 ft
Drafted By: IJR

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nAPP2228953679
Eddy County, NM
Figure 2 - Excavation Depth Map



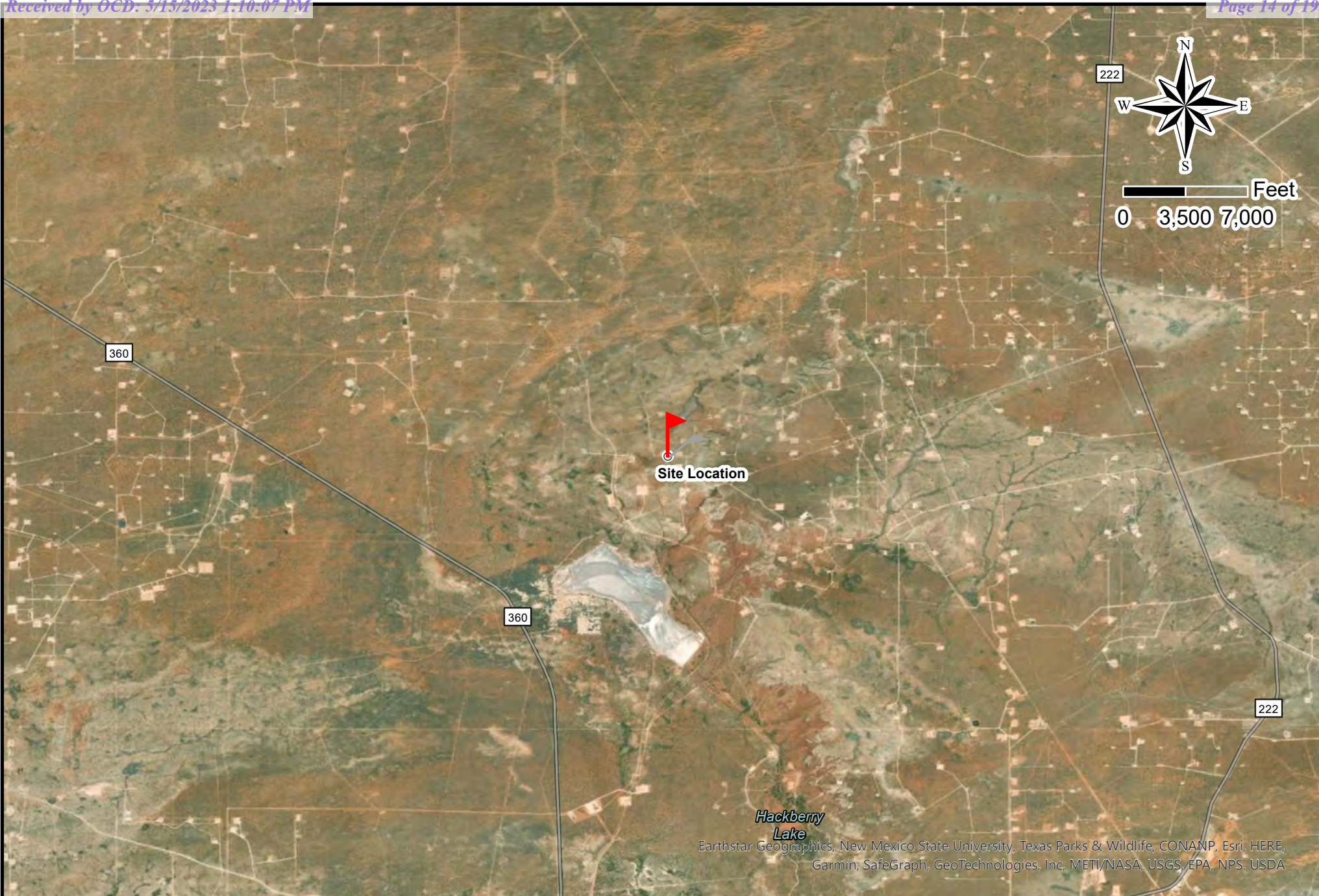
Drafted: 4/4/2023

1 in = 50 ft

Drafted By: IJR

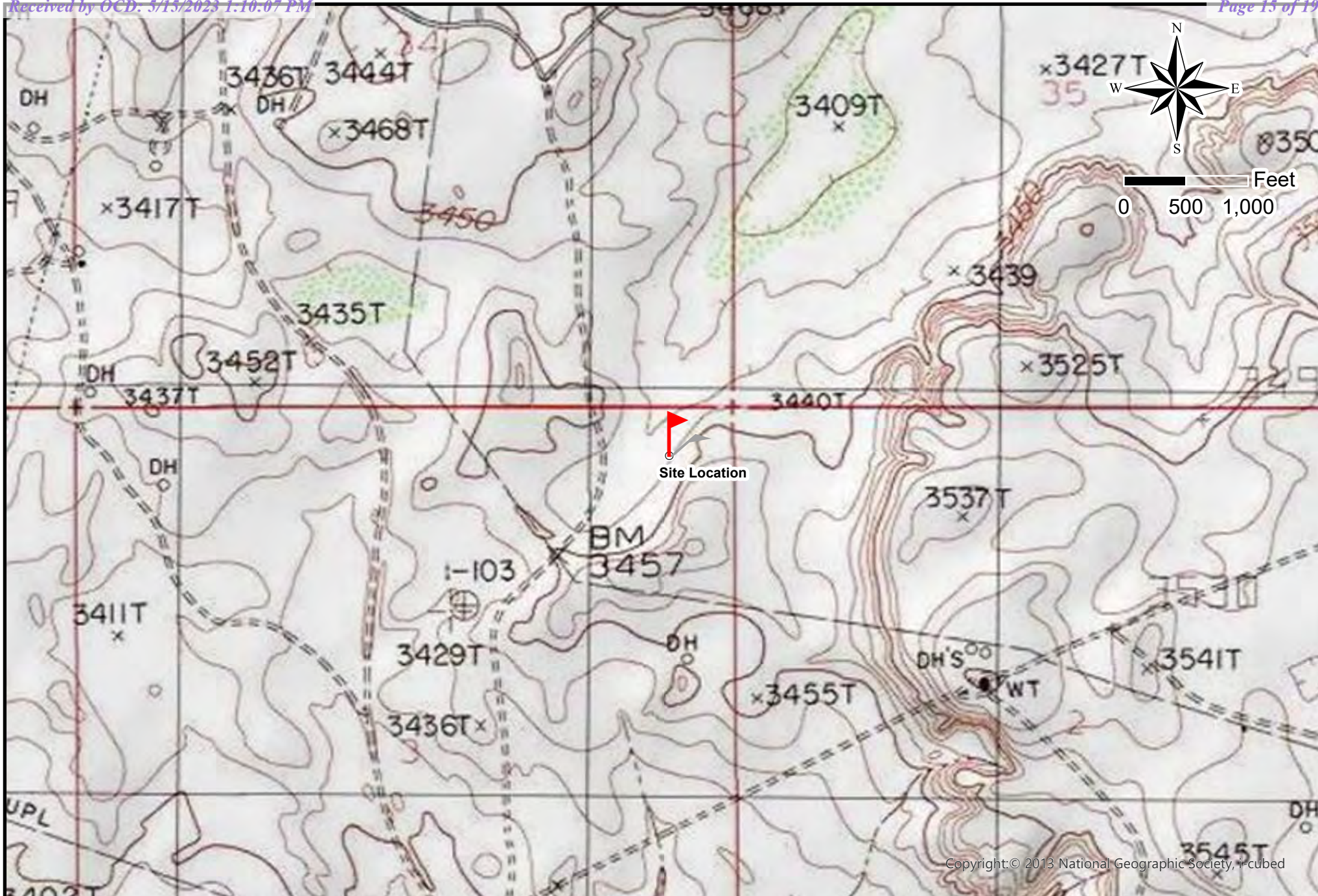
Cimarex Energy Co.
Benson 3 Federal Com 8
nAPP2228953679
Eddy County, NM

Figure 3 - Sample Confirmation Map



Drafted: 4/4/2023
1 in = 7,000 ft
Drafted By: IJR

Cimarex Energy Co.
Benson 3 Federal Com 8
nAPP2228953679
Eddy County, NM
Figure 4 - Site Location Map



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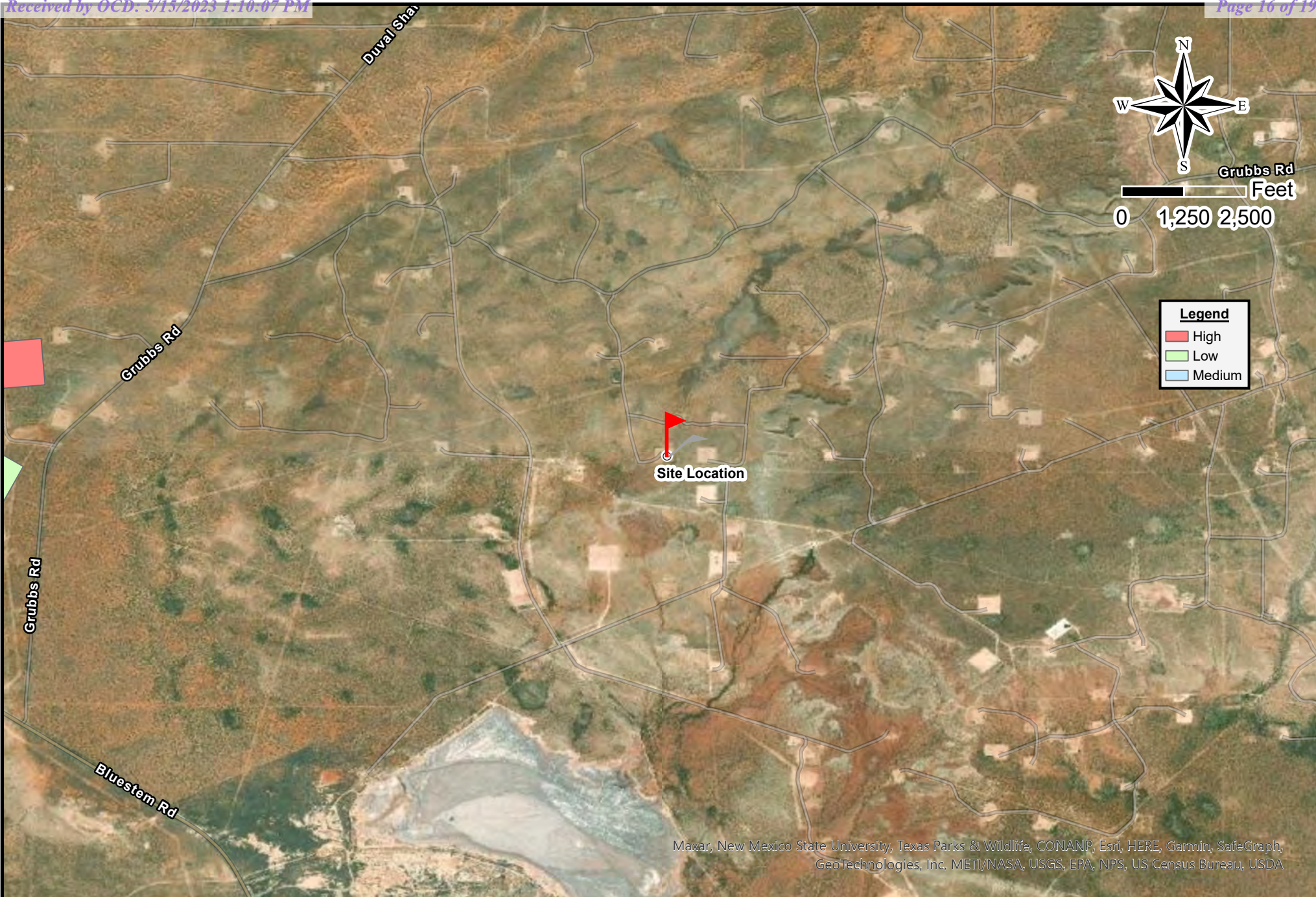


Drafted: 4/4/2023

1 in = 1,000 ft

Drafted By: IJR

Cimarex Energy Co.
 Benson 3 Federal Com 8
 nAPP2228953679
 Eddy County, NM
 Figure 5 - Topographic Map



Drafted: 4/4/2023
1 in = 2,500 ft
Drafted By: IJR

Cimarex Energy Co.
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Eddy County, NM
Figure 6 - Karst Map



Appendix II

Groundwater Data

Soil Survey

FEMA Flood Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth	Well Depth	Water Column
CP 00767 POD1		CP	ED	3	2	35	18S	30E		599300	3619158*	1613		500	
CP 00818 POD1		CP	LE	1	4	26	18S	30E		599289	3620364*	2596		240	
CP 00853 POD1	O	CP	ED	2	4	28	18S	30E		596472	3620340*	2845		350	
CP 00819 POD1		CP	LE	2	4	32	18S	30E		594878	3618720*	3333		150	
CP 00647 POD1	O	CP	ED	4	2	2	15	19S	30E	598235	3614621*	3415		200	92 108
CP 00822 POD1		CP	LE	4	4	15	19S	30E		598148	3613516*	4519		90	

Average Depth to Water: **92 feet**

Minimum Depth: **92 feet**

Maximum Depth: **92 feet**

Record Count: 6

UTMNAD83 Radius Search (in meters):

Easting (X): 598140.63

Northing (Y): 3618035.49

Radius: 5000

*UTM location was derived from PLSS - see Help

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

11/3/22 8:44 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	Tw	Rng	X	Y
	CP 00647 POD1	4	2	2	15	19S	30E	598235	3614621*
Driller License:	406	Driller Company:	TIDWELL, CLYDE J.						
Driller Name:	CLYDE J. TIDWELL								
Drill Start Date:	02/08/1982	Drill Finish Date:	02/18/1982		Plug Date:				
Log File Date:	02/22/1982	PCW Rev Date:			Source:	Shallow			
Pump Type:		Pipe Discharge Size:			Estimated Yield:				
Casing Size:		Depth Well:	200 feet		Depth Water:	92 feet			
Water Bearing Stratifications:		Top	Bottom	Description					
		115	140	Other/Unknown					
Casing Perforations:		Top	Bottom						
		115	140						

*UTM location was derived from PLSS - see Help

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

11/3/22 8:45 AM

POINT OF DIVERSION SUMMARY



United States
Department of
Agriculture

NRCS

Natural
Resources
Conservation
Service

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

Custom Soil Resource Report for Eddy Area, New Mexico



November 3, 2022

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report Soil Map



Custom Soil Resource Report

Eddy Area, New Mexico**SM—Simona-Bippus complex, 0 to 5 percent slopes****Map Unit Setting**

National map unit symbol: 1w5x
Elevation: 1,800 to 5,000 feet
Mean annual precipitation: 8 to 24 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 180 to 230 days
Farmland classification: Not prime farmland

Map Unit Composition

Simona and similar soils: 55 percent
Bippus and similar soils: 30 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Simona**Setting**

Landform: Plains, alluvial fans
Landform position (three-dimensional): Rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 19 inches: gravelly fine sandy loam
H2 - 19 to 23 inches: indurated

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 7 to 20 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 2.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: D
Ecological site: R070BD002NM - Shallow Sandy
Hydric soil rating: No

Custom Soil Resource Report

Description of Bippus**Setting**

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

Typical profile

H1 - 0 to 37 inches: silty clay loam
H2 - 37 to 60 inches: clay loam

Properties and qualities

Slope: 0 to 5 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: OccasionalNone
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 8.7 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: B
Ecological site: R070BC017NM - Bottomland
Hydric soil rating: No

Minor Components**Simona**

Percent of map unit: 8 percent
Ecological site: R070BD002NM - Shallow Sandy
Hydric soil rating: No

Bippus

Percent of map unit: 7 percent
Ecological site: R070BC017NM - Bottomland
Hydric soil rating: No

National Flood Hazard Layer FIRMette



103°57'30"W 32°42'N



Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **11/3/2022 at 10:49 AM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

Released to Imaging: 10/10/2023 10:03:18 AM

1:6,000

103°56'52"W 32°41'29"N

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



Appendix III

C-141 Forms

NMOCD Correspondence

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAPP2228953679
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Cimarex Energy Co. of Colorado	OGRID: 162683
Contact Name: Laci Luig	Contact Telephone: (432) 571-7800
Contact email: laci.luig@coterra.com	Incident # (assigned by OCD) nAPP2228953679
Contact mailing address: 600 N Marienfeld Street, Ste. 600 Midland, TX 79701	

Location of Release Source

Latitude 32.69563 _____ Longitude -103.95299 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Benson 3 Federal Com 8	Site Type: Well Pad
Date Release Discovered: 10/15/2022	API# (if applicable) 30-015-37964

Unit Letter	Section	Township	Range	County
A	3	19S	30E	Eddy

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

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls) 4	Volume Recovered (bbls) 0
☒ Produced Water	Volume Released (bbls) 14	Volume Recovered (bbls) 10
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Equipment Failure

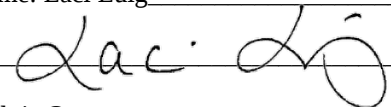
A hole developed in the pup joint of pipe below the pumping tee. Total fluid released 14 bbls produced water as well as 4 bbls of crude oil, all fluids remained on well pad. A vacuum truck was able to recover 10 barrels of fluid and a hydrovac truck was dispatched to recover the impacted soils. An environmental company will remediate impacted soils.

Incident ID	nAPP2228953679
District RP	
Facility ID	
Application ID	

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

Initial Response

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

☒ The source of the release has been stopped. ☒ The impacted area has been secured to protect human health and the environment. ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. ☒ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: Laci Luig	Title: ESH Specialist
Signature: 	Date: 10/16/2022
email: laci.luig@coterra.com	Telephone: (432) 208-3035
<u>OCD Only</u>	
Received by: Jocelyn Harimon	Date: 05/15/2023

Incident ID	nAPP2228953679
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.

Incident ID	nAPP2228953679
District RP	
Facility ID	
Application ID	

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

Printed Name: Laci Luig

Title: ESH Specialist

Signature:

Date: 5/15/2022

email: laci.luig@coterra.com

Telephone: (432) 208-3035

OCD Only

Received by: Jocelyn Harimon

Date: 05/15/2023

Incident ID	nAPP2228953679
District RP	
Facility ID	
Application ID	

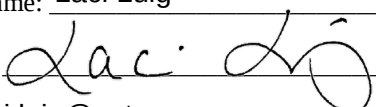
Closure

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

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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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

Printed Name: Laci Luig Title: ESH Specialist
Signature:  Date: 5/15/2023
email: laci.luig@coterra.com Telephone: 432-208-3035

OCD Only

Received by: Jocelyn Harimon Date: 05/15/2023

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

From: [Ashton Thielke](#)
To: [NMOCD Spill Notifications \(OCD.Enviro@emnrd.nm.gov\)](#); [OCD.Enviro@state.nm.us](#)
Cc: [Chad Hensley](#); [Laci Luig](#); [Hamlet, Robert, EMNRD](#); [Nobui, Jennifer, EMNRD](#); [Bratcher, Michael, EMNRD](#); [Harimon, Jocelyn, EMNRD](#)
Subject: nAPP2228953679 - Benson 3 Federal 8H - Confirmation Sampling Notification
Date: Thursday, February 23, 2023 6:02:01 AM

This message originated from an **External Source**. Please use proper judgment and caution when opening attachments, clicking links, or responding to this email.

Good morning,

This new email serves as notification for confirmation sampling on the above mentioned site. Sampling is now scheduled to begin as early as February 27, 2023, weather and soil conditions permitting.

Incident ID: nAPP2228953679

Coordinates: 32.69563, -103.95299

Thank you,



Ashton Thielke | PBU - Environmental Consultant
T: 432.813.8988 | M: 281.753.5659 | ashton.thielke@coterra.com | www.coterra.com
Coterra Energy Inc. | 600 N. Marienfeld Street, Suite 600 | Midland, TX 79701

Coterra Energy Inc. is the result of the merger of Cimarex Energy Co. and Cabot Oil & Gas Corporation on October 1, 2021.

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Friday, December 9, 2022 9:10 AM
To: Laci Luig <Laci.Luig@coterra.com>
Cc: Ashton Thielke <Ashton.Thielke@coterra.com>; chensley@talonlpe.com; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: [EXTERNAL] (Extension Approval) - nAPP2228953679 Benson 3 Federal 8H

WARNING: This email originated from outside of Coterra Energy. Do not click links or open attachments unless you recognize the sender, are expecting the content and know it is safe.

RE: Incident #**NAPP2228953679**

Laci,

Your request for an extension to **April 15th, 2023** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Thursday, December 8, 2022 1:59 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Extension Request - nAPP2228953679 Benson 3 Federal 8H

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
<http://www.emnrd.nm.gov>



From: Laci Luig <Laci.Luig@coterra.com>
Sent: Thursday, December 8, 2022 1:00 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; BLM Spill Notifications <BLM_NM_CFO_Spill@blm.gov>
Cc: Ashton Thielke <Ashton.Thielke@coterra.com>; Chad Hensley - Talon <chensley@talonlpe.com>
Subject: [EXTERNAL] Extension Request - nAPP2228953679 Benson 3 Federal 8H

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

This correspondence is to request a 90 day extension for the Benson 3 Federal Com 8

remediation, Incident ID nAPP2228953679, in Eddy County, New Mexico. The release of 14 barrels water and 4 barrels oil occurred 10/15/2022 and remained on the well pad.

Remediation is delayed due to scheduling well work to replace the pup joint (cause of the spill). Well work is planned to occur in mid-January, excavation will begin shortly after at the beginning of February, and a closure report will be submitted immediately after.

Thank you,



Laci Luig | Environmental Safety & Health Specialist

T: 432.571.7810 | M: 432.208.3035 | laci.luig@coterra.com | www.coterra.com

Coterra Energy Inc. | 600 N. Marienfeld Street, Suite 600 | Midland, TX 79701

Coterra Energy Inc. is the result of the merger of Cimarex Energy Co. and Cabot Oil & Gas Corporation on October 1, 2021.

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Appendix IV

Photographic Documentation

**Photograph No.1 Description:**

View of hydro-vac activities.

**Photograph No.2 Description:**

View of hydro-vac activities near well head on location.

**Photograph No.3 Description:**

View of excavation area.

**Photograph No.4 Description:**

View of excavation area.

**Photograph No.5 Description:**

View of excavation area.

**Photograph No.6 Description:**

View of excavation area.

**Photograph No.7 Description:**

View of backfilled location.

**Photograph No.8 Description:**

View of backfilled location.



Appendix V

Laboratory Reports



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

March 23, 2023

CHAD HENSLEY

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: BENSON 3 FEDERAL COM 8

Enclosed are the results of analyses for samples received by the laboratory on 03/22/23 14:10.

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 fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/22/2023
Reported: 03/23/2023
Project Name: BENSON 3 FEDERAL COM 8
Project Number: 701162.117.01
Project Location: CIMAREX - EDDY COUNTY, NM

Sampling Date: 03/22/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 6 (H231312-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/22/2023	ND	2.04	102	2.00	0.305	
Toluene*	<0.050	0.050	03/22/2023	ND	2.07	103	2.00	0.518	
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.16	108	2.00	0.331	
Total Xylenes*	<0.150	0.150	03/22/2023	ND	6.63	111	6.00	0.172	
Total BTX	<0.300	0.300	03/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/23/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2023	ND	183	91.7	200	2.08	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	176	88.0	200	0.338	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 141 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/22/2023
Reported: 03/23/2023
Project Name: BENSON 3 FEDERAL COM 8
Project Number: 701162.117.01
Project Location: CIMAREX - EDDY COUNTY, NM

Sampling Date: 03/22/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 7 (H231312-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/22/2023	ND	2.04	102	2.00	0.305	
Toluene*	<0.050	0.050	03/22/2023	ND	2.07	103	2.00	0.518	
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.16	108	2.00	0.331	
Total Xylenes*	<0.150	0.150	03/22/2023	ND	6.63	111	6.00	0.172	
Total BTEX	<0.300	0.300	03/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	03/23/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2023	ND	183	91.7	200	2.08	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	176	88.0	200	0.338	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

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:

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

Received: 03/22/2023
Reported: 03/23/2023
Project Name: BENSON 3 FEDERAL COM 8
Project Number: 701162.117.01
Project Location: CIMAREX - EDDY COUNTY, NM

Sampling Date: 03/22/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 19 (H231312-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/22/2023	ND	2.04	102	2.00	0.305	
Toluene*	<0.050	0.050	03/22/2023	ND	2.07	103	2.00	0.518	
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.16	108	2.00	0.331	
Total Xylenes*	<0.150	0.150	03/22/2023	ND	6.63	111	6.00	0.172	
Total BTEx	<0.300	0.300	03/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	03/23/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2023	ND	183	91.7	200	2.08	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	176	88.0	200	0.338	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: A231312

Page _____ of _____

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[illegible]



Environment Testing

ANALYTICAL REPORT

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

Laboratory Job ID: 890-3418-1

Laboratory Sample Delivery Group: Eddy County
Client Project/Site: Benson 3 Federal Com 8

For:

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

Attn: Chad Hensley

A handwritten signature in black ink, appearing to read "John Builes", written over a horizontal line.

Authorized for release by:

11/10/2022 5:21:07 PM

John Builes, Project Manager
(561)558-4549

John.Builes@et.eurofinsus.com

Designee for

Jessica Kramer, Project Manager
(432)704-5440

Jessica.Kramer@et.eurofinsus.com

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

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

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Client: Talon/LPE
Project/Site: Benson 3 Federal Com 8

Laboratory Job ID: 890-3418-1
SDG: Eddy County

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Definitions/Glossary

Client: Talon/LPE
Project/Site: Benson 3 Federal Com 8

Job ID: 890-3418-1
SDG: Eddy County

Qualifiers

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Talon/LPE
Project/Site: Benson 3 Federal Com 8

Job ID: 890-3418-1
SDG: Eddy County

Job ID: 890-3418-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-3418-1

Receipt

The samples were received on 11/8/2022 12:32 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 25.0°C

Receipt Exceptions

The following samples analyzed were received and analyzed from an unpreserved bulk soil jar: S-1 @1 FT (890-3418-1), S-1 @4FT (890-3418-2), S-2 (890-3418-3), S-2 (890-3418-4), S-2 (890-3418-5), S-3 (890-3418-6), S-3 (890-3418-7), S-4 (890-3418-8), S-4 (890-3418-9) and S-4 (890-3418-10).

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: The method blank for preparation batch 880-39116 and analytical batch 880-39056 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-39116 and analytical batch 880-39056 was outside control limits. Sample non-homogeneity is suspected.

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

HPLC/IC

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

Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Federal Com 8

Job ID: 890-3418-1
SDG: Eddy County

Client Sample ID: S-1 @1 FT

Lab Sample ID: 890-3418-1

Date Collected: 11/08/22 10:05

Matrix: Solid

Date Received: 11/08/22 12:32

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		11/09/22 13:00	11/09/22 13:57	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg		11/09/22 13:00	11/09/22 13:57	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		11/09/22 13:00	11/09/22 13:57	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100	mg/Kg		11/09/22 13:00	11/09/22 13:57	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		11/09/22 13:00	11/09/22 13:57	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		11/09/22 13:00	11/09/22 13:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	11/09/22 13:00	11/09/22 13:57	1
1,4-Difluorobenzene (Surr)	107		70 - 130	11/09/22 13:00	11/09/22 13:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00398	0.00100	mg/Kg			11/10/22 11:59	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			11/10/22 09:40	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U F2	50.0	15.0	mg/Kg		11/09/22 14:01	11/09/22 21:21	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		11/09/22 14:01	11/09/22 21:21	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		11/09/22 14:01	11/09/22 21:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	11/09/22 14:01	11/09/22 21:21	1
o-Terphenyl	90		70 - 130	11/09/22 14:01	11/09/22 21:21	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2670		24.9	1.96	mg/Kg			11/10/22 09:51	5

Client Sample ID: S-1 @4FT

Lab Sample ID: 890-3418-2

Date Collected: 11/08/22 10:15

Matrix: Solid

Date Received: 11/08/22 12:32

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg		11/09/22 13:00	11/09/22 14:17	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		11/09/22 13:00	11/09/22 14:17	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		11/09/22 13:00	11/09/22 14:17	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		11/09/22 13:00	11/09/22 14:17	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		11/09/22 13:00	11/09/22 14:17	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		11/09/22 13:00	11/09/22 14:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	11/09/22 13:00	11/09/22 14:17	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Federal Com 8

Job ID: 890-3418-1
SDG: Eddy County

Client Sample ID: S-1 @4FT

Lab Sample ID: 890-3418-2

Date Collected: 11/08/22 10:15

Matrix: Solid

Date Received: 11/08/22 12:32

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	110		70 - 130	11/09/22 13:00	11/09/22 14:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00399	0.00101	mg/Kg			11/10/22 11:59	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<14.9	U	49.8	14.9	mg/Kg			11/10/22 09:40	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.9	U	49.8	14.9	mg/Kg		11/09/22 14:01	11/09/22 22:26	1
Diesel Range Organics (Over C10-C28)	<14.9	U	49.8	14.9	mg/Kg		11/09/22 14:01	11/09/22 22:26	1
Oil Range Organics (Over C28-C36)	<14.9	U	49.8	14.9	mg/Kg		11/09/22 14:01	11/09/22 22:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				11/09/22 14:01	11/09/22 22:26	1
o-Terphenyl	101		70 - 130				11/09/22 14:01	11/09/22 22:26	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	592		4.96	0.392	mg/Kg			11/10/22 10:11	1

Client Sample ID: S-2

Lab Sample ID: 890-3418-3

Date Collected: 11/08/22 10:09

Matrix: Solid

Date Received: 11/08/22 12:32

Sample Depth: surface

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000386	U	0.00200	0.000386	mg/Kg		11/09/22 13:00	11/09/22 14:38	1
Toluene	<0.000457	U	0.00200	0.000457	mg/Kg		11/09/22 13:00	11/09/22 14:38	1
Ethylbenzene	<0.000566	U	0.00200	0.000566	mg/Kg		11/09/22 13:00	11/09/22 14:38	1
m-Xylene & p-Xylene	<0.00101	U	0.00401	0.00101	mg/Kg		11/09/22 13:00	11/09/22 14:38	1
o-Xylene	<0.000345	U	0.00200	0.000345	mg/Kg		11/09/22 13:00	11/09/22 14:38	1
Xylenes, Total	<0.00101	U	0.00401	0.00101	mg/Kg		11/09/22 13:00	11/09/22 14:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				11/09/22 13:00	11/09/22 14:38	1
1,4-Difluorobenzene (Surr)	100		70 - 130				11/09/22 13:00	11/09/22 14:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00401	0.00101	mg/Kg			11/10/22 11:59	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.9	15.0	mg/Kg			11/10/22 09:40	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Federal Com 8

Job ID: 890-3418-1
SDG: Eddy County

Client Sample ID: S-2

Lab Sample ID: 890-3418-3

Date Collected: 11/08/22 10:09

Matrix: Solid

Date Received: 11/08/22 12:32

Sample Depth: surface

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	49.9	15.0	mg/Kg		11/09/22 14:01	11/09/22 22:48	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		11/09/22 14:01	11/09/22 22:48	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		11/09/22 14:01	11/09/22 22:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				11/09/22 14:01	11/09/22 22:48	1
o-Terphenyl	97		70 - 130				11/09/22 14:01	11/09/22 22:48	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6720		50.0	3.95	mg/Kg			11/10/22 10:17	10

Client Sample ID: S-2

Lab Sample ID: 890-3418-4

Date Collected: 11/08/22 10:12

Matrix: Solid

Date Received: 11/08/22 12:32

Sample Depth: 2

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg		11/09/22 13:00	11/09/22 14:58	1
Toluene	<0.000459	U	0.00201	0.000459	mg/Kg		11/09/22 13:00	11/09/22 14:58	1
Ethylbenzene	<0.000568	U	0.00201	0.000568	mg/Kg		11/09/22 13:00	11/09/22 14:58	1
m-Xylene & p-Xylene	<0.00102	U	0.00402	0.00102	mg/Kg		11/09/22 13:00	11/09/22 14:58	1
o-Xylene	<0.000346	U	0.00201	0.000346	mg/Kg		11/09/22 13:00	11/09/22 14:58	1
Xylenes, Total	<0.00102	U	0.00402	0.00102	mg/Kg		11/09/22 13:00	11/09/22 14:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				11/09/22 13:00	11/09/22 14:58	1
1,4-Difluorobenzene (Surr)	103		70 - 130				11/09/22 13:00	11/09/22 14:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00402	0.00102	mg/Kg			11/10/22 11:59	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			11/10/22 09:40	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		11/09/22 14:01	11/09/22 23:10	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		11/09/22 14:01	11/09/22 23:10	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		11/09/22 14:01	11/09/22 23:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				11/09/22 14:01	11/09/22 23:10	1
o-Terphenyl	92		70 - 130				11/09/22 14:01	11/09/22 23:10	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Federal Com 8

Job ID: 890-3418-1
SDG: Eddy County

Client Sample ID: S-2

Lab Sample ID: 890-3418-4

Date Collected: 11/08/22 10:12

Matrix: Solid

Date Received: 11/08/22 12:32

Sample Depth: 2

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	482		5.03	0.397	mg/Kg			11/10/22 10:23	1

Client Sample ID: S-2

Lab Sample ID: 890-3418-5

Date Collected: 11/08/22 10:19

Matrix: Solid

Date Received: 11/08/22 12:32

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg		11/09/22 13:00	11/09/22 16:21	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		11/09/22 13:00	11/09/22 16:21	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		11/09/22 13:00	11/09/22 16:21	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		11/09/22 13:00	11/09/22 16:21	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		11/09/22 13:00	11/09/22 16:21	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		11/09/22 13:00	11/09/22 16:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				11/09/22 13:00	11/09/22 16:21	1
1,4-Difluorobenzene (Surr)	102		70 - 130				11/09/22 13:00	11/09/22 16:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00399	0.00101	mg/Kg			11/10/22 11:59	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			11/10/22 09:40	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		11/09/22 14:01	11/09/22 23:32	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		11/09/22 14:01	11/09/22 23:32	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		11/09/22 14:01	11/09/22 23:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				11/09/22 14:01	11/09/22 23:32	1
o-Terphenyl	95		70 - 130				11/09/22 14:01	11/09/22 23:32	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	433		5.05	0.399	mg/Kg			11/10/22 10:30	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Federal Com 8

Job ID: 890-3418-1
SDG: Eddy County

Client Sample ID: S-3

Lab Sample ID: 890-3418-6

Date Collected: 11/08/22 10:22

Matrix: Solid

Date Received: 11/08/22 12:32

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		11/09/22 13:00	11/09/22 16:55	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg		11/09/22 13:00	11/09/22 16:55	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		11/09/22 13:00	11/09/22 16:55	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100	mg/Kg		11/09/22 13:00	11/09/22 16:55	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		11/09/22 13:00	11/09/22 16:55	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		11/09/22 13:00	11/09/22 16:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	11/09/22 13:00	11/09/22 16:55	1
1,4-Difluorobenzene (Surr)	104		70 - 130	11/09/22 13:00	11/09/22 16:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00398	0.00100	mg/Kg			11/10/22 11:59	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	66.0		50.0	15.0	mg/Kg			11/10/22 09:40	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	15.8	J	50.0	15.0	mg/Kg		11/09/22 14:01	11/09/22 23:54	1
Diesel Range Organics (Over C10-C28)	50.2	B	50.0	15.0	mg/Kg		11/09/22 14:01	11/09/22 23:54	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		11/09/22 14:01	11/09/22 23:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	11/09/22 14:01	11/09/22 23:54	1
o-Terphenyl	117		70 - 130	11/09/22 14:01	11/09/22 23:54	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4720		50.2	3.97	mg/Kg			11/10/22 10:50	10

Client Sample ID: S-3

Lab Sample ID: 890-3418-7

Date Collected: 11/08/22 10:24

Matrix: Solid

Date Received: 11/08/22 12:32

Sample Depth: 2

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg		11/09/22 13:00	11/09/22 17:16	1
Toluene	0.000611	J	0.00200	0.000455	mg/Kg		11/09/22 13:00	11/09/22 17:16	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		11/09/22 13:00	11/09/22 17:16	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		11/09/22 13:00	11/09/22 17:16	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		11/09/22 13:00	11/09/22 17:16	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		11/09/22 13:00	11/09/22 17:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	11/09/22 13:00	11/09/22 17:16	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Federal Com 8

Job ID: 890-3418-1
SDG: Eddy County

Client Sample ID: S-3

Lab Sample ID: 890-3418-7

Date Collected: 11/08/22 10:24

Matrix: Solid

Date Received: 11/08/22 12:32

Sample Depth: 2

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	90		70 - 130	11/09/22 13:00	11/09/22 17:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00399	0.00101	mg/Kg			11/10/22 11:59	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			11/10/22 09:40	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		11/09/22 14:01	11/10/22 00:15	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		11/09/22 14:01	11/10/22 00:15	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		11/09/22 14:01	11/10/22 00:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				11/09/22 14:01	11/10/22 00:15	1
o-Terphenyl	101		70 - 130				11/09/22 14:01	11/10/22 00:15	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1890		24.9	1.97	mg/Kg			11/10/22 10:57	5

Client Sample ID: S-4

Lab Sample ID: 890-3418-8

Date Collected: 11/08/22 10:31

Matrix: Solid

Date Received: 11/08/22 12:32

Sample Depth: surface

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		11/09/22 13:00	11/09/22 17:36	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg		11/09/22 13:00	11/09/22 17:36	1
Ethylbenzene	0.00133	J	0.00199	0.000563	mg/Kg		11/09/22 13:00	11/09/22 17:36	1
m-Xylene & p-Xylene	0.00155	J	0.00398	0.00101	mg/Kg		11/09/22 13:00	11/09/22 17:36	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		11/09/22 13:00	11/09/22 17:36	1
Xylenes, Total	0.00155	J	0.00398	0.00101	mg/Kg		11/09/22 13:00	11/09/22 17:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	11/09/22 13:00	11/09/22 17:36	1
1,4-Difluorobenzene (Surr)	111		70 - 130	11/09/22 13:00	11/09/22 17:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00288	J	0.00398	0.00101	mg/Kg			11/10/22 11:59	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	173		50.0	15.0	mg/Kg			11/10/22 09:40	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Federal Com 8

Job ID: 890-3418-1
SDG: Eddy County

Client Sample ID: S-4

Lab Sample ID: 890-3418-8

Date Collected: 11/08/22 10:31

Matrix: Solid

Date Received: 11/08/22 12:32

Sample Depth: surface

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		11/09/22 14:01	11/10/22 00:37	1
Diesel Range Organics (Over C10-C28)	173	B	50.0	15.0	mg/Kg		11/09/22 14:01	11/10/22 00:37	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		11/09/22 14:01	11/10/22 00:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				11/09/22 14:01	11/10/22 00:37	1
o-Terphenyl	87		70 - 130				11/09/22 14:01	11/10/22 00:37	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2550		24.9	1.96	mg/Kg			11/10/22 11:04	5

Client Sample ID: S-4

Lab Sample ID: 890-3418-9

Date Collected: 11/08/22 10:34

Matrix: Solid

Date Received: 11/08/22 12:32

Sample Depth: 2

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		11/09/22 13:00	11/09/22 17:57	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg		11/09/22 13:00	11/09/22 17:57	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		11/09/22 13:00	11/09/22 17:57	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100	mg/Kg		11/09/22 13:00	11/09/22 17:57	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		11/09/22 13:00	11/09/22 17:57	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		11/09/22 13:00	11/09/22 17:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				11/09/22 13:00	11/09/22 17:57	1
1,4-Difluorobenzene (Surr)	104		70 - 130				11/09/22 13:00	11/09/22 17:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00398	0.00100	mg/Kg			11/10/22 11:59	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			11/10/22 09:40	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		11/09/22 14:01	11/10/22 00:58	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		11/09/22 14:01	11/10/22 00:58	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		11/09/22 14:01	11/10/22 00:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				11/09/22 14:01	11/10/22 00:58	1
o-Terphenyl	96		70 - 130				11/09/22 14:01	11/10/22 00:58	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Federal Com 8

Job ID: 890-3418-1
SDG: Eddy County

Client Sample ID: S-4

Lab Sample ID: 890-3418-9

Date Collected: 11/08/22 10:34

Matrix: Solid

Date Received: 11/08/22 12:32

Sample Depth: 2

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1110		25.1	1.98	mg/Kg			11/10/22 11:10	5

Client Sample ID: S-4

Lab Sample ID: 890-3418-10

Date Collected: 11/08/22 10:45

Matrix: Solid

Date Received: 11/08/22 12:32

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000386	U	0.00200	0.000386	mg/Kg		11/09/22 13:00	11/09/22 18:17	1
Toluene	<0.000457	U	0.00200	0.000457	mg/Kg		11/09/22 13:00	11/09/22 18:17	1
Ethylbenzene	<0.000566	U	0.00200	0.000566	mg/Kg		11/09/22 13:00	11/09/22 18:17	1
m-Xylene & p-Xylene	<0.00101	U	0.00401	0.00101	mg/Kg		11/09/22 13:00	11/09/22 18:17	1
o-Xylene	0.000844	J	0.00200	0.000345	mg/Kg		11/09/22 13:00	11/09/22 18:17	1
Xylenes, Total	<0.00101	U	0.00401	0.00101	mg/Kg		11/09/22 13:00	11/09/22 18:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				11/09/22 13:00	11/09/22 18:17	1
1,4-Difluorobenzene (Surr)	105		70 - 130				11/09/22 13:00	11/09/22 18:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00401	0.00101	mg/Kg			11/10/22 11:59	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			11/10/22 09:40	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		11/09/22 14:01	11/10/22 01:20	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		11/09/22 14:01	11/10/22 01:20	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		11/09/22 14:01	11/10/22 01:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				11/09/22 14:01	11/10/22 01:20	1
o-Terphenyl	85		70 - 130				11/09/22 14:01	11/10/22 01:20	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	322		4.98	0.393	mg/Kg			11/10/22 11:17	1

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Surrogate Summary

Client: Talon/LPE
Project/Site: Benson 3 Federal Com 8

Job ID: 890-3418-1
SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
890-3418-1	S-1 @1 FT	94	107				
890-3418-2	S-1 @4FT	97	110				
890-3418-3	S-2	90	100				
890-3418-4	S-2	100	103				
890-3418-5	S-2	94	102				
890-3418-6	S-3	97	104				
890-3418-7	S-3	108	90				
890-3418-8	S-4	110	111				
890-3418-9	S-4	99	104				
890-3418-10	S-4	96	105				
LCS 880-39063/1-A	Lab Control Sample	92	113				
LCSD 880-39063/2-A	Lab Control Sample Dup	95	117				
MB 880-39063/5-A	Method Blank	78	100				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
890-3418-1	S-1 @1 FT	83	90				
890-3418-1 MS	S-1 @1 FT	74	80				
890-3418-1 MSD	S-1 @1 FT	86	78				
890-3418-2	S-1 @4FT	97	101				
890-3418-3	S-2	91	97				
890-3418-4	S-2	86	92				
890-3418-5	S-2	85	95				
890-3418-6	S-3	110	117				
890-3418-7	S-3	94	101				
890-3418-8	S-4	78	87				
890-3418-9	S-4	89	96				
890-3418-10	S-4	79	85				
LCS 880-39116/2-A	Lab Control Sample	100	104				
LCSD 880-39116/3-A	Lab Control Sample Dup	99	103				
MB 880-39116/1-A	Method Blank	95	96				
Surrogate Legend							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							

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QC Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Federal Com 8

Job ID: 890-3418-1
SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-39063/5-A

Matrix: Solid

Analysis Batch: 39062

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39063

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		11/09/22 08:53	11/09/22 11:32	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		11/09/22 08:53	11/09/22 11:32	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		11/09/22 08:53	11/09/22 11:32	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		11/09/22 08:53	11/09/22 11:32	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		11/09/22 08:53	11/09/22 11:32	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		11/09/22 08:53	11/09/22 11:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	11/09/22 08:53	11/09/22 11:32	1
1,4-Difluorobenzene (Surr)	100		70 - 130	11/09/22 08:53	11/09/22 11:32	1

Lab Sample ID: LCS 880-39063/1-A

Matrix: Solid

Analysis Batch: 39062

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 39063

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1065		mg/Kg		107	70 - 130
Toluene	0.100	0.09243		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.08737		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1791		mg/Kg		90	70 - 130
o-Xylene	0.100	0.08740		mg/Kg		87	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: LCSD 880-39063/2-A

Matrix: Solid

Analysis Batch: 39062

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 39063

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1066		mg/Kg		107	70 - 130	0	35
Toluene	0.100	0.08974		mg/Kg		90	70 - 130	3	35
Ethylbenzene	0.100	0.08748		mg/Kg		87	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1783		mg/Kg		89	70 - 130	0	35
o-Xylene	0.100	0.08857		mg/Kg		89	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	117		70 - 130

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QC Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Federal Com 8

Job ID: 890-3418-1
SDG: Eddy County

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

Lab Sample ID: MB 880-39116/1-A

Matrix: Solid

Analysis Batch: 39056

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39116

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		11/09/22 14:01	11/09/22 20:15	1
Diesel Range Organics (Over C10-C28)	18.47	J	50.0	15.0	mg/Kg		11/09/22 14:01	11/09/22 20:15	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		11/09/22 14:01	11/09/22 20:15	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				11/09/22 14:01	11/09/22 20:15	1
o-Terphenyl	96		70 - 130				11/09/22 14:01	11/09/22 20:15	1

Lab Sample ID: LCS 880-39116/2-A

Matrix: Solid

Analysis Batch: 39056

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 39116

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	814.3		mg/Kg		81	70 - 130
Diesel Range Organics (Over C10-C28)	1000	939.9		mg/Kg		94	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	100		70 - 130				
o-Terphenyl	104		70 - 130				

Lab Sample ID: LCSD 880-39116/3-A

Matrix: Solid

Analysis Batch: 39056

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 39116

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	870.1		mg/Kg		87	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	926.4		mg/Kg		93	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	99		70 - 130						
o-Terphenyl	103		70 - 130						

Lab Sample ID: 890-3418-1 MS

Matrix: Solid

Analysis Batch: 39056

Client Sample ID: S-1 @1 FT

Prep Type: Total/NA

Prep Batch: 39116

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<15.0	U F2	997	763.6		mg/Kg		77	70 - 130
Diesel Range Organics (Over C10-C28)	<15.0	U	997	807.0		mg/Kg		81	70 - 130

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QC Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Federal Com 8

Job ID: 890-3418-1
SDG: Eddy County

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

Lab Sample ID: 890-3418-1 MS

Matrix: Solid

Analysis Batch: 39056

Client Sample ID: S-1 @1 FT

Prep Type: Total/NA

Prep Batch: 39116

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	74		70 - 130
o-Terphenyl	80		70 - 130

Lab Sample ID: 890-3418-1 MSD

Matrix: Solid

Analysis Batch: 39056

Client Sample ID: S-1 @1 FT

Prep Type: Total/NA

Prep Batch: 39116

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<15.0	U F2	999	963.3	F2	mg/Kg		96	70 - 130	23	20
Diesel Range Organics (Over C10-C28)	<15.0	U	999	803.3		mg/Kg		80	70 - 130	0	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	86		70 - 130								
o-Terphenyl	78		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-39113/1-A

Matrix: Solid

Analysis Batch: 39238

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<0.395	U	5.00	0.395	mg/Kg			11/10/22 09:29	1	

Lab Sample ID: LCS 880-39113/2-A

Matrix: Solid

Analysis Batch: 39238

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Chloride	250	252.9		mg/Kg		101	90 - 110			

Lab Sample ID: LCSD 880-39113/3-A

Matrix: Solid

Analysis Batch: 39238

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

	Spike	LCSD	LCSD					%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	251.9		mg/Kg		101	90 - 110	0	20	

Lab Sample ID: 890-3418-1 MS

Matrix: Solid

Analysis Batch: 39238

Client Sample ID: S-1 @1 FT

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	2670		1240	3984		mg/Kg		106	90 - 110		

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QC Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Federal Com 8

Job ID: 890-3418-1
SDG: Eddy County

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-3418-1 MSD					Client Sample ID: S-1 @1 FT							
Matrix: Solid					Prep Type: Soluble							
Analysis Batch: 39238												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	2670		1240	4009		mg/Kg		108	90 - 110	1	20	

QC Association Summary

Client: Talon/LPE
Project/Site: Benson 3 Federal Com 8

Job ID: 890-3418-1
SDG: Eddy County

GC VOA

Analysis Batch: 39062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3418-1	S-1 @1 FT	Total/NA	Solid	8021B	39063
890-3418-2	S-1 @4FT	Total/NA	Solid	8021B	39063
890-3418-3	S-2	Total/NA	Solid	8021B	39063
890-3418-4	S-2	Total/NA	Solid	8021B	39063
890-3418-5	S-2	Total/NA	Solid	8021B	39063
890-3418-6	S-3	Total/NA	Solid	8021B	39063
890-3418-7	S-3	Total/NA	Solid	8021B	39063
890-3418-8	S-4	Total/NA	Solid	8021B	39063
890-3418-9	S-4	Total/NA	Solid	8021B	39063
890-3418-10	S-4	Total/NA	Solid	8021B	39063
MB 880-39063/5-A	Method Blank	Total/NA	Solid	8021B	39063
LCS 880-39063/1-A	Lab Control Sample	Total/NA	Solid	8021B	39063
LCSD 880-39063/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	39063

Prep Batch: 39063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3418-1	S-1 @1 FT	Total/NA	Solid	5035	
890-3418-2	S-1 @4FT	Total/NA	Solid	5035	
890-3418-3	S-2	Total/NA	Solid	5035	
890-3418-4	S-2	Total/NA	Solid	5035	
890-3418-5	S-2	Total/NA	Solid	5035	
890-3418-6	S-3	Total/NA	Solid	5035	
890-3418-7	S-3	Total/NA	Solid	5035	
890-3418-8	S-4	Total/NA	Solid	5035	
890-3418-9	S-4	Total/NA	Solid	5035	
890-3418-10	S-4	Total/NA	Solid	5035	
MB 880-39063/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-39063/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-39063/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 39231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3418-1	S-1 @1 FT	Total/NA	Solid	Total BTEX	
890-3418-2	S-1 @4FT	Total/NA	Solid	Total BTEX	
890-3418-3	S-2	Total/NA	Solid	Total BTEX	
890-3418-4	S-2	Total/NA	Solid	Total BTEX	
890-3418-5	S-2	Total/NA	Solid	Total BTEX	
890-3418-6	S-3	Total/NA	Solid	Total BTEX	
890-3418-7	S-3	Total/NA	Solid	Total BTEX	
890-3418-8	S-4	Total/NA	Solid	Total BTEX	
890-3418-9	S-4	Total/NA	Solid	Total BTEX	
890-3418-10	S-4	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 39056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3418-1	S-1 @1 FT	Total/NA	Solid	8015B NM	39116
890-3418-2	S-1 @4FT	Total/NA	Solid	8015B NM	39116
890-3418-3	S-2	Total/NA	Solid	8015B NM	39116
890-3418-4	S-2	Total/NA	Solid	8015B NM	39116

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QC Association Summary

Client: Talon/LPE
Project/Site: Benson 3 Federal Com 8

Job ID: 890-3418-1
SDG: Eddy County

GC Semi VOA (Continued)

Analysis Batch: 39056 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3418-5	S-2	Total/NA	Solid	8015B NM	39116
890-3418-6	S-3	Total/NA	Solid	8015B NM	39116
890-3418-7	S-3	Total/NA	Solid	8015B NM	39116
890-3418-8	S-4	Total/NA	Solid	8015B NM	39116
890-3418-9	S-4	Total/NA	Solid	8015B NM	39116
890-3418-10	S-4	Total/NA	Solid	8015B NM	39116
MB 880-39116/1-A	Method Blank	Total/NA	Solid	8015B NM	39116
LCS 880-39116/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	39116
LCSD 880-39116/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	39116
890-3418-1 MS	S-1 @1 FT	Total/NA	Solid	8015B NM	39116
890-3418-1 MSD	S-1 @1 FT	Total/NA	Solid	8015B NM	39116

Prep Batch: 39116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3418-1	S-1 @1 FT	Total/NA	Solid	8015NM Prep	
890-3418-2	S-1 @4FT	Total/NA	Solid	8015NM Prep	
890-3418-3	S-2	Total/NA	Solid	8015NM Prep	
890-3418-4	S-2	Total/NA	Solid	8015NM Prep	
890-3418-5	S-2	Total/NA	Solid	8015NM Prep	
890-3418-6	S-3	Total/NA	Solid	8015NM Prep	
890-3418-7	S-3	Total/NA	Solid	8015NM Prep	
890-3418-8	S-4	Total/NA	Solid	8015NM Prep	
890-3418-9	S-4	Total/NA	Solid	8015NM Prep	
890-3418-10	S-4	Total/NA	Solid	8015NM Prep	
MB 880-39116/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-39116/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-39116/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3418-1 MS	S-1 @1 FT	Total/NA	Solid	8015NM Prep	
890-3418-1 MSD	S-1 @1 FT	Total/NA	Solid	8015NM Prep	

Analysis Batch: 39199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3418-1	S-1 @1 FT	Total/NA	Solid	8015 NM	
890-3418-2	S-1 @4FT	Total/NA	Solid	8015 NM	
890-3418-3	S-2	Total/NA	Solid	8015 NM	
890-3418-4	S-2	Total/NA	Solid	8015 NM	
890-3418-5	S-2	Total/NA	Solid	8015 NM	
890-3418-6	S-3	Total/NA	Solid	8015 NM	
890-3418-7	S-3	Total/NA	Solid	8015 NM	
890-3418-8	S-4	Total/NA	Solid	8015 NM	
890-3418-9	S-4	Total/NA	Solid	8015 NM	
890-3418-10	S-4	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 39113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3418-1	S-1 @1 FT	Soluble	Solid	DI Leach	
890-3418-2	S-1 @4FT	Soluble	Solid	DI Leach	
890-3418-3	S-2	Soluble	Solid	DI Leach	
890-3418-4	S-2	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Talon/LPE
Project/Site: Benson 3 Federal Com 8

Job ID: 890-3418-1
SDG: Eddy County

HPLC/IC (Continued)

Leach Batch: 39113 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3418-5	S-2	Soluble	Solid	DI Leach	
890-3418-6	S-3	Soluble	Solid	DI Leach	
890-3418-7	S-3	Soluble	Solid	DI Leach	
890-3418-8	S-4	Soluble	Solid	DI Leach	
890-3418-9	S-4	Soluble	Solid	DI Leach	
890-3418-10	S-4	Soluble	Solid	DI Leach	
MB 880-39113/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-39113/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-39113/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3418-1 MS	S-1 @1 FT	Soluble	Solid	DI Leach	
890-3418-1 MSD	S-1 @1 FT	Soluble	Solid	DI Leach	

Analysis Batch: 39238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3418-1	S-1 @1 FT	Soluble	Solid	300.0	39113
890-3418-2	S-1 @4FT	Soluble	Solid	300.0	39113
890-3418-3	S-2	Soluble	Solid	300.0	39113
890-3418-4	S-2	Soluble	Solid	300.0	39113
890-3418-5	S-2	Soluble	Solid	300.0	39113
890-3418-6	S-3	Soluble	Solid	300.0	39113
890-3418-7	S-3	Soluble	Solid	300.0	39113
890-3418-8	S-4	Soluble	Solid	300.0	39113
890-3418-9	S-4	Soluble	Solid	300.0	39113
890-3418-10	S-4	Soluble	Solid	300.0	39113
MB 880-39113/1-A	Method Blank	Soluble	Solid	300.0	39113
LCS 880-39113/2-A	Lab Control Sample	Soluble	Solid	300.0	39113
LCSD 880-39113/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	39113
890-3418-1 MS	S-1 @1 FT	Soluble	Solid	300.0	39113
890-3418-1 MSD	S-1 @1 FT	Soluble	Solid	300.0	39113

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Lab Chronicle

Client: Talon/LPE
Project/Site: Benson 3 Federal Com 8

Job ID: 890-3418-1
SDG: Eddy County

Client Sample ID: S-1 @1 FT

Lab Sample ID: 890-3418-1

Date Collected: 11/08/22 10:05

Matrix: Solid

Date Received: 11/08/22 12:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	39063	11/09/22 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39062	11/09/22 13:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39231	11/10/22 11:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			39199	11/10/22 09:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39116	11/09/22 14:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39056	11/09/22 21:21	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39113	11/09/22 13:24	KS	EET MID
Soluble	Analysis	300.0		5			39238	11/10/22 09:51	CH	EET MID

Client Sample ID: S-1 @4FT

Lab Sample ID: 890-3418-2

Date Collected: 11/08/22 10:15

Matrix: Solid

Date Received: 11/08/22 12:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	39063	11/09/22 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39062	11/09/22 14:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39231	11/10/22 11:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			39199	11/10/22 09:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39116	11/09/22 14:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39056	11/09/22 22:26	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	39113	11/09/22 13:24	KS	EET MID
Soluble	Analysis	300.0		1			39238	11/10/22 10:11	CH	EET MID

Client Sample ID: S-2

Lab Sample ID: 890-3418-3

Date Collected: 11/08/22 10:09

Matrix: Solid

Date Received: 11/08/22 12:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	39063	11/09/22 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39062	11/09/22 14:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39231	11/10/22 11:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			39199	11/10/22 09:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39116	11/09/22 14:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39056	11/09/22 22:48	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39113	11/09/22 13:24	KS	EET MID
Soluble	Analysis	300.0		10			39238	11/10/22 10:17	CH	EET MID

Client Sample ID: S-2

Lab Sample ID: 890-3418-4

Date Collected: 11/08/22 10:12

Matrix: Solid

Date Received: 11/08/22 12:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	39063	11/09/22 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39062	11/09/22 14:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39231	11/10/22 11:59	SM	EET MID

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Lab Chronicle

Client: Talon/LPE
Project/Site: Benson 3 Federal Com 8

Job ID: 890-3418-1
SDG: Eddy County

Client Sample ID: S-2

Lab Sample ID: 890-3418-4

Date Collected: 11/08/22 10:12

Matrix: Solid

Date Received: 11/08/22 12:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			39199	11/10/22 09:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39116	11/09/22 14:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39056	11/09/22 23:10	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	39113	11/09/22 13:24	KS	EET MID
Soluble	Analysis	300.0		1			39238	11/10/22 10:23	CH	EET MID

Client Sample ID: S-2

Lab Sample ID: 890-3418-5

Date Collected: 11/08/22 10:19

Matrix: Solid

Date Received: 11/08/22 12:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	39063	11/09/22 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39062	11/09/22 16:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39231	11/10/22 11:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			39199	11/10/22 09:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	39116	11/09/22 14:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39056	11/09/22 23:32	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	39113	11/09/22 13:24	KS	EET MID
Soluble	Analysis	300.0		1			39238	11/10/22 10:30	CH	EET MID

Client Sample ID: S-3

Lab Sample ID: 890-3418-6

Date Collected: 11/08/22 10:22

Matrix: Solid

Date Received: 11/08/22 12:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	39063	11/09/22 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39062	11/09/22 16:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39231	11/10/22 11:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			39199	11/10/22 09:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39116	11/09/22 14:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39056	11/09/22 23:54	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	39113	11/09/22 13:24	KS	EET MID
Soluble	Analysis	300.0		10			39238	11/10/22 10:50	CH	EET MID

Client Sample ID: S-3

Lab Sample ID: 890-3418-7

Date Collected: 11/08/22 10:24

Matrix: Solid

Date Received: 11/08/22 12:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	39063	11/09/22 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39062	11/09/22 17:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39231	11/10/22 11:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			39199	11/10/22 09:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	39116	11/09/22 14:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39056	11/10/22 00:15	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Talon/LPE
Project/Site: Benson 3 Federal Com 8

Job ID: 890-3418-1
SDG: Eddy County

Client Sample ID: S-3

Lab Sample ID: 890-3418-7

Date Collected: 11/08/22 10:24

Matrix: Solid

Date Received: 11/08/22 12:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	39113	11/09/22 13:24	KS	EET MID
Soluble	Analysis	300.0		5			39238	11/10/22 10:57	CH	EET MID

Client Sample ID: S-4

Lab Sample ID: 890-3418-8

Date Collected: 11/08/22 10:31

Matrix: Solid

Date Received: 11/08/22 12:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	39063	11/09/22 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39062	11/09/22 17:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39231	11/10/22 11:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			39199	11/10/22 09:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39116	11/09/22 14:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39056	11/10/22 00:37	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39113	11/09/22 13:24	KS	EET MID
Soluble	Analysis	300.0		5			39238	11/10/22 11:04	CH	EET MID

Client Sample ID: S-4

Lab Sample ID: 890-3418-9

Date Collected: 11/08/22 10:34

Matrix: Solid

Date Received: 11/08/22 12:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	39063	11/09/22 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39062	11/09/22 17:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39231	11/10/22 11:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			39199	11/10/22 09:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39116	11/09/22 14:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39056	11/10/22 00:58	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	39113	11/09/22 13:24	KS	EET MID
Soluble	Analysis	300.0		5			39238	11/10/22 11:10	CH	EET MID

Client Sample ID: S-4

Lab Sample ID: 890-3418-10

Date Collected: 11/08/22 10:45

Matrix: Solid

Date Received: 11/08/22 12:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	39063	11/09/22 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39062	11/09/22 18:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39231	11/10/22 11:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			39199	11/10/22 09:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39116	11/09/22 14:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39056	11/10/22 01:20	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	39113	11/09/22 13:24	KS	EET MID
Soluble	Analysis	300.0		1			39238	11/10/22 11:17	CH	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Talon/LPE
Project/Site: Benson 3 Federal Com 8

Job ID: 890-3418-1
SDG: Eddy County

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

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Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: Benson 3 Federal Com 8

Job ID: 890-3418-1
SDG: Eddy County

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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Method Summary

Client: Talon/LPE
Project/Site: Benson 3 Federal Com 8

Job ID: 890-3418-1
SDG: Eddy County

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Carlsbad

Sample Summary

Client: Talon/LPE
Project/Site: Benson 3 Federal Com 8

Job ID: 890-3418-1
SDG: Eddy County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3418-1	S-1 @1 FT	Solid	11/08/22 10:05	11/08/22 12:32	1
890-3418-2	S-1 @4FT	Solid	11/08/22 10:15	11/08/22 12:32	4
890-3418-3	S-2	Solid	11/08/22 10:09	11/08/22 12:32	surface
890-3418-4	S-2	Solid	11/08/22 10:12	11/08/22 12:32	2
890-3418-5	S-2	Solid	11/08/22 10:19	11/08/22 12:32	4
890-3418-6	S-3	Solid	11/08/22 10:22	11/08/22 12:32	1
890-3418-7	S-3	Solid	11/08/22 10:24	11/08/22 12:32	2
890-3418-8	S-4	Solid	11/08/22 10:31	11/08/22 12:32	surface
890-3418-9	S-4	Solid	11/08/22 10:34	11/08/22 12:32	2
890-3418-10	S-4	Solid	11/08/22 10:45	11/08/22 12:32	4



Environment Testing
Xenco

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

Work Order No: _____

www.xenco.com Page _____ of _____

Project Manager:	Chad Hensley	Bill to: (if different)	Coffera
Company Name:	Talon	Company Name:	
Address:		Address:	
City, State ZIP:	Arlene NM	City, State ZIP:	
Phone:	575-746-8768	Email:	CHensley@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:	Benson 3rd C8	Turn Around	☐ Routine ☒ Rush	Pst. Code	
Project Number:		Due Date:	02/04		
Project Location:	Eddy County	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Chad Hensley	Wet Ice:	Yes ☒ No ☐		
PO #:		Thermometer ID:	71111111		
SAMPLE RECEIPT	Temp Blank:	Yes ☒ No ☐			
Samples Received Inact:	Yes ☒ No ☐	Correction Factor:	-0.2		
Cooler Custody Seals:	Yes ☒ No ☐	Temperature Reading:	25.2		
Sample Custody Seals:	Yes ☒ No ☐	Corrected Temperature:	25.0		
Total Containers:					



890-3418 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Preservative Codes	Sample Comments
S-1 1 ft		11/8/22	10:05	1 ft				None: NO DI Water: H ₂ O	
S-1 3 4 ft		10:15	4 ft					Cool: Cool MeOH: Me	
S-2		10:09	5 ft					HCL: HC HNO: HN	
S-2		10:12	2 ft					H ₂ SO ₄ : H ₂ NaOH: Na	
S-2		10:19	4 ft					H ₃ PO ₄ : HP	
S-3		10:22	1 ft					NaHSO ₄ : NABIS	
S-4		10:24	4 ft					Na ₂ S ₂ O ₅ : NaSO ₃	
S-4		10:31	5 ft					Zn Acetate+NaOH: Zn	
S-4		10:34	2 ft					NaOH+Ascorbic Acid: SAPC	
S-4		10:45	4 ft						

Total 200.7 / 6010 2008 / 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 Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-3418-1

SDG Number: Eddy County

Login Number: 3418

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-3418-1

SDG Number: Eddy County

Login Number: 3418

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 11/09/22 10:47 AM

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Chad Hensley
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

Generated 3/19/2023 5:18:12 PM

JOB DESCRIPTION

Benson 3 Fed Com 8
SDG NUMBER Eddy County NM

JOB NUMBER

890-4245-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Eurofins Carlsbad**Job Notes**

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated
3/19/2023 5:18:12 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Laboratory Job ID: 890-4245-1
SDG: Eddy County NM

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Definitions/Glossary

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Eurofins Carlsbad

Definitions/Glossary

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Case Narrative

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Job ID: 890-4245-1

Laboratory: Eurofins Carlsbad

Narrative

**Job Narrative
890-4245-1**

Receipt

The samples were received on 3/7/2023 1:38 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 24.0°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: C-1 (890-4245-1), C-2 (890-4245-2), C-3 (890-4245-3), C-4 (890-4245-4), C-5 (890-4245-5), C-6 (890-4245-6), C-7 (890-4245-7), C-8 (890-4245-8), C-9 (890-4245-9), C-10 (890-4245-10), C-11 (890-4245-11), C-12 (890-4245-12), C-13 (890-4245-13), C-14 (890-4245-14), C-15 (890-4245-15), C-16 (890-4245-16), C-17 (890-4245-17), C-18 (890-4245-18), C-19 (890-4245-19), C-20 (890-4245-20), C-21 (890-4245-21), SW-1 (890-4245-22), SW-2 (890-4245-23), SW-3 (890-4245-24), SW-4 (890-4245-25), SW-5 (890-4245-26), SW-6 (890-4245-27), SW-7 (890-4245-28), SW-8 (890-4245-29), SW-9 (890-4245-30) and SW-10 (890-4245-31).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: SW-4 (890-4245-25). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The method blank for preparation batch 880-48734 and analytical batch 880-48800 contained o-Xylene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-48731 and analytical batch 880-48800 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: Surrogate recovery for the following samples were outside control limits: C-8 (890-4245-8), C-15 (890-4245-15), (LCSD 880-48731/2-A) and (MB 880-48731/5-A). Evidence of matrix interferences is not obvious.

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

GC Semi VOA

Method 8015MOD_NM: The method blank for preparation batch 880-48129 and analytical batch 880-48080 contained Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-48200 and analytical batch 880-48173 was outside the upper control limits.

Method 8015MOD_NM: The method blank for preparation batch 880-48200 and analytical batch 880-48173 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-48202 and analytical batch 880-48272 was outside the upper control limits.

Method 8015MOD_NM: The method blank for preparation batch 880-48202 and analytical batch 880-48272 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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

Case Narrative

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Job ID: 890-4245-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48124 and analytical batch 880-48148 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300_ORGFM_28D: The continuing calibration blank (CCB) for analytical batch 880-48156 contained Chloride above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

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

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Client Sample ID: C-1

Lab Sample ID: 890-4245-1

Date Collected: 03/07/23 08:11

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 7'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg		03/16/23 09:56	03/17/23 22:12	1
Toluene	<0.000459	U	0.00201	0.000459	mg/Kg		03/16/23 09:56	03/17/23 22:12	1
Ethylbenzene	<0.000568	U	0.00201	0.000568	mg/Kg		03/16/23 09:56	03/17/23 22:12	1
m-Xylene & p-Xylene	<0.00102	U **	0.00402	0.00102	mg/Kg		03/16/23 09:56	03/17/23 22:12	1
o-Xylene	<0.000346	U **	0.00201	0.000346	mg/Kg		03/16/23 09:56	03/17/23 22:12	1
Xylenes, Total	<0.00102	U **	0.00402	0.00102	mg/Kg		03/16/23 09:56	03/17/23 22:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	03/16/23 09:56	03/17/23 22:12	1
1,4-Difluorobenzene (Surr)	92		70 - 130	03/16/23 09:56	03/17/23 22:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00402	0.00102	mg/Kg			03/19/23 17:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	43.5	J	49.9	15.0	mg/Kg			03/09/23 12:20	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	25.1	J B	49.9	15.0	mg/Kg		03/08/23 13:56	03/08/23 21:50	1
Diesel Range Organics (Over C10-C28)	18.4	J B	49.9	15.0	mg/Kg		03/08/23 13:56	03/08/23 21:50	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/08/23 13:56	03/08/23 21:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	03/08/23 13:56	03/08/23 21:50	1
o-Terphenyl	109		70 - 130	03/08/23 13:56	03/08/23 21:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	252		4.96	0.392	mg/Kg			03/08/23 21:09	1

Client Sample ID: C-2

Lab Sample ID: 890-4245-2

Date Collected: 03/07/23 08:16

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 7'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000389	U	0.00202	0.000389	mg/Kg		03/16/23 09:56	03/17/23 22:33	1
Toluene	<0.000461	U	0.00202	0.000461	mg/Kg		03/16/23 09:56	03/17/23 22:33	1
Ethylbenzene	<0.000571	U	0.00202	0.000571	mg/Kg		03/16/23 09:56	03/17/23 22:33	1
m-Xylene & p-Xylene	<0.00102	U **	0.00404	0.00102	mg/Kg		03/16/23 09:56	03/17/23 22:33	1
o-Xylene	<0.000347	U **	0.00202	0.000347	mg/Kg		03/16/23 09:56	03/17/23 22:33	1
Xylenes, Total	<0.00102	U **	0.00404	0.00102	mg/Kg		03/16/23 09:56	03/17/23 22:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	03/16/23 09:56	03/17/23 22:33	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Client Sample ID: C-2

Lab Sample ID: 890-4245-2

Date Collected: 03/07/23 08:16

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 7'

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	88		70 - 130	03/16/23 09:56	03/17/23 22:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00404	0.00102	mg/Kg			03/19/23 17:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	61.3		50.0	15.0	mg/Kg			03/09/23 12:20	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	44.5	J B	50.0	15.0	mg/Kg		03/08/23 13:56	03/08/23 22:55	1
Diesel Range Organics (Over C10-C28)	16.8	J B	50.0	15.0	mg/Kg		03/08/23 13:56	03/08/23 22:55	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/08/23 13:56	03/08/23 22:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				03/08/23 13:56	03/08/23 22:55	1
o-Terphenyl	105		70 - 130				03/08/23 13:56	03/08/23 22:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	186		4.95	0.391	mg/Kg			03/08/23 21:27	1

Client Sample ID: C-3

Lab Sample ID: 890-4245-3

Date Collected: 03/07/23 08:19

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 7'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		03/16/23 09:56	03/17/23 22:53	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg		03/16/23 09:56	03/17/23 22:53	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		03/16/23 09:56	03/17/23 22:53	1
m-Xylene & p-Xylene	<0.00101	U **	0.00398	0.00101	mg/Kg		03/16/23 09:56	03/17/23 22:53	1
o-Xylene	<0.000343	U **	0.00199	0.000343	mg/Kg		03/16/23 09:56	03/17/23 22:53	1
Xylenes, Total	<0.00101	U **	0.00398	0.00101	mg/Kg		03/16/23 09:56	03/17/23 22:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	03/16/23 09:56	03/17/23 22:53	1
1,4-Difluorobenzene (Surr)	87		70 - 130	03/16/23 09:56	03/17/23 22:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00398	0.00101	mg/Kg			03/19/23 17:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	44.4	J	49.9	15.0	mg/Kg			03/09/23 12:20	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Client Sample ID: C-3

Lab Sample ID: 890-4245-3

Date Collected: 03/07/23 08:19

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 7'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	25.1	J B	49.9	15.0	mg/Kg		03/08/23 13:56	03/08/23 23:17	1
Diesel Range Organics (Over C10-C28)	19.3	J B	49.9	15.0	mg/Kg		03/08/23 13:56	03/08/23 23:17	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/08/23 13:56	03/08/23 23:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				03/08/23 13:56	03/08/23 23:17	1
o-Terphenyl	105		70 - 130				03/08/23 13:56	03/08/23 23:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	982		5.00	0.395	mg/Kg			03/08/23 21:33	1

Client Sample ID: C-4

Lab Sample ID: 890-4245-4

Date Collected: 03/07/23 08:23

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 7'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000386	U	0.00200	0.000386	mg/Kg		03/16/23 09:56	03/17/23 23:14	1
Toluene	<0.000457	U	0.00200	0.000457	mg/Kg		03/16/23 09:56	03/17/23 23:14	1
Ethylbenzene	<0.000566	U	0.00200	0.000566	mg/Kg		03/16/23 09:56	03/17/23 23:14	1
m-Xylene & p-Xylene	<0.00101	U **	0.00401	0.00101	mg/Kg		03/16/23 09:56	03/17/23 23:14	1
o-Xylene	<0.000345	U **	0.00200	0.000345	mg/Kg		03/16/23 09:56	03/17/23 23:14	1
Xylenes, Total	<0.00101	U **	0.00401	0.00101	mg/Kg		03/16/23 09:56	03/17/23 23:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				03/16/23 09:56	03/17/23 23:14	1
1,4-Difluorobenzene (Surr)	88		70 - 130				03/16/23 09:56	03/17/23 23:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00401	0.00101	mg/Kg			03/19/23 17:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	57.0		50.0	15.0	mg/Kg			03/09/23 12:20	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	35.4	J B	50.0	15.0	mg/Kg		03/08/23 13:56	03/08/23 23:39	1
Diesel Range Organics (Over C10-C28)	21.6	J B	50.0	15.0	mg/Kg		03/08/23 13:56	03/08/23 23:39	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/08/23 13:56	03/08/23 23:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				03/08/23 13:56	03/08/23 23:39	1
o-Terphenyl	107		70 - 130				03/08/23 13:56	03/08/23 23:39	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Client Sample ID: C-4

Lab Sample ID: 890-4245-4

Date Collected: 03/07/23 08:23

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 7'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	862		4.99	0.394	mg/Kg			03/08/23 21:39	1

Client Sample ID: C-5

Lab Sample ID: 890-4245-5

Date Collected: 03/07/23 08:27

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 7'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		03/16/23 09:56	03/17/23 23:34	1
Toluene	0.0230		0.00199	0.000453	mg/Kg		03/16/23 09:56	03/17/23 23:34	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		03/16/23 09:56	03/17/23 23:34	1
m-Xylene & p-Xylene	<0.00100	U **	0.00398	0.00100	mg/Kg		03/16/23 09:56	03/17/23 23:34	1
o-Xylene	<0.000342	U **	0.00199	0.000342	mg/Kg		03/16/23 09:56	03/17/23 23:34	1
Xylenes, Total	<0.00100	U **	0.00398	0.00100	mg/Kg		03/16/23 09:56	03/17/23 23:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				03/16/23 09:56	03/17/23 23:34	1
1,4-Difluorobenzene (Surr)	92		70 - 130				03/16/23 09:56	03/17/23 23:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0230		0.00398	0.00100	mg/Kg			03/19/23 17:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	61.9		49.9	15.0	mg/Kg			03/09/23 12:20	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	36.7	J B	49.9	15.0	mg/Kg		03/08/23 13:56	03/08/23 23:59	1
Diesel Range Organics (Over C10-C28)	25.2	J B	49.9	15.0	mg/Kg		03/08/23 13:56	03/08/23 23:59	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/08/23 13:56	03/08/23 23:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				03/08/23 13:56	03/08/23 23:59	1
o-Terphenyl	101		70 - 130				03/08/23 13:56	03/08/23 23:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1580		24.9	1.96	mg/Kg			03/08/23 21:46	5

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Client Sample ID: C-6

Lab Sample ID: 890-4245-6

Date Collected: 03/07/23 08:35

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 7'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg		03/16/23 09:56	03/17/23 23:55	1
Toluene	0.0100		0.00200	0.000455	mg/Kg		03/16/23 09:56	03/17/23 23:55	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		03/16/23 09:56	03/17/23 23:55	1
m-Xylene & p-Xylene	<0.00101	U **	0.00399	0.00101	mg/Kg		03/16/23 09:56	03/17/23 23:55	1
o-Xylene	<0.000343	U **	0.00200	0.000343	mg/Kg		03/16/23 09:56	03/17/23 23:55	1
Xylenes, Total	<0.00101	U **	0.00399	0.00101	mg/Kg		03/16/23 09:56	03/17/23 23:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				03/16/23 09:56	03/17/23 23:55	1
1,4-Difluorobenzene (Surr)	88		70 - 130				03/16/23 09:56	03/17/23 23:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0100		0.00399	0.00101	mg/Kg			03/19/23 17:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	53.6		49.9	15.0	mg/Kg			03/09/23 12:20	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	29.6	J B	49.9	15.0	mg/Kg		03/08/23 13:56	03/09/23 00:19	1
Diesel Range Organics (Over C10-C28)	24.0	J B	49.9	15.0	mg/Kg		03/08/23 13:56	03/09/23 00:19	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/08/23 13:56	03/09/23 00:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				03/08/23 13:56	03/09/23 00:19	1
o-Terphenyl	101		70 - 130				03/08/23 13:56	03/09/23 00:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1540		24.9	1.97	mg/Kg			03/08/23 22:04	5

Client Sample ID: C-7

Lab Sample ID: 890-4245-7

Date Collected: 03/07/23 08:45

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 7'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg		03/16/23 09:56	03/18/23 00:15	1
Toluene	0.0124		0.00201	0.000459	mg/Kg		03/16/23 09:56	03/18/23 00:15	1
Ethylbenzene	<0.000568	U	0.00201	0.000568	mg/Kg		03/16/23 09:56	03/18/23 00:15	1
m-Xylene & p-Xylene	<0.00102	U **	0.00402	0.00102	mg/Kg		03/16/23 09:56	03/18/23 00:15	1
o-Xylene	<0.000346	U **	0.00201	0.000346	mg/Kg		03/16/23 09:56	03/18/23 00:15	1
Xylenes, Total	<0.00102	U **	0.00402	0.00102	mg/Kg		03/16/23 09:56	03/18/23 00:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				03/16/23 09:56	03/18/23 00:15	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Client Sample ID: C-7

Lab Sample ID: 890-4245-7

Date Collected: 03/07/23 08:45

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 7'

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	85		70 - 130	03/16/23 09:56	03/18/23 00:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0124		0.00402	0.00102	mg/Kg			03/19/23 17:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	63.5		49.9	15.0	mg/Kg			03/09/23 12:20	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	40.8	J B	49.9	15.0	mg/Kg		03/08/23 13:56	03/09/23 00:40	1
Diesel Range Organics (Over C10-C28)	22.7	J B	49.9	15.0	mg/Kg		03/08/23 13:56	03/09/23 00:40	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/08/23 13:56	03/09/23 00:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				03/08/23 13:56	03/09/23 00:40	1
o-Terphenyl	106		70 - 130				03/08/23 13:56	03/09/23 00:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	803		5.00	0.395	mg/Kg			03/08/23 22:10	1

Client Sample ID: C-8

Lab Sample ID: 890-4245-8

Date Collected: 03/07/23 08:49

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 7'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000389	U	0.00202	0.000389	mg/Kg		03/16/23 09:56	03/18/23 00:36	1
Toluene	0.00358		0.00202	0.000461	mg/Kg		03/16/23 09:56	03/18/23 00:36	1
Ethylbenzene	<0.000571	U	0.00202	0.000571	mg/Kg		03/16/23 09:56	03/18/23 00:36	1
m-Xylene & p-Xylene	<0.00102	U **	0.00404	0.00102	mg/Kg		03/16/23 09:56	03/18/23 00:36	1
o-Xylene	<0.000347	U **	0.00202	0.000347	mg/Kg		03/16/23 09:56	03/18/23 00:36	1
Xylenes, Total	<0.00102	U **	0.00404	0.00102	mg/Kg		03/16/23 09:56	03/18/23 00:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130	03/16/23 09:56	03/18/23 00:36	1
1,4-Difluorobenzene (Surr)	66	S1-	70 - 130	03/16/23 09:56	03/18/23 00:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00358	J	0.00404	0.00102	mg/Kg			03/19/23 17:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	50.3		50.0	15.0	mg/Kg			03/09/23 12:20	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Client Sample ID: C-8

Lab Sample ID: 890-4245-8

Date Collected: 03/07/23 08:49

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 7'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	24.4	J B	50.0	15.0	mg/Kg		03/08/23 13:56	03/09/23 01:01	1
Diesel Range Organics (Over C10-C28)	25.9	J B	50.0	15.0	mg/Kg		03/08/23 13:56	03/09/23 01:01	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/08/23 13:56	03/09/23 01:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				03/08/23 13:56	03/09/23 01:01	1
o-Terphenyl	104		70 - 130				03/08/23 13:56	03/09/23 01:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1120		4.95	0.391	mg/Kg			03/08/23 22:16	1

Client Sample ID: C-9

Lab Sample ID: 890-4245-9

Date Collected: 03/07/23 09:03

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 7'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000381	U	0.00198	0.000381	mg/Kg		03/16/23 09:56	03/18/23 00:56	1
Toluene	0.00784		0.00198	0.000451	mg/Kg		03/16/23 09:56	03/18/23 00:56	1
Ethylbenzene	<0.000559	U	0.00198	0.000559	mg/Kg		03/16/23 09:56	03/18/23 00:56	1
m-Xylene & p-Xylene	<0.00100	U **	0.00396	0.00100	mg/Kg		03/16/23 09:56	03/18/23 00:56	1
o-Xylene	<0.000341	U **	0.00198	0.000341	mg/Kg		03/16/23 09:56	03/18/23 00:56	1
Xylenes, Total	<0.00100	U **	0.00396	0.00100	mg/Kg		03/16/23 09:56	03/18/23 00:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				03/16/23 09:56	03/18/23 00:56	1
1,4-Difluorobenzene (Surr)	80		70 - 130				03/16/23 09:56	03/18/23 00:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00784		0.00396	0.00100	mg/Kg			03/19/23 17:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	47.3	J	50.0	15.0	mg/Kg			03/09/23 12:20	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	25.1	J B	50.0	15.0	mg/Kg		03/08/23 13:56	03/09/23 01:21	1
Diesel Range Organics (Over C10-C28)	22.2	J B	50.0	15.0	mg/Kg		03/08/23 13:56	03/09/23 01:21	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/08/23 13:56	03/09/23 01:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				03/08/23 13:56	03/09/23 01:21	1
o-Terphenyl	100		70 - 130				03/08/23 13:56	03/09/23 01:21	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Client Sample ID: C-9

Lab Sample ID: 890-4245-9

Date Collected: 03/07/23 09:03

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 7'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	795		4.99	0.394	mg/Kg			03/08/23 22:22	1

Client Sample ID: C-10

Lab Sample ID: 890-4245-10

Date Collected: 03/07/23 09:05

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 7'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		03/16/23 09:56	03/18/23 01:17	1
Toluene	0.000757	J	0.00199	0.000453	mg/Kg		03/16/23 09:56	03/18/23 01:17	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		03/16/23 09:56	03/18/23 01:17	1
m-Xylene & p-Xylene	<0.00100	U **	0.00398	0.00100	mg/Kg		03/16/23 09:56	03/18/23 01:17	1
o-Xylene	<0.000342	U **	0.00199	0.000342	mg/Kg		03/16/23 09:56	03/18/23 01:17	1
Xylenes, Total	<0.00100	U **	0.00398	0.00100	mg/Kg		03/16/23 09:56	03/18/23 01:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				03/16/23 09:56	03/18/23 01:17	1
1,4-Difluorobenzene (Surr)	84		70 - 130				03/16/23 09:56	03/18/23 01:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00398	0.00100	mg/Kg			03/19/23 17:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	53.8		49.9	15.0	mg/Kg			03/09/23 12:20	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	32.3	J B	49.9	15.0	mg/Kg		03/08/23 13:56	03/09/23 01:41	1
Diesel Range Organics (Over C10-C28)	21.5	J B	49.9	15.0	mg/Kg		03/08/23 13:56	03/09/23 01:41	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/08/23 13:56	03/09/23 01:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				03/08/23 13:56	03/09/23 01:41	1
o-Terphenyl	98		70 - 130				03/08/23 13:56	03/09/23 01:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	387		5.01	0.396	mg/Kg			03/08/23 22:29	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Client Sample ID: C-11

Lab Sample ID: 890-4245-11

Date Collected: 03/07/23 09:12

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 7'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg		03/16/23 09:56	03/18/23 02:39	1
Toluene	0.00193	J	0.00200	0.000455	mg/Kg		03/16/23 09:56	03/18/23 02:39	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		03/16/23 09:56	03/18/23 02:39	1
m-Xylene & p-Xylene	<0.00101	U **	0.00399	0.00101	mg/Kg		03/16/23 09:56	03/18/23 02:39	1
o-Xylene	<0.000343	U **	0.00200	0.000343	mg/Kg		03/16/23 09:56	03/18/23 02:39	1
Xylenes, Total	<0.00101	U **	0.00399	0.00101	mg/Kg		03/16/23 09:56	03/18/23 02:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				03/16/23 09:56	03/18/23 02:39	1
1,4-Difluorobenzene (Surr)	92		70 - 130				03/16/23 09:56	03/18/23 02:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00193	J	0.00399	0.00101	mg/Kg			03/19/23 17:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	59.5		49.9	15.0	mg/Kg			03/09/23 12:20	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	37.7	J B	49.9	15.0	mg/Kg		03/08/23 13:56	03/09/23 02:22	1
Diesel Range Organics (Over C10-C28)	21.8	J B	49.9	15.0	mg/Kg		03/08/23 13:56	03/09/23 02:22	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/08/23 13:56	03/09/23 02:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				03/08/23 13:56	03/09/23 02:22	1
o-Terphenyl	95		70 - 130				03/08/23 13:56	03/09/23 02:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	359	F1	4.98	0.393	mg/Kg			03/08/23 22:35	1

Client Sample ID: C-12

Lab Sample ID: 890-4245-12

Date Collected: 03/07/23 09:19

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 7'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg		03/16/23 09:56	03/18/23 03:00	1
Toluene	0.00293		0.00201	0.000458	mg/Kg		03/16/23 09:56	03/18/23 03:00	1
Ethylbenzene	<0.000567	U	0.00201	0.000567	mg/Kg		03/16/23 09:56	03/18/23 03:00	1
m-Xylene & p-Xylene	<0.00101	U **	0.00402	0.00101	mg/Kg		03/16/23 09:56	03/18/23 03:00	1
o-Xylene	<0.000345	U **	0.00201	0.000345	mg/Kg		03/16/23 09:56	03/18/23 03:00	1
Xylenes, Total	<0.00101	U **	0.00402	0.00101	mg/Kg		03/16/23 09:56	03/18/23 03:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130				03/16/23 09:56	03/18/23 03:00	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Client Sample ID: C-12

Lab Sample ID: 890-4245-12

Date Collected: 03/07/23 09:19

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 7'

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	92		70 - 130	03/16/23 09:56	03/18/23 03:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00293	J	0.00402	0.00101	mg/Kg			03/19/23 17:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	59.0		50.0	15.0	mg/Kg			03/09/23 12:20	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	36.7	J B	50.0	15.0	mg/Kg		03/08/23 13:56	03/09/23 02:42	1
Diesel Range Organics (Over C10-C28)	22.3	J B	50.0	15.0	mg/Kg		03/08/23 13:56	03/09/23 02:42	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/08/23 13:56	03/09/23 02:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				03/08/23 13:56	03/09/23 02:42	1
o-Terphenyl	98		70 - 130				03/08/23 13:56	03/09/23 02:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	663		4.99	0.394	mg/Kg			03/08/23 22:53	1

Client Sample ID: C-13

Lab Sample ID: 890-4245-13

Date Collected: 03/07/23 09:25

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 7'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000381	U	0.00198	0.000381	mg/Kg		03/16/23 09:56	03/18/23 03:20	1
Toluene	0.00985		0.00198	0.000451	mg/Kg		03/16/23 09:56	03/18/23 03:20	1
Ethylbenzene	<0.000559	U	0.00198	0.000559	mg/Kg		03/16/23 09:56	03/18/23 03:20	1
m-Xylene & p-Xylene	<0.00100	U **	0.00396	0.00100	mg/Kg		03/16/23 09:56	03/18/23 03:20	1
o-Xylene	<0.000341	U **	0.00198	0.000341	mg/Kg		03/16/23 09:56	03/18/23 03:20	1
Xylenes, Total	<0.00100	U **	0.00396	0.00100	mg/Kg		03/16/23 09:56	03/18/23 03:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	03/16/23 09:56	03/18/23 03:20	1
1,4-Difluorobenzene (Surr)	87		70 - 130	03/16/23 09:56	03/18/23 03:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00985		0.00396	0.00100	mg/Kg			03/19/23 17:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	63.3		49.9	15.0	mg/Kg			03/09/23 12:20	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Client Sample ID: C-13

Lab Sample ID: 890-4245-13

Date Collected: 03/07/23 09:25

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 7'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	38.4	J B	49.9	15.0	mg/Kg		03/08/23 13:56	03/09/23 03:02	1
Diesel Range Organics (Over C10-C28)	24.9	J B	49.9	15.0	mg/Kg		03/08/23 13:56	03/09/23 03:02	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/08/23 13:56	03/09/23 03:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				03/08/23 13:56	03/09/23 03:02	1
o-Terphenyl	100		70 - 130				03/08/23 13:56	03/09/23 03:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1030		5.04	0.398	mg/Kg			03/08/23 22:59	1

Client Sample ID: C-14

Lab Sample ID: 890-4245-14

Date Collected: 03/07/23 09:36

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 7'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		03/16/23 09:56	03/18/23 03:41	1
Toluene	0.000556	J	0.00199	0.000453	mg/Kg		03/16/23 09:56	03/18/23 03:41	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		03/16/23 09:56	03/18/23 03:41	1
m-Xylene & p-Xylene	<0.00100	U **	0.00398	0.00100	mg/Kg		03/16/23 09:56	03/18/23 03:41	1
o-Xylene	<0.000342	U **	0.00199	0.000342	mg/Kg		03/16/23 09:56	03/18/23 03:41	1
Xylenes, Total	<0.00100	U **	0.00398	0.00100	mg/Kg		03/16/23 09:56	03/18/23 03:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				03/16/23 09:56	03/18/23 03:41	1
1,4-Difluorobenzene (Surr)	71		70 - 130				03/16/23 09:56	03/18/23 03:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00398	0.00100	mg/Kg			03/19/23 17:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	54.8		49.9	15.0	mg/Kg			03/09/23 12:20	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	33.9	J B	49.9	15.0	mg/Kg		03/08/23 13:56	03/09/23 03:22	1
Diesel Range Organics (Over C10-C28)	20.9	J B	49.9	15.0	mg/Kg		03/08/23 13:56	03/09/23 03:22	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/08/23 13:56	03/09/23 03:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				03/08/23 13:56	03/09/23 03:22	1
o-Terphenyl	96		70 - 130				03/08/23 13:56	03/09/23 03:22	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Client Sample ID: C-14

Lab Sample ID: 890-4245-14

Date Collected: 03/07/23 09:36

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 7'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1460		25.1	1.98	mg/Kg			03/08/23 23:18	5

Client Sample ID: C-15

Lab Sample ID: 890-4245-15

Date Collected: 03/07/23 09:41

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		03/16/23 09:56	03/18/23 04:01	1
Toluene	0.00277		0.00199	0.000454	mg/Kg		03/16/23 09:56	03/18/23 04:01	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		03/16/23 09:56	03/18/23 04:01	1
m-Xylene & p-Xylene	<0.00101	U *+	0.00398	0.00101	mg/Kg		03/16/23 09:56	03/18/23 04:01	1
o-Xylene	0.00159	J *+	0.00199	0.000343	mg/Kg		03/16/23 09:56	03/18/23 04:01	1
Xylenes, Total	0.00159	J *+	0.00398	0.00101	mg/Kg		03/16/23 09:56	03/18/23 04:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130				03/16/23 09:56	03/18/23 04:01	1
1,4-Difluorobenzene (Surr)	96		70 - 130				03/16/23 09:56	03/18/23 04:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00436		0.00398	0.00101	mg/Kg			03/19/23 17:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	98.0		50.0	15.0	mg/Kg			03/09/23 12:20	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	57.5	B	50.0	15.0	mg/Kg		03/08/23 13:56	03/09/23 03:42	1
Diesel Range Organics (Over C10-C28)	40.5	J B	50.0	15.0	mg/Kg		03/08/23 13:56	03/09/23 03:42	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/08/23 13:56	03/09/23 03:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				03/08/23 13:56	03/09/23 03:42	1
o-Terphenyl	100		70 - 130				03/08/23 13:56	03/09/23 03:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	360		4.99	0.394	mg/Kg			03/08/23 23:24	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Client Sample ID: C-16

Lab Sample ID: 890-4245-16

Date Collected: 03/07/23 09:52

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg		03/16/23 09:56	03/18/23 04:22	1
Toluene	0.00612		0.00200	0.000455	mg/Kg		03/16/23 09:56	03/18/23 04:22	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		03/16/23 09:56	03/18/23 04:22	1
m-Xylene & p-Xylene	<0.00101	U **	0.00399	0.00101	mg/Kg		03/16/23 09:56	03/18/23 04:22	1
o-Xylene	<0.000343	U **	0.00200	0.000343	mg/Kg		03/16/23 09:56	03/18/23 04:22	1
Xylenes, Total	<0.00101	U **	0.00399	0.00101	mg/Kg		03/16/23 09:56	03/18/23 04:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				03/16/23 09:56	03/18/23 04:22	1
1,4-Difluorobenzene (Surr)	78		70 - 130				03/16/23 09:56	03/18/23 04:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00612		0.00399	0.00101	mg/Kg			03/19/23 17:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.2		49.9	15.0	mg/Kg			03/09/23 12:20	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	30.0	J B	49.9	15.0	mg/Kg		03/08/23 13:56	03/09/23 04:02	1
Diesel Range Organics (Over C10-C28)	22.2	J B	49.9	15.0	mg/Kg		03/08/23 13:56	03/09/23 04:02	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/08/23 13:56	03/09/23 04:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				03/08/23 13:56	03/09/23 04:02	1
o-Terphenyl	92		70 - 130				03/08/23 13:56	03/09/23 04:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	550		4.98	0.393	mg/Kg			03/08/23 23:30	1

Client Sample ID: C-17

Lab Sample ID: 890-4245-17

Date Collected: 03/07/23 10:01

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg		03/16/23 09:56	03/18/23 04:42	1
Toluene	0.00190	J	0.00201	0.000458	mg/Kg		03/16/23 09:56	03/18/23 04:42	1
Ethylbenzene	<0.000567	U	0.00201	0.000567	mg/Kg		03/16/23 09:56	03/18/23 04:42	1
m-Xylene & p-Xylene	<0.00101	U **	0.00402	0.00101	mg/Kg		03/16/23 09:56	03/18/23 04:42	1
o-Xylene	<0.000345	U **	0.00201	0.000345	mg/Kg		03/16/23 09:56	03/18/23 04:42	1
Xylenes, Total	<0.00101	U **	0.00402	0.00101	mg/Kg		03/16/23 09:56	03/18/23 04:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				03/16/23 09:56	03/18/23 04:42	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Client Sample ID: C-17

Lab Sample ID: 890-4245-17

Date Collected: 03/07/23 10:01

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 5'

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	85		70 - 130	03/16/23 09:56	03/18/23 04:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00190	J	0.00402	0.00101	mg/Kg			03/19/23 17:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	65.6		49.9	15.0	mg/Kg			03/09/23 12:20	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	38.1	J B	49.9	15.0	mg/Kg		03/08/23 13:56	03/09/23 04:23	1
Diesel Range Organics (Over C10-C28)	27.5	J B	49.9	15.0	mg/Kg		03/08/23 13:56	03/09/23 04:23	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/08/23 13:56	03/09/23 04:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				03/08/23 13:56	03/09/23 04:23	1
o-Terphenyl	104		70 - 130				03/08/23 13:56	03/09/23 04:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	553		5.00	0.395	mg/Kg			03/08/23 23:36	1

Client Sample ID: C-18

Lab Sample ID: 890-4245-18

Date Collected: 03/07/23 10:09

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg		03/16/23 09:56	03/18/23 05:03	1
Toluene	0.0158		0.00201	0.000458	mg/Kg		03/16/23 09:56	03/18/23 05:03	1
Ethylbenzene	<0.000567	U	0.00201	0.000567	mg/Kg		03/16/23 09:56	03/18/23 05:03	1
m-Xylene & p-Xylene	<0.00101	U **	0.00402	0.00101	mg/Kg		03/16/23 09:56	03/18/23 05:03	1
o-Xylene	0.000431	J **	0.00201	0.000345	mg/Kg		03/16/23 09:56	03/18/23 05:03	1
Xylenes, Total	<0.00101	U **	0.00402	0.00101	mg/Kg		03/16/23 09:56	03/18/23 05:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	03/16/23 09:56	03/18/23 05:03	1
1,4-Difluorobenzene (Surr)	81		70 - 130	03/16/23 09:56	03/18/23 05:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0162		0.00402	0.00101	mg/Kg			03/19/23 17:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	57.3		50.0	15.0	mg/Kg			03/09/23 12:20	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Client Sample ID: C-18

Lab Sample ID: 890-4245-18

Date Collected: 03/07/23 10:09

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 5'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	34.0	J B	50.0	15.0	mg/Kg		03/08/23 13:56	03/09/23 04:43	1
Diesel Range Organics (Over C10-C28)	23.3	J B	50.0	15.0	mg/Kg		03/08/23 13:56	03/09/23 04:43	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/08/23 13:56	03/09/23 04:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				03/08/23 13:56	03/09/23 04:43	1
o-Terphenyl	98		70 - 130				03/08/23 13:56	03/09/23 04:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1610		24.9	1.96	mg/Kg			03/08/23 23:42	5

Client Sample ID: C-19

Lab Sample ID: 890-4245-19

Date Collected: 03/07/23 10:15

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000388	U	0.00202	0.000388	mg/Kg		03/16/23 09:56	03/18/23 05:23	1
Toluene	0.00230		0.00202	0.000460	mg/Kg		03/16/23 09:56	03/18/23 05:23	1
Ethylbenzene	<0.000570	U	0.00202	0.000570	mg/Kg		03/16/23 09:56	03/18/23 05:23	1
m-Xylene & p-Xylene	<0.00102	U **	0.00403	0.00102	mg/Kg		03/16/23 09:56	03/18/23 05:23	1
o-Xylene	<0.000347	U **	0.00202	0.000347	mg/Kg		03/16/23 09:56	03/18/23 05:23	1
Xylenes, Total	<0.00102	U **	0.00403	0.00102	mg/Kg		03/16/23 09:56	03/18/23 05:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				03/16/23 09:56	03/18/23 05:23	1
1,4-Difluorobenzene (Surr)	84		70 - 130				03/16/23 09:56	03/18/23 05:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00230	J	0.00403	0.00102	mg/Kg			03/19/23 17:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	63.1		49.9	15.0	mg/Kg			03/09/23 12:20	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	38.5	J B	49.9	15.0	mg/Kg		03/08/23 13:56	03/09/23 05:03	1
Diesel Range Organics (Over C10-C28)	24.6	J B	49.9	15.0	mg/Kg		03/08/23 13:56	03/09/23 05:03	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/08/23 13:56	03/09/23 05:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				03/08/23 13:56	03/09/23 05:03	1
o-Terphenyl	105		70 - 130				03/08/23 13:56	03/09/23 05:03	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Client Sample ID: C-19

Lab Sample ID: 890-4245-19

Date Collected: 03/07/23 10:15

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	657		5.00	0.395	mg/Kg			03/08/23 23:49	1

Client Sample ID: C-20

Lab Sample ID: 890-4245-20

Date Collected: 03/07/23 10:25

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		03/16/23 09:56	03/18/23 05:44	1
Toluene	0.00155	J	0.00199	0.000454	mg/Kg		03/16/23 09:56	03/18/23 05:44	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		03/16/23 09:56	03/18/23 05:44	1
m-Xylene & p-Xylene	<0.00101	U **	0.00398	0.00101	mg/Kg		03/16/23 09:56	03/18/23 05:44	1
o-Xylene	<0.000343	U **	0.00199	0.000343	mg/Kg		03/16/23 09:56	03/18/23 05:44	1
Xylenes, Total	<0.00101	U **	0.00398	0.00101	mg/Kg		03/16/23 09:56	03/18/23 05:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				03/16/23 09:56	03/18/23 05:44	1
1,4-Difluorobenzene (Surr)	87		70 - 130				03/16/23 09:56	03/18/23 05:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00155	J	0.00398	0.00101	mg/Kg			03/19/23 17:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	62.1		50.0	15.0	mg/Kg			03/09/23 12:20	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	37.7	J B	50.0	15.0	mg/Kg		03/08/23 13:56	03/09/23 05:23	1
Diesel Range Organics (Over C10-C28)	24.4	J B	50.0	15.0	mg/Kg		03/08/23 13:56	03/09/23 05:23	1
OII Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/08/23 13:56	03/09/23 05:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				03/08/23 13:56	03/09/23 05:23	1
o-Terphenyl	100		70 - 130				03/08/23 13:56	03/09/23 05:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1910		24.8	1.96	mg/Kg			03/08/23 23:55	5

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Client Sample ID: C-21

Lab Sample ID: 890-4245-21

Date Collected: 03/07/23 10:29

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000381	U	0.00198	0.000381	mg/Kg		03/16/23 10:29	03/17/23 11:35	1
Toluene	<0.000451	U	0.00198	0.000451	mg/Kg		03/16/23 10:29	03/17/23 11:35	1
Ethylbenzene	<0.000559	U	0.00198	0.000559	mg/Kg		03/16/23 10:29	03/17/23 11:35	1
m-Xylene & p-Xylene	<0.00100	U	0.00396	0.00100	mg/Kg		03/16/23 10:29	03/17/23 11:35	1
o-Xylene	0.000343	J B	0.00198	0.000341	mg/Kg		03/16/23 10:29	03/17/23 11:35	1
Xylenes, Total	<0.00100	U	0.00396	0.00100	mg/Kg		03/16/23 10:29	03/17/23 11:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	03/16/23 10:29	03/17/23 11:35	1
1,4-Difluorobenzene (Surr)	87		70 - 130	03/16/23 10:29	03/17/23 11:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00396	0.00100	mg/Kg			03/19/23 17:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	352		49.9	15.0	mg/Kg			03/10/23 18:04	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	39.0	J	49.9	15.0	mg/Kg		03/09/23 10:49	03/09/23 23:34	1
Diesel Range Organics (Over C10-C28)	262	B	49.9	15.0	mg/Kg		03/09/23 10:49	03/09/23 23:34	1
Oil Range Organics (Over C28-C36)	50.7		49.9	15.0	mg/Kg		03/09/23 10:49	03/09/23 23:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	03/09/23 10:49	03/09/23 23:34	1
o-Terphenyl	123		70 - 130	03/09/23 10:49	03/09/23 23:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	450	B	4.95	0.391	mg/Kg			03/09/23 04:20	1

Client Sample ID: SW-1

Lab Sample ID: 890-4245-22

Date Collected: 03/07/23 10:35

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 3'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000388	U	0.00202	0.000388	mg/Kg		03/16/23 10:29	03/17/23 11:56	1
Toluene	<0.000460	U	0.00202	0.000460	mg/Kg		03/16/23 10:29	03/17/23 11:56	1
Ethylbenzene	<0.000570	U	0.00202	0.000570	mg/Kg		03/16/23 10:29	03/17/23 11:56	1
m-Xylene & p-Xylene	<0.00102	U	0.00403	0.00102	mg/Kg		03/16/23 10:29	03/17/23 11:56	1
o-Xylene	0.00365	B	0.00202	0.000347	mg/Kg		03/16/23 10:29	03/17/23 11:56	1
Xylenes, Total	0.00365	J	0.00403	0.00102	mg/Kg		03/16/23 10:29	03/17/23 11:56	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Client Sample ID: SW-1

Lab Sample ID: 890-4245-22

Date Collected: 03/07/23 10:35

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 3'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	03/16/23 10:29	03/17/23 11:56	1
1,4-Difluorobenzene (Surr)	92		70 - 130	03/16/23 10:29	03/17/23 11:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00365	J	0.00403	0.00102	mg/Kg			03/19/23 17:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	49.6	J	49.9	15.0	mg/Kg			03/10/23 18:04	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	29.9	J	49.9	15.0	mg/Kg		03/09/23 10:49	03/09/23 23:56	1
Diesel Range Organics (Over C10-C28)	19.7	J B	49.9	15.0	mg/Kg		03/09/23 10:49	03/09/23 23:56	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/09/23 10:49	03/09/23 23:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	03/09/23 10:49	03/09/23 23:56	1
o-Terphenyl	105		70 - 130	03/09/23 10:49	03/09/23 23:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	477	B	4.98	0.393	mg/Kg			03/09/23 04:38	1

Client Sample ID: SW-2

Lab Sample ID: 890-4245-23

Date Collected: 03/07/23 10:42

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 3'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg		03/16/23 10:29	03/17/23 12:16	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		03/16/23 10:29	03/17/23 12:16	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		03/16/23 10:29	03/17/23 12:16	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		03/16/23 10:29	03/17/23 12:16	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		03/16/23 10:29	03/17/23 12:16	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		03/16/23 10:29	03/17/23 12:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	03/16/23 10:29	03/17/23 12:16	1
1,4-Difluorobenzene (Surr)	88		70 - 130	03/16/23 10:29	03/17/23 12:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00399	0.00101	mg/Kg			03/19/23 17:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	46.6	J	49.9	15.0	mg/Kg			03/10/23 18:04	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Client Sample ID: SW-2

Lab Sample ID: 890-4245-23

Date Collected: 03/07/23 10:42

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 3'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	28.2	J	49.9	15.0	mg/Kg		03/09/23 10:49	03/10/23 00:17	1
Diesel Range Organics (Over C10-C28)	18.4	J B	49.9	15.0	mg/Kg		03/09/23 10:49	03/10/23 00:17	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/09/23 10:49	03/10/23 00:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				03/09/23 10:49	03/10/23 00:17	1
o-Terphenyl	108		70 - 130				03/09/23 10:49	03/10/23 00:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1200	B	4.97	0.393	mg/Kg			03/09/23 04:44	1

Client Sample ID: SW-3

Lab Sample ID: 890-4245-24

Date Collected: 03/07/23 10:49

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 3'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		03/16/23 10:29	03/17/23 12:37	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg		03/16/23 10:29	03/17/23 12:37	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		03/16/23 10:29	03/17/23 12:37	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg		03/16/23 10:29	03/17/23 12:37	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		03/16/23 10:29	03/17/23 12:37	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		03/16/23 10:29	03/17/23 12:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130				03/16/23 10:29	03/17/23 12:37	1
1,4-Difluorobenzene (Surr)	86		70 - 130				03/16/23 10:29	03/17/23 12:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00398	0.00101	mg/Kg			03/19/23 17:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	45.4	J	50.0	15.0	mg/Kg			03/10/23 18:04	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	28.7	J	50.0	15.0	mg/Kg		03/09/23 10:49	03/10/23 00:38	1
Diesel Range Organics (Over C10-C28)	16.7	J B	50.0	15.0	mg/Kg		03/09/23 10:49	03/10/23 00:38	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/09/23 10:49	03/10/23 00:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				03/09/23 10:49	03/10/23 00:38	1
o-Terphenyl	106		70 - 130				03/09/23 10:49	03/10/23 00:38	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Client Sample ID: SW-3

Lab Sample ID: 890-4245-24

Date Collected: 03/07/23 10:49

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 3'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	639	B	4.96	0.392	mg/Kg			03/09/23 04:50	1

Client Sample ID: SW-4

Lab Sample ID: 890-4245-25

Date Collected: 03/07/23 10:55

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 3'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg		03/16/23 10:29	03/17/23 12:58	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		03/16/23 10:29	03/17/23 12:58	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		03/16/23 10:29	03/17/23 12:58	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		03/16/23 10:29	03/17/23 12:58	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		03/16/23 10:29	03/17/23 12:58	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		03/16/23 10:29	03/17/23 12:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130				03/16/23 10:29	03/17/23 12:58	1
1,4-Difluorobenzene (Surr)	66	S1-	70 - 130				03/16/23 10:29	03/17/23 12:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00399	0.00101	mg/Kg			03/19/23 17:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.9		49.9	15.0	mg/Kg			03/10/23 18:04	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	31.0	J	49.9	15.0	mg/Kg		03/09/23 10:49	03/10/23 01:00	1
Diesel Range Organics (Over C10-C28)	21.9	J B	49.9	15.0	mg/Kg		03/09/23 10:49	03/10/23 01:00	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/09/23 10:49	03/10/23 01:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				03/09/23 10:49	03/10/23 01:00	1
o-Terphenyl	128		70 - 130				03/09/23 10:49	03/10/23 01:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	882	B	4.95	0.391	mg/Kg			03/09/23 04:56	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Client Sample ID: SW-5

Lab Sample ID: 890-4245-26

Date Collected: 03/07/23 11:02

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 3'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg		03/16/23 10:29	03/17/23 13:18	1
Toluene	<0.000459	U	0.00201	0.000459	mg/Kg		03/16/23 10:29	03/17/23 13:18	1
Ethylbenzene	<0.000568	U	0.00201	0.000568	mg/Kg		03/16/23 10:29	03/17/23 13:18	1
m-Xylene & p-Xylene	<0.00102	U	0.00402	0.00102	mg/Kg		03/16/23 10:29	03/17/23 13:18	1
o-Xylene	<0.000346	U	0.00201	0.000346	mg/Kg		03/16/23 10:29	03/17/23 13:18	1
Xylenes, Total	<0.00102	U	0.00402	0.00102	mg/Kg		03/16/23 10:29	03/17/23 13:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	03/16/23 10:29	03/17/23 13:18	1
1,4-Difluorobenzene (Surr)	81		70 - 130	03/16/23 10:29	03/17/23 13:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00402	0.00102	mg/Kg			03/19/23 17:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	47.7	J	50.0	15.0	mg/Kg			03/10/23 18:04	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	27.9	J	50.0	15.0	mg/Kg		03/09/23 10:49	03/10/23 01:21	1
Diesel Range Organics (Over C10-C28)	19.8	J B	50.0	15.0	mg/Kg		03/09/23 10:49	03/10/23 01:21	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/09/23 10:49	03/10/23 01:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	03/09/23 10:49	03/10/23 01:21	1
o-Terphenyl	108		70 - 130	03/09/23 10:49	03/10/23 01:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	471	B	4.97	0.393	mg/Kg			03/09/23 05:15	1

Client Sample ID: SW-6

Lab Sample ID: 890-4245-27

Date Collected: 03/07/23 11:09

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 3'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000389	U	0.00202	0.000389	mg/Kg		03/16/23 10:29	03/17/23 13:39	1
Toluene	<0.000461	U	0.00202	0.000461	mg/Kg		03/16/23 10:29	03/17/23 13:39	1
Ethylbenzene	<0.000571	U	0.00202	0.000571	mg/Kg		03/16/23 10:29	03/17/23 13:39	1
m-Xylene & p-Xylene	<0.00102	U	0.00404	0.00102	mg/Kg		03/16/23 10:29	03/17/23 13:39	1
o-Xylene	<0.000347	U	0.00202	0.000347	mg/Kg		03/16/23 10:29	03/17/23 13:39	1
Xylenes, Total	<0.00102	U	0.00404	0.00102	mg/Kg		03/16/23 10:29	03/17/23 13:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	03/16/23 10:29	03/17/23 13:39	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Client Sample ID: SW-6

Lab Sample ID: 890-4245-27

Date Collected: 03/07/23 11:09

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 3'

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	86		70 - 130	03/16/23 10:29	03/17/23 13:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00404	0.00102	mg/Kg			03/19/23 17:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	50.1		50.0	15.0	mg/Kg			03/10/23 18:04	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	27.4	J	50.0	15.0	mg/Kg		03/09/23 10:49	03/10/23 01:43	1
Diesel Range Organics (Over C10-C28)	22.7	J B	50.0	15.0	mg/Kg		03/09/23 10:49	03/10/23 01:43	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/09/23 10:49	03/10/23 01:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				03/09/23 10:49	03/10/23 01:43	1
o-Terphenyl	106		70 - 130				03/09/23 10:49	03/10/23 01:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	781	B	5.01	0.396	mg/Kg			03/09/23 05:21	1

Client Sample ID: SW-7

Lab Sample ID: 890-4245-28

Date Collected: 03/07/23 11:13

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 3'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000381	U	0.00198	0.000381	mg/Kg		03/16/23 10:29	03/17/23 13:59	1
Toluene	<0.000451	U	0.00198	0.000451	mg/Kg		03/16/23 10:29	03/17/23 13:59	1
Ethylbenzene	<0.000559	U	0.00198	0.000559	mg/Kg		03/16/23 10:29	03/17/23 13:59	1
m-Xylene & p-Xylene	<0.00100	U	0.00396	0.00100	mg/Kg		03/16/23 10:29	03/17/23 13:59	1
o-Xylene	<0.000341	U	0.00198	0.000341	mg/Kg		03/16/23 10:29	03/17/23 13:59	1
Xylenes, Total	<0.00100	U	0.00396	0.00100	mg/Kg		03/16/23 10:29	03/17/23 13:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	03/16/23 10:29	03/17/23 13:59	1
1,4-Difluorobenzene (Surr)	87		70 - 130	03/16/23 10:29	03/17/23 13:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00396	0.00100	mg/Kg			03/19/23 17:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	57.5		50.0	15.0	mg/Kg			03/10/23 18:04	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Client Sample ID: SW-7

Lab Sample ID: 890-4245-28

Date Collected: 03/07/23 11:13

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 3'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	39.8	J	50.0	15.0	mg/Kg		03/09/23 10:49	03/10/23 02:26	1
Diesel Range Organics (Over C10-C28)	17.7	J B	50.0	15.0	mg/Kg		03/09/23 10:49	03/10/23 02:26	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/09/23 10:49	03/10/23 02:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				03/09/23 10:49	03/10/23 02:26	1
o-Terphenyl	105		70 - 130				03/09/23 10:49	03/10/23 02:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	721	B	4.99	0.394	mg/Kg			03/09/23 05:27	1

Client Sample ID: SW-8

Lab Sample ID: 890-4245-29

Date Collected: 03/07/23 11:19

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 3'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		03/16/23 10:29	03/17/23 16:03	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg		03/16/23 10:29	03/17/23 16:03	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		03/16/23 10:29	03/17/23 16:03	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100	mg/Kg		03/16/23 10:29	03/17/23 16:03	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		03/16/23 10:29	03/17/23 16:03	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		03/16/23 10:29	03/17/23 16:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				03/16/23 10:29	03/17/23 16:03	1
1,4-Difluorobenzene (Surr)	91		70 - 130				03/16/23 10:29	03/17/23 16:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00398	0.00100	mg/Kg			03/19/23 17:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	54.3		49.9	15.0	mg/Kg			03/10/23 18:04	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	31.9	J	49.9	15.0	mg/Kg		03/09/23 10:49	03/10/23 02:47	1
Diesel Range Organics (Over C10-C28)	22.4	J B	49.9	15.0	mg/Kg		03/09/23 10:49	03/10/23 02:47	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/09/23 10:49	03/10/23 02:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				03/09/23 10:49	03/10/23 02:47	1
o-Terphenyl	109		70 - 130				03/09/23 10:49	03/10/23 02:47	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Client Sample ID: SW-8

Lab Sample ID: 890-4245-29

Date Collected: 03/07/23 11:19

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 3'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	533	B	4.97	0.393	mg/Kg			03/09/23 05:33	1

Client Sample ID: SW-9

Lab Sample ID: 890-4245-30

Date Collected: 03/07/23 11:24

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 3'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg		03/16/23 10:29	03/17/23 16:24	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		03/16/23 10:29	03/17/23 16:24	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		03/16/23 10:29	03/17/23 16:24	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		03/16/23 10:29	03/17/23 16:24	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		03/16/23 10:29	03/17/23 16:24	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		03/16/23 10:29	03/17/23 16:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130				03/16/23 10:29	03/17/23 16:24	1
1,4-Difluorobenzene (Surr)	72		70 - 130				03/16/23 10:29	03/17/23 16:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00399	0.00101	mg/Kg			03/19/23 17:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	75.4		49.9	15.0	mg/Kg			03/10/23 18:04	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	30.5	J	49.9	15.0	mg/Kg		03/09/23 10:49	03/10/23 03:09	1
Diesel Range Organics (Over C10-C28)	44.9	J B	49.9	15.0	mg/Kg		03/09/23 10:49	03/10/23 03:09	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/09/23 10:49	03/10/23 03:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				03/09/23 10:49	03/10/23 03:09	1
o-Terphenyl	111		70 - 130				03/09/23 10:49	03/10/23 03:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	398	B	4.95	0.391	mg/Kg			03/09/23 05:40	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Client Sample ID: SW-10

Lab Sample ID: 890-4245-31

Date Collected: 03/07/23 11:38

Matrix: Solid

Date Received: 03/07/23 13:38

Sample Depth: 3'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		03/16/23 10:29	03/17/23 16:44	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg		03/16/23 10:29	03/17/23 16:44	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		03/16/23 10:29	03/17/23 16:44	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg		03/16/23 10:29	03/17/23 16:44	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		03/16/23 10:29	03/17/23 16:44	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		03/16/23 10:29	03/17/23 16:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	03/16/23 10:29	03/17/23 16:44	1
1,4-Difluorobenzene (Surr)	88		70 - 130	03/16/23 10:29	03/17/23 16:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00398	0.00101	mg/Kg			03/19/23 17:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	49.9		49.9	15.0	mg/Kg			03/13/23 15:13	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	18.1	J B	49.9	15.0	mg/Kg		03/09/23 10:55	03/10/23 16:29	1
Diesel Range Organics (Over C10-C28)	31.8	J	49.9	15.0	mg/Kg		03/09/23 10:55	03/10/23 16:29	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/09/23 10:55	03/10/23 16:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	03/09/23 10:55	03/10/23 16:29	1
o-Terphenyl	113		70 - 130	03/09/23 10:55	03/10/23 16:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	358	B	5.00	0.395	mg/Kg			03/09/23 05:46	1

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Surrogate Summary

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
890-4245-1	C-1	83	92
890-4245-1 MS	C-1	126	87
890-4245-1 MSD	C-1	124	101
890-4245-2	C-2	120	88
890-4245-3	C-3	90	87
890-4245-4	C-4	87	88
890-4245-5	C-5	89	92
890-4245-6	C-6	84	88
890-4245-7	C-7	89	85
890-4245-8	C-8	73	66 S1-
890-4245-9	C-9	85	80
890-4245-10	C-10	89	84
890-4245-11	C-11	85	92
890-4245-12	C-12	82	92
890-4245-13	C-13	87	87
890-4245-14	C-14	91	71
890-4245-15	C-15	143 S1+	96
890-4245-16	C-16	110	78
890-4245-17	C-17	92	85
890-4245-18	C-18	117	81
890-4245-19	C-19	88	84
890-4245-20	C-20	84	87
890-4245-21	C-21	103	87
890-4245-21 MS	C-21	95	100
890-4245-21 MSD	C-21	100	104
890-4245-22	SW-1	85	92
890-4245-23	SW-2	86	88
890-4245-24	SW-3	82	86
890-4245-25	SW-4	81	66 S1-
890-4245-26	SW-5	87	81
890-4245-27	SW-6	87	86
890-4245-28	SW-7	87	87
890-4245-29	SW-8	86	91
890-4245-30	SW-9	81	72
890-4245-31	SW-10	91	88
LCS 880-48731/1-A	Lab Control Sample	121	103
LCS 880-48734/1-A	Lab Control Sample	76	112
LCSD 880-48731/2-A	Lab Control Sample Dup	60 S1-	105
LCSD 880-48734/2-A	Lab Control Sample Dup	75	111
MB 880-48731/5-A	Method Blank	70	69 S1-
MB 880-48734/5-A	Method Blank	75	88

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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Surrogate Summary

Client: Talon/LPE

Job ID: 890-4245-1

Project/Site: Benson 3 Fed Com 8

SDG: Eddy County NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-4232-A-1-C MS	Matrix Spike	107	102
890-4232-A-1-D MSD	Matrix Spike Duplicate	110	102
890-4243-A-1-C MS	Matrix Spike	105	107
890-4243-A-1-D MSD	Matrix Spike Duplicate	103	106
890-4245-1	C-1	115	109
890-4245-1 MS	C-1	127	109
890-4245-1 MSD	C-1	128	109
890-4245-2	C-2	112	105
890-4245-3	C-3	113	105
890-4245-4	C-4	115	107
890-4245-5	C-5	109	101
890-4245-6	C-6	109	101
890-4245-7	C-7	115	106
890-4245-8	C-8	112	104
890-4245-9	C-9	105	100
890-4245-10	C-10	105	98
890-4245-11	C-11	102	95
890-4245-12	C-12	104	98
890-4245-13	C-13	105	100
890-4245-14	C-14	103	96
890-4245-15	C-15	106	100
890-4245-16	C-16	99	92
890-4245-17	C-17	112	104
890-4245-18	C-18	106	98
890-4245-19	C-19	113	105
890-4245-20	C-20	108	100
890-4245-21	C-21	109	123
890-4245-22	SW-1	95	105
890-4245-23	SW-2	97	108
890-4245-24	SW-3	96	106
890-4245-25	SW-4	116	128
890-4245-26	SW-5	97	108
890-4245-27	SW-6	95	106
890-4245-28	SW-7	95	105
890-4245-29	SW-8	99	109
890-4245-30	SW-9	100	111
890-4245-31	SW-10	106	113
LCS 880-48129/2-A	Lab Control Sample	97	87
LCS 880-48200/2-A	Lab Control Sample	92	97
LCS 880-48202/2-A	Lab Control Sample	102	111
LCSD 880-48129/3-A	Lab Control Sample Dup	104	93
LCSD 880-48200/3-A	Lab Control Sample Dup	99	108
LCSD 880-48202/3-A	Lab Control Sample Dup	91	103
MB 880-48129/1-A	Method Blank	124	120
MB 880-48200/1-A	Method Blank	136 S1+	155 S1+
MB 880-48202/1-A	Method Blank	158 S1+	163 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-48731/5-A

Matrix: Solid

Analysis Batch: 48800

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48731

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		03/16/23 09:56	03/17/23 21:51	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		03/16/23 09:56	03/17/23 21:51	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		03/16/23 09:56	03/17/23 21:51	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		03/16/23 09:56	03/17/23 21:51	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		03/16/23 09:56	03/17/23 21:51	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		03/16/23 09:56	03/17/23 21:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130	03/16/23 09:56	03/17/23 21:51	1
1,4-Difluorobenzene (Surr)	69	S1-	70 - 130	03/16/23 09:56	03/17/23 21:51	1

Lab Sample ID: LCS 880-48731/1-A

Matrix: Solid

Analysis Batch: 48800

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48731

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1145		mg/Kg		115	70 - 130
Toluene	0.100	0.1103		mg/Kg		110	70 - 130
Ethylbenzene	0.100	0.1173		mg/Kg		117	70 - 130
m-Xylene & p-Xylene	0.200	0.2657	*+	mg/Kg		133	70 - 130
o-Xylene	0.100	0.1319	*+	mg/Kg		132	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-48731/2-A

Matrix: Solid

Analysis Batch: 48800

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 48731

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1018		mg/Kg		102	70 - 130	12	35
Toluene	0.100	0.1054		mg/Kg		105	70 - 130	5	35
Ethylbenzene	0.100	0.1105		mg/Kg		110	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2491		mg/Kg		125	70 - 130	6	35
o-Xylene	0.100	0.1242		mg/Kg		124	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	60	S1-	70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 890-4245-1 MS

Matrix: Solid

Analysis Batch: 48800

Client Sample ID: C-1

Prep Type: Total/NA

Prep Batch: 48731

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.000387	U	0.0996	0.08595		mg/Kg		86	70 - 130
Toluene	<0.000459	U	0.0996	0.09287		mg/Kg		93	70 - 130

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QC Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

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

Lab Sample ID: 890-4245-1 MS

Matrix: Solid

Analysis Batch: 48800

Client Sample ID: C-1

Prep Type: Total/NA

Prep Batch: 48731

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.000568	U	0.0996	0.09910		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	<0.00102	U *	0.199	0.2199		mg/Kg		110	70 - 130
o-Xylene	<0.000346	U *	0.0996	0.1101		mg/Kg		111	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	126		70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: 890-4245-1 MSD

Matrix: Solid

Analysis Batch: 48800

Client Sample ID: C-1

Prep Type: Total/NA

Prep Batch: 48731

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.000387	U	0.0990	0.08057		mg/Kg		81	70 - 130	6	35
Toluene	<0.000459	U	0.0990	0.08588		mg/Kg		87	70 - 130	8	35
Ethylbenzene	<0.000568	U	0.0990	0.09296		mg/Kg		94	70 - 130	6	35
m-Xylene & p-Xylene	<0.00102	U *	0.198	0.2098		mg/Kg		106	70 - 130	5	35
o-Xylene	<0.000346	U *	0.0990	0.1039		mg/Kg		105	70 - 130	6	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	124		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-48734/5-A

Matrix: Solid

Analysis Batch: 48800

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48734

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		03/16/23 10:29	03/17/23 11:13	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		03/16/23 10:29	03/17/23 11:13	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		03/16/23 10:29	03/17/23 11:13	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		03/16/23 10:29	03/17/23 11:13	1
o-Xylene	0.0005058	J	0.00200	0.000344	mg/Kg		03/16/23 10:29	03/17/23 11:13	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		03/16/23 10:29	03/17/23 11:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130	03/16/23 10:29	03/17/23 11:13	1
1,4-Difluorobenzene (Surr)	88		70 - 130	03/16/23 10:29	03/17/23 11:13	1

Lab Sample ID: LCS 880-48734/1-A

Matrix: Solid

Analysis Batch: 48800

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48734

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1196		mg/Kg		120	70 - 130
Toluene	0.100	0.09895		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.08461		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	0.200	0.1714		mg/Kg		86	70 - 130

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QC Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

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

Lab Sample ID: LCS 880-48734/1-A

Matrix: Solid

Analysis Batch: 48800

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48734

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.08373		mg/Kg		84	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	76		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: LCSD 880-48734/2-A

Matrix: Solid

Analysis Batch: 48800

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 48734

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1123		mg/Kg		112	70 - 130	6	35
Toluene	0.100	0.09162		mg/Kg		92	70 - 130	8	35
Ethylbenzene	0.100	0.07942		mg/Kg		79	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1615		mg/Kg		81	70 - 130	6	35
o-Xylene	0.100	0.07825		mg/Kg		78	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	75		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: 890-4245-21 MS

Matrix: Solid

Analysis Batch: 48800

Client Sample ID: C-21

Prep Type: Total/NA

Prep Batch: 48734

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.000381	U	0.0998	0.09126		mg/Kg		91	70 - 130
Toluene	<0.000451	U	0.0998	0.08128		mg/Kg		81	70 - 130
Ethylbenzene	<0.000559	U	0.0998	0.07297		mg/Kg		73	70 - 130
m-Xylene & p-Xylene	<0.00100	U	0.200	0.1585		mg/Kg		79	70 - 130
o-Xylene	0.000343	J B	0.0998	0.07854		mg/Kg		78	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-4245-21 MSD

Matrix: Solid

Analysis Batch: 48800

Client Sample ID: C-21

Prep Type: Total/NA

Prep Batch: 48734

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.000381	U	0.100	0.09758		mg/Kg		97	70 - 130	7	35
Toluene	<0.000451	U	0.100	0.08296		mg/Kg		83	70 - 130	2	35
Ethylbenzene	<0.000559	U	0.100	0.07313		mg/Kg		73	70 - 130	0	35
m-Xylene & p-Xylene	<0.00100	U	0.201	0.1582		mg/Kg		79	70 - 130	0	35
o-Xylene	0.000343	J B	0.100	0.08147		mg/Kg		81	70 - 130	4	35

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QC Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

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

Lab Sample ID: 890-4245-21 MSD
Matrix: Solid
Analysis Batch: 48800

Client Sample ID: C-21
Prep Type: Total/NA
Prep Batch: 48734

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

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

Lab Sample ID: MB 880-48129/1-A
Matrix: Solid
Analysis Batch: 48080

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48129

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	15.14	J	50.0	15.0	mg/Kg		03/08/23 13:56	03/08/23 20:47	1	
Diesel Range Organics (Over C10-C28)	17.12	J	50.0	15.0	mg/Kg		03/08/23 13:56	03/08/23 20:47	1	
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/08/23 13:56	03/08/23 20:47	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	124		70 - 130				03/08/23 13:56	03/08/23 20:47	1	
o-Terphenyl	120		70 - 130				03/08/23 13:56	03/08/23 20:47	1	

Lab Sample ID: LCS 880-48129/2-A
Matrix: Solid
Analysis Batch: 48080

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48129

	Spike	LCS	LCS					%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Gasoline Range Organics (GRO)-C6-C10	1000	851.7		mg/Kg		85	70 - 130			
Diesel Range Organics (Over C10-C28)	1000	949.3		mg/Kg		95	70 - 130			
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	97		70 - 130							
o-Terphenyl	87		70 - 130							

Lab Sample ID: LCSD 880-48129/3-A
Matrix: Solid
Analysis Batch: 48080

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48129

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	1000	966.2		mg/Kg		97	70 - 130	13	20	
Diesel Range Organics (Over C10-C28)	1000	1025		mg/Kg		103	70 - 130	8	20	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	104		70 - 130							
o-Terphenyl	93		70 - 130							

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QC Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

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

Lab Sample ID: 890-4245-1 MS

Matrix: Solid

Analysis Batch: 48080

Client Sample ID: C-1

Prep Type: Total/NA

Prep Batch: 48129

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.1	J B	997	1117		mg/Kg		109	70 - 130
Diesel Range Organics (Over C10-C28)	18.4	J B	997	868.2		mg/Kg		85	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	127		70 - 130						
o-Terphenyl	109		70 - 130						

Lab Sample ID: 890-4245-1 MSD

Matrix: Solid

Analysis Batch: 48080

Client Sample ID: C-1

Prep Type: Total/NA

Prep Batch: 48129

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	25.1	J B	999	1134		mg/Kg		111	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	18.4	J B	999	877.5		mg/Kg		86	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	128		70 - 130								
o-Terphenyl	109		70 - 130								

Lab Sample ID: MB 880-48200/1-A

Matrix: Solid

Analysis Batch: 48173

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48200

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		03/09/23 10:49	03/09/23 20:42	1
Diesel Range Organics (Over C10-C28)	15.76	J	50.0	15.0	mg/Kg		03/09/23 10:49	03/09/23 20:42	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/09/23 10:49	03/09/23 20:42	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				03/09/23 10:49	03/09/23 20:42	1
o-Terphenyl	155	S1+	70 - 130				03/09/23 10:49	03/09/23 20:42	1

Lab Sample ID: LCS 880-48200/2-A

Matrix: Solid

Analysis Batch: 48173

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48200

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	958.6		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	980.1		mg/Kg		98	70 - 130

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QC Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

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

Lab Sample ID: LCS 880-48200/2-A
Matrix: Solid
Analysis Batch: 48173

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48200

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: LCSD 880-48200/3-A
Matrix: Solid
Analysis Batch: 48173

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48200

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1065		mg/Kg		106	70 - 130	10	20
Diesel Range Organics (Over C10-C28)			1000	1062		mg/Kg		106	70 - 130	8	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: 890-4232-A-1-C MS
Matrix: Solid
Analysis Batch: 48173

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 48200

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	22.3	J	999	975.3		mg/Kg		95	70 - 130		
Diesel Range Organics (Over C10-C28)	168	B	999	1012		mg/Kg		85	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	102		70 - 130

Lab Sample ID: 890-4232-A-1-D MSD
Matrix: Solid
Analysis Batch: 48173

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 48200

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	22.3	J	998	1005		mg/Kg		98	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	168	B	998	1027		mg/Kg		86	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	102		70 - 130

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QC Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

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

Lab Sample ID: MB 880-48202/1-A

Matrix: Solid

Analysis Batch: 48272

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48202

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	15.57	J	50.0	15.0	mg/Kg		03/09/23 10:55	03/10/23 08:23	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		03/09/23 10:55	03/10/23 08:23	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/09/23 10:55	03/10/23 08:23	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	158	S1+	70 - 130				03/09/23 10:55	03/10/23 08:23	1
o-Terphenyl	163	S1+	70 - 130				03/09/23 10:55	03/10/23 08:23	1

Lab Sample ID: LCS 880-48202/2-A

Matrix: Solid

Analysis Batch: 48272

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48202

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1110		mg/Kg		111	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1132		mg/Kg		113	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	102		70 - 130				
o-Terphenyl	111		70 - 130				

Lab Sample ID: LCSD 880-48202/3-A

Matrix: Solid

Analysis Batch: 48272

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 48202

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	965.1		mg/Kg		97	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	1000	1032		mg/Kg		103	70 - 130	9	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	91		70 - 130						
o-Terphenyl	103		70 - 130						

Lab Sample ID: 890-4243-A-1-C MS

Matrix: Solid

Analysis Batch: 48272

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 48202

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	21.6	J B	998	1007		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	<15.0	U	998	1011		mg/Kg		101	70 - 130

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QC Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

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

Lab Sample ID: 890-4243-A-1-C MS
Matrix: Solid
Analysis Batch: 48272

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 48202

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: 890-4243-A-1-D MSD
Matrix: Solid
Analysis Batch: 48272

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 48202

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	21.6	J B	999	1045		mg/Kg		102	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<15.0	U	999	991.9		mg/Kg		99	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	106		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-48124/1-A
Matrix: Solid
Analysis Batch: 48148

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	5.00	0.395	mg/Kg			03/08/23 20:50	1

Lab Sample ID: LCS 880-48124/2-A
Matrix: Solid
Analysis Batch: 48148

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	251.5		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-48124/3-A
Matrix: Solid
Analysis Batch: 48148

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	251.7		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 890-4245-1 MS
Matrix: Solid
Analysis Batch: 48148

Client Sample ID: C-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	252		248	492.3		mg/Kg		97	90 - 110

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QC Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-4245-1 MSD

Matrix: Solid

Analysis Batch: 48148

Client Sample ID: C-1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	252		248	493.3		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 890-4245-11 MS

Matrix: Solid

Analysis Batch: 48148

Client Sample ID: C-11

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	359	F1	249	562.1	F1	mg/Kg		82	90 - 110		

Lab Sample ID: 890-4245-11 MSD

Matrix: Solid

Analysis Batch: 48148

Client Sample ID: C-11

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	359	F1	249	563.5	F1	mg/Kg		82	90 - 110	0	20

Lab Sample ID: MB 880-48125/1-A

Matrix: Solid

Analysis Batch: 48156

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.6635	J	5.00	0.395	mg/Kg			03/09/23 04:01	1

Lab Sample ID: LCS 880-48125/2-A

Matrix: Solid

Analysis Batch: 48156

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	266.7		mg/Kg		107	90 - 110		

Lab Sample ID: LCSD 880-48125/3-A

Matrix: Solid

Analysis Batch: 48156

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	264.8		mg/Kg		106	90 - 110	1	20

Lab Sample ID: 890-4245-21 MS

Matrix: Solid

Analysis Batch: 48156

Client Sample ID: C-21

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	450	B	248	686.8		mg/Kg		96	90 - 110		

Lab Sample ID: 890-4245-21 MSD

Matrix: Solid

Analysis Batch: 48156

Client Sample ID: C-21

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	450	B	248	689.3		mg/Kg		97	90 - 110	0	20

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QC Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-4245-31 MS

Matrix: Solid

Analysis Batch: 48156

Client Sample ID: SW-10

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	358	B	250	622.7		mg/Kg		106	90 - 110		

Lab Sample ID: 890-4245-31 MSD

Matrix: Solid

Analysis Batch: 48156

Client Sample ID: SW-10

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	358	B	250	621.4		mg/Kg		106	90 - 110	0	20

QC Association Summary

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

GC VOA

Prep Batch: 48731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4245-1	C-1	Total/NA	Solid	5035	
890-4245-2	C-2	Total/NA	Solid	5035	
890-4245-3	C-3	Total/NA	Solid	5035	
890-4245-4	C-4	Total/NA	Solid	5035	
890-4245-5	C-5	Total/NA	Solid	5035	
890-4245-6	C-6	Total/NA	Solid	5035	
890-4245-7	C-7	Total/NA	Solid	5035	
890-4245-8	C-8	Total/NA	Solid	5035	
890-4245-9	C-9	Total/NA	Solid	5035	
890-4245-10	C-10	Total/NA	Solid	5035	
890-4245-11	C-11	Total/NA	Solid	5035	
890-4245-12	C-12	Total/NA	Solid	5035	
890-4245-13	C-13	Total/NA	Solid	5035	
890-4245-14	C-14	Total/NA	Solid	5035	
890-4245-15	C-15	Total/NA	Solid	5035	
890-4245-16	C-16	Total/NA	Solid	5035	
890-4245-17	C-17	Total/NA	Solid	5035	
890-4245-18	C-18	Total/NA	Solid	5035	
890-4245-19	C-19	Total/NA	Solid	5035	
890-4245-20	C-20	Total/NA	Solid	5035	
MB 880-48731/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48731/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48731/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4245-1 MS	C-1	Total/NA	Solid	5035	
890-4245-1 MSD	C-1	Total/NA	Solid	5035	

Prep Batch: 48734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4245-21	C-21	Total/NA	Solid	5035	
890-4245-22	SW-1	Total/NA	Solid	5035	
890-4245-23	SW-2	Total/NA	Solid	5035	
890-4245-24	SW-3	Total/NA	Solid	5035	
890-4245-25	SW-4	Total/NA	Solid	5035	
890-4245-26	SW-5	Total/NA	Solid	5035	
890-4245-27	SW-6	Total/NA	Solid	5035	
890-4245-28	SW-7	Total/NA	Solid	5035	
890-4245-29	SW-8	Total/NA	Solid	5035	
890-4245-30	SW-9	Total/NA	Solid	5035	
890-4245-31	SW-10	Total/NA	Solid	5035	
MB 880-48734/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48734/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48734/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4245-21 MS	C-21	Total/NA	Solid	5035	
890-4245-21 MSD	C-21	Total/NA	Solid	5035	

Analysis Batch: 48800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4245-1	C-1	Total/NA	Solid	8021B	48731
890-4245-2	C-2	Total/NA	Solid	8021B	48731
890-4245-3	C-3	Total/NA	Solid	8021B	48731
890-4245-4	C-4	Total/NA	Solid	8021B	48731

Eurofins Carlsbad

QC Association Summary

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

GC VOA (Continued)

Analysis Batch: 48800 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4245-5	C-5	Total/NA	Solid	8021B	48731
890-4245-6	C-6	Total/NA	Solid	8021B	48731
890-4245-7	C-7	Total/NA	Solid	8021B	48731
890-4245-8	C-8	Total/NA	Solid	8021B	48731
890-4245-9	C-9	Total/NA	Solid	8021B	48731
890-4245-10	C-10	Total/NA	Solid	8021B	48731
890-4245-11	C-11	Total/NA	Solid	8021B	48731
890-4245-12	C-12	Total/NA	Solid	8021B	48731
890-4245-13	C-13	Total/NA	Solid	8021B	48731
890-4245-14	C-14	Total/NA	Solid	8021B	48731
890-4245-15	C-15	Total/NA	Solid	8021B	48731
890-4245-16	C-16	Total/NA	Solid	8021B	48731
890-4245-17	C-17	Total/NA	Solid	8021B	48731
890-4245-18	C-18	Total/NA	Solid	8021B	48731
890-4245-19	C-19	Total/NA	Solid	8021B	48731
890-4245-20	C-20	Total/NA	Solid	8021B	48731
890-4245-21	C-21	Total/NA	Solid	8021B	48734
890-4245-22	SW-1	Total/NA	Solid	8021B	48734
890-4245-23	SW-2	Total/NA	Solid	8021B	48734
890-4245-24	SW-3	Total/NA	Solid	8021B	48734
890-4245-25	SW-4	Total/NA	Solid	8021B	48734
890-4245-26	SW-5	Total/NA	Solid	8021B	48734
890-4245-27	SW-6	Total/NA	Solid	8021B	48734
890-4245-28	SW-7	Total/NA	Solid	8021B	48734
890-4245-29	SW-8	Total/NA	Solid	8021B	48734
890-4245-30	SW-9	Total/NA	Solid	8021B	48734
890-4245-31	SW-10	Total/NA	Solid	8021B	48734
MB 880-48731/5-A	Method Blank	Total/NA	Solid	8021B	48731
MB 880-48734/5-A	Method Blank	Total/NA	Solid	8021B	48734
LCS 880-48731/1-A	Lab Control Sample	Total/NA	Solid	8021B	48731
LCS 880-48734/1-A	Lab Control Sample	Total/NA	Solid	8021B	48734
LCSD 880-48731/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48731
LCSD 880-48734/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48734
890-4245-1 MS	C-1	Total/NA	Solid	8021B	48731
890-4245-1 MSD	C-1	Total/NA	Solid	8021B	48731
890-4245-21 MS	C-21	Total/NA	Solid	8021B	48734
890-4245-21 MSD	C-21	Total/NA	Solid	8021B	48734

Analysis Batch: 48939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4245-1	C-1	Total/NA	Solid	Total BTEX	
890-4245-2	C-2	Total/NA	Solid	Total BTEX	
890-4245-3	C-3	Total/NA	Solid	Total BTEX	
890-4245-4	C-4	Total/NA	Solid	Total BTEX	
890-4245-5	C-5	Total/NA	Solid	Total BTEX	
890-4245-6	C-6	Total/NA	Solid	Total BTEX	
890-4245-7	C-7	Total/NA	Solid	Total BTEX	
890-4245-8	C-8	Total/NA	Solid	Total BTEX	
890-4245-9	C-9	Total/NA	Solid	Total BTEX	
890-4245-10	C-10	Total/NA	Solid	Total BTEX	
890-4245-11	C-11	Total/NA	Solid	Total BTEX	

Eurofins Carlsbad

QC Association Summary

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

GC VOA (Continued)

Analysis Batch: 48939 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4245-12	C-12	Total/NA	Solid	Total BTEX	
890-4245-13	C-13	Total/NA	Solid	Total BTEX	
890-4245-14	C-14	Total/NA	Solid	Total BTEX	
890-4245-15	C-15	Total/NA	Solid	Total BTEX	
890-4245-16	C-16	Total/NA	Solid	Total BTEX	
890-4245-17	C-17	Total/NA	Solid	Total BTEX	
890-4245-18	C-18	Total/NA	Solid	Total BTEX	
890-4245-19	C-19	Total/NA	Solid	Total BTEX	
890-4245-20	C-20	Total/NA	Solid	Total BTEX	
890-4245-21	C-21	Total/NA	Solid	Total BTEX	
890-4245-22	SW-1	Total/NA	Solid	Total BTEX	
890-4245-23	SW-2	Total/NA	Solid	Total BTEX	
890-4245-24	SW-3	Total/NA	Solid	Total BTEX	
890-4245-25	SW-4	Total/NA	Solid	Total BTEX	
890-4245-26	SW-5	Total/NA	Solid	Total BTEX	
890-4245-27	SW-6	Total/NA	Solid	Total BTEX	
890-4245-28	SW-7	Total/NA	Solid	Total BTEX	
890-4245-29	SW-8	Total/NA	Solid	Total BTEX	
890-4245-30	SW-9	Total/NA	Solid	Total BTEX	
890-4245-31	SW-10	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 48080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4245-1	C-1	Total/NA	Solid	8015B NM	48129
890-4245-2	C-2	Total/NA	Solid	8015B NM	48129
890-4245-3	C-3	Total/NA	Solid	8015B NM	48129
890-4245-4	C-4	Total/NA	Solid	8015B NM	48129
890-4245-5	C-5	Total/NA	Solid	8015B NM	48129
890-4245-6	C-6	Total/NA	Solid	8015B NM	48129
890-4245-7	C-7	Total/NA	Solid	8015B NM	48129
890-4245-8	C-8	Total/NA	Solid	8015B NM	48129
890-4245-9	C-9	Total/NA	Solid	8015B NM	48129
890-4245-10	C-10	Total/NA	Solid	8015B NM	48129
890-4245-11	C-11	Total/NA	Solid	8015B NM	48129
890-4245-12	C-12	Total/NA	Solid	8015B NM	48129
890-4245-13	C-13	Total/NA	Solid	8015B NM	48129
890-4245-14	C-14	Total/NA	Solid	8015B NM	48129
890-4245-15	C-15	Total/NA	Solid	8015B NM	48129
890-4245-16	C-16	Total/NA	Solid	8015B NM	48129
890-4245-17	C-17	Total/NA	Solid	8015B NM	48129
890-4245-18	C-18	Total/NA	Solid	8015B NM	48129
890-4245-19	C-19	Total/NA	Solid	8015B NM	48129
890-4245-20	C-20	Total/NA	Solid	8015B NM	48129
MB 880-48129/1-A	Method Blank	Total/NA	Solid	8015B NM	48129
LCS 880-48129/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48129
LCSD 880-48129/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48129
890-4245-1 MS	C-1	Total/NA	Solid	8015B NM	48129
890-4245-1 MSD	C-1	Total/NA	Solid	8015B NM	48129

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QC Association Summary

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

GC Semi VOA

Prep Batch: 48129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4245-1	C-1	Total/NA	Solid	8015NM Prep	
890-4245-2	C-2	Total/NA	Solid	8015NM Prep	
890-4245-3	C-3	Total/NA	Solid	8015NM Prep	
890-4245-4	C-4	Total/NA	Solid	8015NM Prep	
890-4245-5	C-5	Total/NA	Solid	8015NM Prep	
890-4245-6	C-6	Total/NA	Solid	8015NM Prep	
890-4245-7	C-7	Total/NA	Solid	8015NM Prep	
890-4245-8	C-8	Total/NA	Solid	8015NM Prep	
890-4245-9	C-9	Total/NA	Solid	8015NM Prep	
890-4245-10	C-10	Total/NA	Solid	8015NM Prep	
890-4245-11	C-11	Total/NA	Solid	8015NM Prep	
890-4245-12	C-12	Total/NA	Solid	8015NM Prep	
890-4245-13	C-13	Total/NA	Solid	8015NM Prep	
890-4245-14	C-14	Total/NA	Solid	8015NM Prep	
890-4245-15	C-15	Total/NA	Solid	8015NM Prep	
890-4245-16	C-16	Total/NA	Solid	8015NM Prep	
890-4245-17	C-17	Total/NA	Solid	8015NM Prep	
890-4245-18	C-18	Total/NA	Solid	8015NM Prep	
890-4245-19	C-19	Total/NA	Solid	8015NM Prep	
890-4245-20	C-20	Total/NA	Solid	8015NM Prep	
MB 880-48129/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48129/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48129/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4245-1 MS	C-1	Total/NA	Solid	8015NM Prep	
890-4245-1 MSD	C-1	Total/NA	Solid	8015NM Prep	

Analysis Batch: 48173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4245-21	C-21	Total/NA	Solid	8015B NM	48200
890-4245-22	SW-1	Total/NA	Solid	8015B NM	48200
890-4245-23	SW-2	Total/NA	Solid	8015B NM	48200
890-4245-24	SW-3	Total/NA	Solid	8015B NM	48200
890-4245-25	SW-4	Total/NA	Solid	8015B NM	48200
890-4245-26	SW-5	Total/NA	Solid	8015B NM	48200
890-4245-27	SW-6	Total/NA	Solid	8015B NM	48200
890-4245-28	SW-7	Total/NA	Solid	8015B NM	48200
890-4245-29	SW-8	Total/NA	Solid	8015B NM	48200
890-4245-30	SW-9	Total/NA	Solid	8015B NM	48200
MB 880-48200/1-A	Method Blank	Total/NA	Solid	8015B NM	48200
LCS 880-48200/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48200
LCSD 880-48200/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48200
890-4232-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	48200
890-4232-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	48200

Prep Batch: 48200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4245-21	C-21	Total/NA	Solid	8015NM Prep	
890-4245-22	SW-1	Total/NA	Solid	8015NM Prep	
890-4245-23	SW-2	Total/NA	Solid	8015NM Prep	
890-4245-24	SW-3	Total/NA	Solid	8015NM Prep	
890-4245-25	SW-4	Total/NA	Solid	8015NM Prep	

Eurofins Carlsbad

QC Association Summary

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

GC Semi VOA (Continued)

Prep Batch: 48200 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4245-26	SW-5	Total/NA	Solid	8015NM Prep	
890-4245-27	SW-6	Total/NA	Solid	8015NM Prep	
890-4245-28	SW-7	Total/NA	Solid	8015NM Prep	
890-4245-29	SW-8	Total/NA	Solid	8015NM Prep	
890-4245-30	SW-9	Total/NA	Solid	8015NM Prep	
MB 880-48200/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48200/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48200/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4232-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4232-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 48202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4245-31	SW-10	Total/NA	Solid	8015NM Prep	
MB 880-48202/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48202/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48202/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4243-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4243-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 48218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4245-1	C-1	Total/NA	Solid	8015 NM	
890-4245-2	C-2	Total/NA	Solid	8015 NM	
890-4245-3	C-3	Total/NA	Solid	8015 NM	
890-4245-4	C-4	Total/NA	Solid	8015 NM	
890-4245-5	C-5	Total/NA	Solid	8015 NM	
890-4245-6	C-6	Total/NA	Solid	8015 NM	
890-4245-7	C-7	Total/NA	Solid	8015 NM	
890-4245-8	C-8	Total/NA	Solid	8015 NM	
890-4245-9	C-9	Total/NA	Solid	8015 NM	
890-4245-10	C-10	Total/NA	Solid	8015 NM	
890-4245-11	C-11	Total/NA	Solid	8015 NM	
890-4245-12	C-12	Total/NA	Solid	8015 NM	
890-4245-13	C-13	Total/NA	Solid	8015 NM	
890-4245-14	C-14	Total/NA	Solid	8015 NM	
890-4245-15	C-15	Total/NA	Solid	8015 NM	
890-4245-16	C-16	Total/NA	Solid	8015 NM	
890-4245-17	C-17	Total/NA	Solid	8015 NM	
890-4245-18	C-18	Total/NA	Solid	8015 NM	
890-4245-19	C-19	Total/NA	Solid	8015 NM	
890-4245-20	C-20	Total/NA	Solid	8015 NM	
890-4245-21	C-21	Total/NA	Solid	8015 NM	
890-4245-22	SW-1	Total/NA	Solid	8015 NM	
890-4245-23	SW-2	Total/NA	Solid	8015 NM	
890-4245-24	SW-3	Total/NA	Solid	8015 NM	
890-4245-25	SW-4	Total/NA	Solid	8015 NM	
890-4245-26	SW-5	Total/NA	Solid	8015 NM	
890-4245-27	SW-6	Total/NA	Solid	8015 NM	
890-4245-28	SW-7	Total/NA	Solid	8015 NM	
890-4245-29	SW-8	Total/NA	Solid	8015 NM	

Eurofins Carlsbad

QC Association Summary

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

GC Semi VOA (Continued)

Analysis Batch: 48218 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4245-30	SW-9	Total/NA	Solid	8015 NM	
890-4245-31	SW-10	Total/NA	Solid	8015 NM	

Analysis Batch: 48272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4245-31	SW-10	Total/NA	Solid	8015B NM	48202
MB 880-48202/1-A	Method Blank	Total/NA	Solid	8015B NM	48202
LCS 880-48202/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48202
LCSD 880-48202/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48202
890-4243-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	48202
890-4243-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	48202

HPLC/IC

Leach Batch: 48124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4245-1	C-1	Soluble	Solid	DI Leach	
890-4245-2	C-2	Soluble	Solid	DI Leach	
890-4245-3	C-3	Soluble	Solid	DI Leach	
890-4245-4	C-4	Soluble	Solid	DI Leach	
890-4245-5	C-5	Soluble	Solid	DI Leach	
890-4245-6	C-6	Soluble	Solid	DI Leach	
890-4245-7	C-7	Soluble	Solid	DI Leach	
890-4245-8	C-8	Soluble	Solid	DI Leach	
890-4245-9	C-9	Soluble	Solid	DI Leach	
890-4245-10	C-10	Soluble	Solid	DI Leach	
890-4245-11	C-11	Soluble	Solid	DI Leach	
890-4245-12	C-12	Soluble	Solid	DI Leach	
890-4245-13	C-13	Soluble	Solid	DI Leach	
890-4245-14	C-14	Soluble	Solid	DI Leach	
890-4245-15	C-15	Soluble	Solid	DI Leach	
890-4245-16	C-16	Soluble	Solid	DI Leach	
890-4245-17	C-17	Soluble	Solid	DI Leach	
890-4245-18	C-18	Soluble	Solid	DI Leach	
890-4245-19	C-19	Soluble	Solid	DI Leach	
890-4245-20	C-20	Soluble	Solid	DI Leach	
MB 880-48124/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48124/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48124/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4245-1 MS	C-1	Soluble	Solid	DI Leach	
890-4245-1 MSD	C-1	Soluble	Solid	DI Leach	
890-4245-11 MS	C-11	Soluble	Solid	DI Leach	
890-4245-11 MSD	C-11	Soluble	Solid	DI Leach	

Leach Batch: 48125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4245-21	C-21	Soluble	Solid	DI Leach	
890-4245-22	SW-1	Soluble	Solid	DI Leach	
890-4245-23	SW-2	Soluble	Solid	DI Leach	
890-4245-24	SW-3	Soluble	Solid	DI Leach	
890-4245-25	SW-4	Soluble	Solid	DI Leach	

Eurofins Carlsbad

QC Association Summary

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

HPLC/IC (Continued)

Leach Batch: 48125 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4245-26	SW-5	Soluble	Solid	DI Leach	
890-4245-27	SW-6	Soluble	Solid	DI Leach	
890-4245-28	SW-7	Soluble	Solid	DI Leach	
890-4245-29	SW-8	Soluble	Solid	DI Leach	
890-4245-30	SW-9	Soluble	Solid	DI Leach	
890-4245-31	SW-10	Soluble	Solid	DI Leach	
MB 880-48125/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48125/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48125/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4245-21 MS	C-21	Soluble	Solid	DI Leach	
890-4245-21 MSD	C-21	Soluble	Solid	DI Leach	
890-4245-31 MS	SW-10	Soluble	Solid	DI Leach	
890-4245-31 MSD	SW-10	Soluble	Solid	DI Leach	

Analysis Batch: 48148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4245-1	C-1	Soluble	Solid	300.0	48124
890-4245-2	C-2	Soluble	Solid	300.0	48124
890-4245-3	C-3	Soluble	Solid	300.0	48124
890-4245-4	C-4	Soluble	Solid	300.0	48124
890-4245-5	C-5	Soluble	Solid	300.0	48124
890-4245-6	C-6	Soluble	Solid	300.0	48124
890-4245-7	C-7	Soluble	Solid	300.0	48124
890-4245-8	C-8	Soluble	Solid	300.0	48124
890-4245-9	C-9	Soluble	Solid	300.0	48124
890-4245-10	C-10	Soluble	Solid	300.0	48124
890-4245-11	C-11	Soluble	Solid	300.0	48124
890-4245-12	C-12	Soluble	Solid	300.0	48124
890-4245-13	C-13	Soluble	Solid	300.0	48124
890-4245-14	C-14	Soluble	Solid	300.0	48124
890-4245-15	C-15	Soluble	Solid	300.0	48124
890-4245-16	C-16	Soluble	Solid	300.0	48124
890-4245-17	C-17	Soluble	Solid	300.0	48124
890-4245-18	C-18	Soluble	Solid	300.0	48124
890-4245-19	C-19	Soluble	Solid	300.0	48124
890-4245-20	C-20	Soluble	Solid	300.0	48124
MB 880-48124/1-A	Method Blank	Soluble	Solid	300.0	48124
LCS 880-48124/2-A	Lab Control Sample	Soluble	Solid	300.0	48124
LCSD 880-48124/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48124
890-4245-1 MS	C-1	Soluble	Solid	300.0	48124
890-4245-1 MSD	C-1	Soluble	Solid	300.0	48124
890-4245-11 MS	C-11	Soluble	Solid	300.0	48124
890-4245-11 MSD	C-11	Soluble	Solid	300.0	48124

Analysis Batch: 48156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4245-21	C-21	Soluble	Solid	300.0	48125
890-4245-22	SW-1	Soluble	Solid	300.0	48125
890-4245-23	SW-2	Soluble	Solid	300.0	48125
890-4245-24	SW-3	Soluble	Solid	300.0	48125
890-4245-25	SW-4	Soluble	Solid	300.0	48125

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QC Association Summary

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

HPLC/IC (Continued)

Analysis Batch: 48156 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4245-26	SW-5	Soluble	Solid	300.0	48125
890-4245-27	SW-6	Soluble	Solid	300.0	48125
890-4245-28	SW-7	Soluble	Solid	300.0	48125
890-4245-29	SW-8	Soluble	Solid	300.0	48125
890-4245-30	SW-9	Soluble	Solid	300.0	48125
890-4245-31	SW-10	Soluble	Solid	300.0	48125
MB 880-48125/1-A	Method Blank	Soluble	Solid	300.0	48125
LCS 880-48125/2-A	Lab Control Sample	Soluble	Solid	300.0	48125
LCSD 880-48125/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48125
890-4245-21 MS	C-21	Soluble	Solid	300.0	48125
890-4245-21 MSD	C-21	Soluble	Solid	300.0	48125
890-4245-31 MS	SW-10	Soluble	Solid	300.0	48125
890-4245-31 MSD	SW-10	Soluble	Solid	300.0	48125

Lab Chronicle

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Client Sample ID: C-1

Lab Sample ID: 890-4245-1

Date Collected: 03/07/23 08:11

Matrix: Solid

Date Received: 03/07/23 13:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	48731	03/16/23 09:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48800	03/17/23 22:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48218	03/09/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48129	03/08/23 13:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48080	03/08/23 21:50	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	48124	03/08/23 13:16	KS	EET MID
Soluble	Analysis	300.0		1			48148	03/08/23 21:09	SMC	EET MID

Client Sample ID: C-2

Lab Sample ID: 890-4245-2

Date Collected: 03/07/23 08:16

Matrix: Solid

Date Received: 03/07/23 13:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	48731	03/16/23 09:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48800	03/17/23 22:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48218	03/09/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48129	03/08/23 13:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48080	03/08/23 22:55	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	48124	03/08/23 13:16	KS	EET MID
Soluble	Analysis	300.0		1			48148	03/08/23 21:27	SMC	EET MID

Client Sample ID: C-3

Lab Sample ID: 890-4245-3

Date Collected: 03/07/23 08:19

Matrix: Solid

Date Received: 03/07/23 13:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	48731	03/16/23 09:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48800	03/17/23 22:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48218	03/09/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48129	03/08/23 13:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48080	03/08/23 23:17	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48124	03/08/23 13:16	KS	EET MID
Soluble	Analysis	300.0		1			48148	03/08/23 21:33	SMC	EET MID

Client Sample ID: C-4

Lab Sample ID: 890-4245-4

Date Collected: 03/07/23 08:23

Matrix: Solid

Date Received: 03/07/23 13:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	48731	03/16/23 09:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48800	03/17/23 23:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID

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Lab Chronicle

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Client Sample ID: C-4

Lab Sample ID: 890-4245-4

Date Collected: 03/07/23 08:23

Matrix: Solid

Date Received: 03/07/23 13:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			48218	03/09/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48129	03/08/23 13:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48080	03/08/23 23:39	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	48124	03/08/23 13:16	KS	EET MID
Soluble	Analysis	300.0		1			48148	03/08/23 21:39	SMC	EET MID

Client Sample ID: C-5

Lab Sample ID: 890-4245-5

Date Collected: 03/07/23 08:27

Matrix: Solid

Date Received: 03/07/23 13:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	48731	03/16/23 09:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48800	03/17/23 23:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48218	03/09/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48129	03/08/23 13:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48080	03/08/23 23:59	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48124	03/08/23 13:16	KS	EET MID
Soluble	Analysis	300.0		5			48148	03/08/23 21:46	SMC	EET MID

Client Sample ID: C-6

Lab Sample ID: 890-4245-6

Date Collected: 03/07/23 08:35

Matrix: Solid

Date Received: 03/07/23 13:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	48731	03/16/23 09:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48800	03/17/23 23:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48218	03/09/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48129	03/08/23 13:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48080	03/09/23 00:19	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	48124	03/08/23 13:16	KS	EET MID
Soluble	Analysis	300.0		5			48148	03/08/23 22:04	SMC	EET MID

Client Sample ID: C-7

Lab Sample ID: 890-4245-7

Date Collected: 03/07/23 08:45

Matrix: Solid

Date Received: 03/07/23 13:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	48731	03/16/23 09:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48800	03/18/23 00:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48218	03/09/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48129	03/08/23 13:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48080	03/09/23 00:40	SM	EET MID

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Lab Chronicle

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Client Sample ID: C-7

Lab Sample ID: 890-4245-7

Date Collected: 03/07/23 08:45

Matrix: Solid

Date Received: 03/07/23 13:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	48124	03/08/23 13:16	KS	EET MID
Soluble	Analysis	300.0		1			48148	03/08/23 22:10	SMC	EET MID

Client Sample ID: C-8

Lab Sample ID: 890-4245-8

Date Collected: 03/07/23 08:49

Matrix: Solid

Date Received: 03/07/23 13:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	48731	03/16/23 09:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48800	03/18/23 00:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48218	03/09/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48129	03/08/23 13:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48080	03/09/23 01:01	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	48124	03/08/23 13:16	KS	EET MID
Soluble	Analysis	300.0		1			48148	03/08/23 22:16	SMC	EET MID

Client Sample ID: C-9

Lab Sample ID: 890-4245-9

Date Collected: 03/07/23 09:03

Matrix: Solid

Date Received: 03/07/23 13:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	48731	03/16/23 09:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48800	03/18/23 00:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48218	03/09/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48129	03/08/23 13:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48080	03/09/23 01:21	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	48124	03/08/23 13:16	KS	EET MID
Soluble	Analysis	300.0		1			48148	03/08/23 22:22	SMC	EET MID

Client Sample ID: C-10

Lab Sample ID: 890-4245-10

Date Collected: 03/07/23 09:05

Matrix: Solid

Date Received: 03/07/23 13:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	48731	03/16/23 09:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48800	03/18/23 01:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48218	03/09/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48129	03/08/23 13:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48080	03/09/23 01:41	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	48124	03/08/23 13:16	KS	EET MID
Soluble	Analysis	300.0		1			48148	03/08/23 22:29	SMC	EET MID

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Lab Chronicle

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Client Sample ID: C-11

Lab Sample ID: 890-4245-11

Date Collected: 03/07/23 09:12

Matrix: Solid

Date Received: 03/07/23 13:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	48731	03/16/23 09:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48800	03/18/23 02:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48218	03/09/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48129	03/08/23 13:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48080	03/09/23 02:22	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	48124	03/08/23 13:16	KS	EET MID
Soluble	Analysis	300.0		1			48148	03/08/23 22:35	SMC	EET MID

Client Sample ID: C-12

Lab Sample ID: 890-4245-12

Date Collected: 03/07/23 09:19

Matrix: Solid

Date Received: 03/07/23 13:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	48731	03/16/23 09:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48800	03/18/23 03:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48218	03/09/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48129	03/08/23 13:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48080	03/09/23 02:42	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	48124	03/08/23 13:16	KS	EET MID
Soluble	Analysis	300.0		1			48148	03/08/23 22:53	SMC	EET MID

Client Sample ID: C-13

Lab Sample ID: 890-4245-13

Date Collected: 03/07/23 09:25

Matrix: Solid

Date Received: 03/07/23 13:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	48731	03/16/23 09:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48800	03/18/23 03:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48218	03/09/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48129	03/08/23 13:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48080	03/09/23 03:02	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	48124	03/08/23 13:16	KS	EET MID
Soluble	Analysis	300.0		1			48148	03/08/23 22:59	SMC	EET MID

Client Sample ID: C-14

Lab Sample ID: 890-4245-14

Date Collected: 03/07/23 09:36

Matrix: Solid

Date Received: 03/07/23 13:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	48731	03/16/23 09:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48800	03/18/23 03:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID

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Lab Chronicle

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Client Sample ID: C-14

Lab Sample ID: 890-4245-14

Date Collected: 03/07/23 09:36

Matrix: Solid

Date Received: 03/07/23 13:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			48218	03/09/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48129	03/08/23 13:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48080	03/09/23 03:22	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	48124	03/08/23 13:16	KS	EET MID
Soluble	Analysis	300.0		5			48148	03/08/23 23:18	SMC	EET MID

Client Sample ID: C-15

Lab Sample ID: 890-4245-15

Date Collected: 03/07/23 09:41

Matrix: Solid

Date Received: 03/07/23 13:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	48731	03/16/23 09:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48800	03/18/23 04:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48218	03/09/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48129	03/08/23 13:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48080	03/09/23 03:42	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	48124	03/08/23 13:16	KS	EET MID
Soluble	Analysis	300.0		1			48148	03/08/23 23:24	SMC	EET MID

Client Sample ID: C-16

Lab Sample ID: 890-4245-16

Date Collected: 03/07/23 09:52

Matrix: Solid

Date Received: 03/07/23 13:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	48731	03/16/23 09:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48800	03/18/23 04:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48218	03/09/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48129	03/08/23 13:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48080	03/09/23 04:02	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	48124	03/08/23 13:16	KS	EET MID
Soluble	Analysis	300.0		1			48148	03/08/23 23:30	SMC	EET MID

Client Sample ID: C-17

Lab Sample ID: 890-4245-17

Date Collected: 03/07/23 10:01

Matrix: Solid

Date Received: 03/07/23 13:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	48731	03/16/23 09:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48800	03/18/23 04:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48218	03/09/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48129	03/08/23 13:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48080	03/09/23 04:23	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Client Sample ID: C-17**Lab Sample ID: 890-4245-17****Date Collected: 03/07/23 10:01****Matrix: Solid****Date Received: 03/07/23 13:38**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	48124	03/08/23 13:16	KS	EET MID
Soluble	Analysis	300.0		1			48148	03/08/23 23:36	SMC	EET MID

Client Sample ID: C-18**Lab Sample ID: 890-4245-18****Date Collected: 03/07/23 10:09****Matrix: Solid****Date Received: 03/07/23 13:38**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	48731	03/16/23 09:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48800	03/18/23 05:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48218	03/09/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48129	03/08/23 13:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48080	03/09/23 04:43	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48124	03/08/23 13:16	KS	EET MID
Soluble	Analysis	300.0		5			48148	03/08/23 23:42	SMC	EET MID

Client Sample ID: C-19**Lab Sample ID: 890-4245-19****Date Collected: 03/07/23 10:15****Matrix: Solid****Date Received: 03/07/23 13:38**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	48731	03/16/23 09:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48800	03/18/23 05:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48218	03/09/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48129	03/08/23 13:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48080	03/09/23 05:03	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48124	03/08/23 13:16	KS	EET MID
Soluble	Analysis	300.0		1			48148	03/08/23 23:49	SMC	EET MID

Client Sample ID: C-20**Lab Sample ID: 890-4245-20****Date Collected: 03/07/23 10:25****Matrix: Solid****Date Received: 03/07/23 13:38**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	48731	03/16/23 09:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48800	03/18/23 05:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48218	03/09/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48129	03/08/23 13:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48080	03/09/23 05:23	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	48124	03/08/23 13:16	KS	EET MID
Soluble	Analysis	300.0		5			48148	03/08/23 23:55	SMC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Client Sample ID: C-21

Lab Sample ID: 890-4245-21

Date Collected: 03/07/23 10:29

Matrix: Solid

Date Received: 03/07/23 13:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	48734	03/16/23 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48800	03/17/23 11:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48218	03/10/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48200	03/09/23 10:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48173	03/09/23 23:34	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	48125	03/08/23 13:18	KS	EET MID
Soluble	Analysis	300.0		1			48156	03/09/23 04:20	SMC	EET MID

Client Sample ID: SW-1

Lab Sample ID: 890-4245-22

Date Collected: 03/07/23 10:35

Matrix: Solid

Date Received: 03/07/23 13:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	48734	03/16/23 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48800	03/17/23 11:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48218	03/10/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48200	03/09/23 10:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48173	03/09/23 23:56	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	48125	03/08/23 13:18	KS	EET MID
Soluble	Analysis	300.0		1			48156	03/09/23 04:38	SMC	EET MID

Client Sample ID: SW-2

Lab Sample ID: 890-4245-23

Date Collected: 03/07/23 10:42

Matrix: Solid

Date Received: 03/07/23 13:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	48734	03/16/23 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48800	03/17/23 12:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48218	03/10/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48200	03/09/23 10:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48173	03/10/23 00:17	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48125	03/08/23 13:18	KS	EET MID
Soluble	Analysis	300.0		1			48156	03/09/23 04:44	SMC	EET MID

Client Sample ID: SW-3

Lab Sample ID: 890-4245-24

Date Collected: 03/07/23 10:49

Matrix: Solid

Date Received: 03/07/23 13:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	48734	03/16/23 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48800	03/17/23 12:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID

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Lab Chronicle

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Client Sample ID: SW-3

Lab Sample ID: 890-4245-24

Date Collected: 03/07/23 10:49

Matrix: Solid

Date Received: 03/07/23 13:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			48218	03/10/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48200	03/09/23 10:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48173	03/10/23 00:38	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	48125	03/08/23 13:18	KS	EET MID
Soluble	Analysis	300.0		1			48156	03/09/23 04:50	SMC	EET MID

Client Sample ID: SW-4

Lab Sample ID: 890-4245-25

Date Collected: 03/07/23 10:55

Matrix: Solid

Date Received: 03/07/23 13:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	48734	03/16/23 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48800	03/17/23 12:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48218	03/10/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48200	03/09/23 10:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48173	03/10/23 01:00	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	48125	03/08/23 13:18	KS	EET MID
Soluble	Analysis	300.0		1			48156	03/09/23 04:56	SMC	EET MID

Client Sample ID: SW-5

Lab Sample ID: 890-4245-26

Date Collected: 03/07/23 11:02

Matrix: Solid

Date Received: 03/07/23 13:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	48734	03/16/23 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48800	03/17/23 13:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48218	03/10/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48200	03/09/23 10:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48173	03/10/23 01:21	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48125	03/08/23 13:18	KS	EET MID
Soluble	Analysis	300.0		1			48156	03/09/23 05:15	SMC	EET MID

Client Sample ID: SW-6

Lab Sample ID: 890-4245-27

Date Collected: 03/07/23 11:09

Matrix: Solid

Date Received: 03/07/23 13:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	48734	03/16/23 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48800	03/17/23 13:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48218	03/10/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48200	03/09/23 10:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48173	03/10/23 01:43	SM	EET MID

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Lab Chronicle

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Client Sample ID: SW-6

Lab Sample ID: 890-4245-27

Date Collected: 03/07/23 11:09

Matrix: Solid

Date Received: 03/07/23 13:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	48125	03/08/23 13:18	KS	EET MID
Soluble	Analysis	300.0		1			48156	03/09/23 05:21	SMC	EET MID

Client Sample ID: SW-7

Lab Sample ID: 890-4245-28

Date Collected: 03/07/23 11:13

Matrix: Solid

Date Received: 03/07/23 13:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	48734	03/16/23 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48800	03/17/23 13:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48218	03/10/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48200	03/09/23 10:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48173	03/10/23 02:26	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	48125	03/08/23 13:18	KS	EET MID
Soluble	Analysis	300.0		1			48156	03/09/23 05:27	SMC	EET MID

Client Sample ID: SW-8

Lab Sample ID: 890-4245-29

Date Collected: 03/07/23 11:19

Matrix: Solid

Date Received: 03/07/23 13:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	48734	03/16/23 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48800	03/17/23 16:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48218	03/10/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48200	03/09/23 10:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48173	03/10/23 02:47	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48125	03/08/23 13:18	KS	EET MID
Soluble	Analysis	300.0		1			48156	03/09/23 05:33	SMC	EET MID

Client Sample ID: SW-9

Lab Sample ID: 890-4245-30

Date Collected: 03/07/23 11:24

Matrix: Solid

Date Received: 03/07/23 13:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	48734	03/16/23 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48800	03/17/23 16:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48218	03/10/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48200	03/09/23 10:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48173	03/10/23 03:09	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	48125	03/08/23 13:18	KS	EET MID
Soluble	Analysis	300.0		1			48156	03/09/23 05:40	SMC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Client Sample ID: SW-10
Date Collected: 03/07/23 11:38
Date Received: 03/07/23 13:38

Lab Sample ID: 890-4245-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	48734	03/16/23 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48800	03/17/23 16:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48218	03/13/23 15:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48202	03/09/23 10:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48272	03/10/23 16:29	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48125	03/08/23 13:18	KS	EET MID
Soluble	Analysis	300.0		1			48156	03/09/23 05:46	SMC	EET MID

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

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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

Method Summary

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4245-1
SDG: Eddy County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-4245-1	C-1	Solid	03/07/23 08:11	03/07/23 13:38	7'
890-4245-2	C-2	Solid	03/07/23 08:16	03/07/23 13:38	7'
890-4245-3	C-3	Solid	03/07/23 08:19	03/07/23 13:38	7'
890-4245-4	C-4	Solid	03/07/23 08:23	03/07/23 13:38	7'
890-4245-5	C-5	Solid	03/07/23 08:27	03/07/23 13:38	7'
890-4245-6	C-6	Solid	03/07/23 08:35	03/07/23 13:38	7'
890-4245-7	C-7	Solid	03/07/23 08:45	03/07/23 13:38	7'
890-4245-8	C-8	Solid	03/07/23 08:49	03/07/23 13:38	7'
890-4245-9	C-9	Solid	03/07/23 09:03	03/07/23 13:38	7'
890-4245-10	C-10	Solid	03/07/23 09:05	03/07/23 13:38	7'
890-4245-11	C-11	Solid	03/07/23 09:12	03/07/23 13:38	7'
890-4245-12	C-12	Solid	03/07/23 09:19	03/07/23 13:38	7'
890-4245-13	C-13	Solid	03/07/23 09:25	03/07/23 13:38	7'
890-4245-14	C-14	Solid	03/07/23 09:36	03/07/23 13:38	7'
890-4245-15	C-15	Solid	03/07/23 09:41	03/07/23 13:38	5'
890-4245-16	C-16	Solid	03/07/23 09:52	03/07/23 13:38	5'
890-4245-17	C-17	Solid	03/07/23 10:01	03/07/23 13:38	5'
890-4245-18	C-18	Solid	03/07/23 10:09	03/07/23 13:38	5'
890-4245-19	C-19	Solid	03/07/23 10:15	03/07/23 13:38	5'
890-4245-20	C-20	Solid	03/07/23 10:25	03/07/23 13:38	5'
890-4245-21	C-21	Solid	03/07/23 10:29	03/07/23 13:38	5'
890-4245-22	SW-1	Solid	03/07/23 10:35	03/07/23 13:38	3'
890-4245-23	SW-2	Solid	03/07/23 10:42	03/07/23 13:38	3'
890-4245-24	SW-3	Solid	03/07/23 10:49	03/07/23 13:38	3'
890-4245-25	SW-4	Solid	03/07/23 10:55	03/07/23 13:38	3'
890-4245-26	SW-5	Solid	03/07/23 11:02	03/07/23 13:38	3'
890-4245-27	SW-6	Solid	03/07/23 11:09	03/07/23 13:38	3'
890-4245-28	SW-7	Solid	03/07/23 11:13	03/07/23 13:38	3'
890-4245-29	SW-8	Solid	03/07/23 11:19	03/07/23 13:38	3'
890-4245-30	SW-9	Solid	03/07/23 11:24	03/07/23 13:38	3'
890-4245-31	SW-10	Solid	03/07/23 11:38	03/07/23 13:38	3'

Chain of Custody

Work Order No: _____

Page 1 of 4

Project Manager:		Chad Hensley		Bill to: (if different)		Laci Luig		Work Order Comments	
Company Name:		Talon LPE		Company Name:		Cinmarex Energy		Program: UST/PST ☐ PRP ☐ brownfields ☐ RRC ☐ Superfund ☐	
Address:		408 W. Texas Ave.		Address:		600 N Marlenfield St, Suite 600		State of Project:	
City, State ZIP:		Artesia, NM 88210		City, State ZIP:		Midland, TX 79701		Reporting Level I ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Phone:		575-746-8768		Email:		laci.luig@coterra.com & ashton.thielke@coterra.com		Deliverables: EDD ☐ ADaPT ☐ Other:	
Project Name:		Benson, 3 Fed Can 8		Turn Around		Press. Code		ANALYSIS REQUEST	
Project Number:		701162.117.01		☒ Routine ☒ Rush					
Project Location:		Eddy County, NM		Due Date:		48 HR			
Sampler's Name:		Chad Hensley		TAT starts the day received by the lab, if received by 4:30pm					
PO #:									
SAMPLE RECEIPT		Temp Blank:		Yes ☒ No ☐		Well Ice:		Yes ☒ No ☐	
Received Intact:		Yes ☒ No ☐		Thermometer ID:		TIN-007			
Cooler Custody Seals:		Yes ☒ No ☐		Correction Factor:		-0.2			
Sample Custody Seals:		Yes ☒ No ☐		Temperature Reading:		24.2			
Total Containers:				Corrected Temperature:		24.0			
Sample Identification		Date		Time		Soil		Grab/Comp	
C-1		3/7/2023		8:11		X		X	
C-2		3/7/2023		8:16		X		X	
C-3		3/7/2023		8:19		X		X	
C-4		3/7/2023		8:23		X		X	
C-5		3/7/2023		8:27		X		X	
C-6		3/7/2023		8:35		X		X	
C-7		3/7/2023		8:45		X		X	
C-8		3/7/2023		8:49		X		X	
C-9		3/7/2023		9:03		X		X	
C-10		3/7/2023		9:05		X		X	
Relinquished by: (Signature)		Received by: (Signature)		Date/Time		Relinquished by: (Signature)		Received by: (Signature)	
3/7/23		3/7/23		1338		3/7/23		1338	
5		5		5		5		5	

Chain of Custody

Work Order No: _____

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Project Manager:	Chad Hensley	Bill to: (if different)	Laci Luig
Company Name:	Talon LPE	Company Name:	Cimarex Energy
Address:	408 W. Texas Ave.	Address:	600 N Marientfield St, Suite 600
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	Midland, TX 79701
Phone:	575-746-8768	Email:	laci.luig@coterra.com & ashion.thielke@coterra.com

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

Project Name:	Benson,	Turn Around	Pres. Code	ANALYSIS REQUEST										Preservative Codes		
Project Number:	701162.117.01	☐ Routine ☐ Rush													None: NO	DI Water: H ₂ O
Project Location:	Eddy County, NM	Due Date:													Cool: Cool	MeOH: Me
Sampler's Name:	Chad Hensley	TAT starts the day received by the lab, if received by 4:30pm													HCL: HC	HNO ₃ : HN
PO #:															H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT	Temp Blank:	Yes	No	Yes	No	Wet Ice:	Yes	No							H ₃ PO ₄ : HP	
Received Intact:	Yes	No		Thermometer ID:											NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes	No	N/A	Correction Factor:											Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes	No	N/A	Temperature Reading:											Zn Acetate+NaOH: Zn	
Total Containers:				Corrected Temperature:											NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Depth Water	Grab/ Comp	# of Cont	TPH										Sample Comments
C-11	3/7/2023	9:12	X	7	Comp	1	X	X	X								
C-12	3/7/2023	9:19	X	7	Comp	1	X	X	X								
C-13	3/7/2023	9:25	X	7	Comp	1	X	X	X								
C-14	3/7/2023	9:36	X	7	Comp	1	X	X	X								
C-15	3/7/2023	9:41	X	5	Comp	1	X	X	X								
C-16	3/7/2023	9:52	X		Comp	1	X	X	X								
C-17	3/7/2023	10:01	X		Comp	1	X	X	X								
C-18	3/7/2023	10:09	X		Comp	1	X	X	X								
C-19	3/7/2023	10:15	X		Comp	1	X	X	X								
C-20	3/7/2023	10:25	X		Comp	1	X	X	X								

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Chad Hensley	Laci Luig	3/7/23	Chad Hensley	Laci Luig	3/7/23 1338

Chain of Custody

Work Order No: _____

Page 3 of 4

Project Manager:	Chad Hensley	Bill to: (if different)	Laci Luig
Company Name:	Talon LPE	Company Name:	Cimarex Energy
Address:	408 W. Texas Ave.	Address:	600 N Marfield St, Suite 600
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	Midland, TX 79701
Phone:	575-746-8768	Email:	laci.luig@coterra.com & ashion.thielke@coterra.com

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

Project Name:	Benson,	Turn Around	Pres. Code	ANALYSIS REQUEST										Preservative Codes		
Project Number:	701162.117.01	☐ Routine ☐ Rush													None: NO	DI Water: H ₂ O
Project Location:	Eddy County, NM	Due Date:													Cool: Cool	MeOH: Me
Sampler's Name:	Chad Hensley	TAT starts the day received by the lab, if received by 4:30pm													HCL: HC	HNO ₃ : HN
PO #:															H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT	Temp Blank:	Yes	No	Well loc:	Yes	No									H ₃ PO ₄ : HP	
Received Intact:	Yes	No		Thermometer ID:											NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes	No	N/A	Correction Factor:											Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes	No	N/A	Temperature Reading:											Zn Acetate+NaOH: Zn	
Total Containers:				Corrected Temperature:											NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	1X PTH 1X WASH	Grab/ Comp	# of Cont	TH													Sample Comments
C-21	3/7/2023	10:29	X	5	Comp	1	X	X	X											
SW-1	3/7/2023	10:35	X	3	Comp	1	X	X	X											
SW-2	3/7/2023	10:42	X		Comp	1	X	X	X											
SW-3	3/7/2023	10:49	X		Comp	1	X	X	X											
SW-4	3/7/2023	10:55	X		Comp	1	X	X	X											
SW-5	3/7/2023	11:02	X		Comp	1	X	X	X											
SW-6	3/7/2023	11:09	X		Comp	1	X	X	X											
SW-7	3/7/2023	11:13	X		Comp	1	X	X	X											
SW-8	3/7/2023	11:19	X		Comp	1	X	X	X											
SW-9	3/7/2023	11:24	X		Comp	1	X	X	X											

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	3/7/23	<i>[Signature]</i>	<i>[Signature]</i>	3/7/23 1338

Chain of Custody

Work Order No: _____

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[illegible]

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-4245-1

SDG Number: Eddy County NM

Login Number: 4245

List Number: 1

Creator: Stutzman, Amanda

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-4245-1

SDG Number: Eddy County NM

Login Number: 4245

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 03/08/23 11:29 AM

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Chad Hensley
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

Generated 3/24/2023 10:18:10 AM

JOB DESCRIPTION

Benson 3 Fed Com 8
SDG NUMBER Eddy County NM

JOB NUMBER

890-4337-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Eurofins Carlsbad**Job Notes**

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated
3/24/2023 10:18:10 AM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Laboratory Job ID: 890-4337-1
SDG: Eddy County NM

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Definitions/Glossary

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

Job ID: 890-4337-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-4337-1

Receipt

The samples were received on 3/16/2023 2:53 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 23.0°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: C-3 (890-4337-1), C-4 (890-4337-2), C-5 (890-4337-3), C-6 (890-4337-4), C-7 (890-4337-5), C-8 (890-4337-6), C-9 (890-4337-7), C-12 (890-4337-8), C-13 (890-4337-9), C-15 (890-4337-10), C-18 (890-4337-11), C-19 (890-4337-12), C-20 (890-4337-13), C-21 (890-4337-14), SW-2 (890-4337-15), SW-3 (890-4337-16), SW-4 (890-4337-17), SW-6 (890-4337-18) and SW-7 (890-4337-19).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: C-3 (890-4337-1), C-4 (890-4337-2), C-5 (890-4337-3), C-6 (890-4337-4), C-7 (890-4337-5), C-8 (890-4337-6), C-9 (890-4337-7), C-12 (890-4337-8), C-13 (890-4337-9), C-15 (890-4337-10), C-18 (890-4337-11), C-19 (890-4337-12), C-20 (890-4337-13), C-21 (890-4337-14), SW-2 (890-4337-15), SW-3 (890-4337-16), SW-4 (890-4337-17), SW-6 (890-4337-18), SW-7 (890-4337-19), (LCS 880-49188/1-A), (LCSD 880-49188/2-A), (MB 880-49188/5-A), (890-4337-A-1-G MS) and (890-4337-A-1-H MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: The method blank for preparation batch 880-48954 and analytical batch 880-48944 contained Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-49069/20), (LCS 880-49075/2-A) and (LCSD 880-49075/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-49075 and analytical batch 880-49069 was outside the upper control limits.

Method 8015MOD_NM: The method blank for preparation batch 880-49075 and analytical batch 880-49069 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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

HPLC/IC

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

Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

Client Sample ID: C-3

Lab Sample ID: 890-4337-1

Date Collected: 03/16/23 11:02

Matrix: Solid

Date Received: 03/16/23 14:53

Sample Depth: 8 FT

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg		03/22/23 11:06	03/22/23 16:24	1
Toluene	<0.000459	U	0.00201	0.000459	mg/Kg		03/22/23 11:06	03/22/23 16:24	1
Ethylbenzene	<0.000568	U	0.00201	0.000568	mg/Kg		03/22/23 11:06	03/22/23 16:24	1
m-Xylene & p-Xylene	<0.00102	U	0.00402	0.00102	mg/Kg		03/22/23 11:06	03/22/23 16:24	1
o-Xylene	<0.000346	U	0.00201	0.000346	mg/Kg		03/22/23 11:06	03/22/23 16:24	1
Xylenes, Total	<0.00102	U	0.00402	0.00102	mg/Kg		03/22/23 11:06	03/22/23 16:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130	03/22/23 11:06	03/22/23 16:24	1
1,4-Difluorobenzene (Surr)	74		70 - 130	03/22/23 11:06	03/22/23 16:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00402	0.00102	mg/Kg			03/24/23 10:11	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	23.5	J	49.9	15.0	mg/Kg			03/21/23 18:05	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	23.5	J B	49.9	15.0	mg/Kg		03/20/23 10:18	03/20/23 21:12	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		03/20/23 10:18	03/20/23 21:12	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/20/23 10:18	03/20/23 21:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	03/20/23 10:18	03/20/23 21:12	1
o-Terphenyl	93		70 - 130	03/20/23 10:18	03/20/23 21:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	151		5.05	0.399	mg/Kg			03/20/23 21:17	1

Client Sample ID: C-4

Lab Sample ID: 890-4337-2

Date Collected: 03/16/23 11:06

Matrix: Solid

Date Received: 03/16/23 14:53

Sample Depth: 8 FT

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000389	U	0.00202	0.000389	mg/Kg		03/22/23 11:06	03/22/23 16:50	1
Toluene	<0.000461	U	0.00202	0.000461	mg/Kg		03/22/23 11:06	03/22/23 16:50	1
Ethylbenzene	<0.000571	U	0.00202	0.000571	mg/Kg		03/22/23 11:06	03/22/23 16:50	1
m-Xylene & p-Xylene	<0.00102	U	0.00404	0.00102	mg/Kg		03/22/23 11:06	03/22/23 16:50	1
o-Xylene	<0.000347	U	0.00202	0.000347	mg/Kg		03/22/23 11:06	03/22/23 16:50	1
Xylenes, Total	<0.00102	U	0.00404	0.00102	mg/Kg		03/22/23 11:06	03/22/23 16:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	183	S1+	70 - 130	03/22/23 11:06	03/22/23 16:50	1

Eurofins Carlsbad

Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

Client Sample ID: C-4

Lab Sample ID: 890-4337-2

Date Collected: 03/16/23 11:06

Matrix: Solid

Date Received: 03/16/23 14:53

Sample Depth: 8 FT

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	87		70 - 130	03/22/23 11:06	03/22/23 16:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00404	0.00102	mg/Kg			03/24/23 10:11	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	28.4	J	49.9	15.0	mg/Kg			03/21/23 18:05	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	28.4	J B	49.9	15.0	mg/Kg		03/20/23 10:18	03/20/23 22:16	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		03/20/23 10:18	03/20/23 22:16	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/20/23 10:18	03/20/23 22:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				03/20/23 10:18	03/20/23 22:16	1
o-Terphenyl	101		70 - 130				03/20/23 10:18	03/20/23 22:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	93.5		5.02	0.397	mg/Kg			03/20/23 21:33	1

Client Sample ID: C-5

Lab Sample ID: 890-4337-3

Date Collected: 03/16/23 11:09

Matrix: Solid

Date Received: 03/16/23 14:53

Sample Depth: 8 FT

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		03/22/23 11:06	03/22/23 17:16	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg		03/22/23 11:06	03/22/23 17:16	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		03/22/23 11:06	03/22/23 17:16	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg		03/22/23 11:06	03/22/23 17:16	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		03/22/23 11:06	03/22/23 17:16	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		03/22/23 11:06	03/22/23 17:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130	03/22/23 11:06	03/22/23 17:16	1
1,4-Difluorobenzene (Surr)	72		70 - 130	03/22/23 11:06	03/22/23 17:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00398	0.00101	mg/Kg			03/24/23 10:11	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	42.0	J	49.9	15.0	mg/Kg			03/21/23 18:05	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

Client Sample ID: C-5

Lab Sample ID: 890-4337-3

Date Collected: 03/16/23 11:09

Matrix: Solid

Date Received: 03/16/23 14:53

Sample Depth: 8 FT

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	42.0	J B	49.9	15.0	mg/Kg		03/20/23 10:18	03/20/23 22:37	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		03/20/23 10:18	03/20/23 22:37	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/20/23 10:18	03/20/23 22:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				03/20/23 10:18	03/20/23 22:37	1
o-Terphenyl	106		70 - 130				03/20/23 10:18	03/20/23 22:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		5.01	0.396	mg/Kg			03/20/23 21:38	1

Client Sample ID: C-6

Lab Sample ID: 890-4337-4

Date Collected: 03/16/23 11:12

Matrix: Solid

Date Received: 03/16/23 14:53

Sample Depth: 8 FT

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		03/22/23 11:06	03/22/23 17:43	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg		03/22/23 11:06	03/22/23 17:43	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		03/22/23 11:06	03/22/23 17:43	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100	mg/Kg		03/22/23 11:06	03/22/23 17:43	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		03/22/23 11:06	03/22/23 17:43	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		03/22/23 11:06	03/22/23 17:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	163	S1+	70 - 130				03/22/23 11:06	03/22/23 17:43	1
1,4-Difluorobenzene (Surr)	78		70 - 130				03/22/23 11:06	03/22/23 17:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00398	0.00100	mg/Kg			03/24/23 10:11	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	28.5	J	49.9	15.0	mg/Kg			03/21/23 18:05	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	28.5	J B	49.9	15.0	mg/Kg		03/20/23 10:18	03/20/23 22:59	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		03/20/23 10:18	03/20/23 22:59	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/20/23 10:18	03/20/23 22:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				03/20/23 10:18	03/20/23 22:59	1
o-Terphenyl	95		70 - 130				03/20/23 10:18	03/20/23 22:59	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

Client Sample ID: C-6

Lab Sample ID: 890-4337-4

Date Collected: 03/16/23 11:12

Matrix: Solid

Date Received: 03/16/23 14:53

Sample Depth: 8 FT

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1240		25.2	1.99	mg/Kg			03/20/23 21:43	5

Client Sample ID: C-7

Lab Sample ID: 890-4337-5

Date Collected: 03/16/23 11:14

Matrix: Solid

Date Received: 03/16/23 14:53

Sample Depth: 8 FT

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg		03/22/23 11:06	03/22/23 18:09	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		03/22/23 11:06	03/22/23 18:09	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		03/22/23 11:06	03/22/23 18:09	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		03/22/23 11:06	03/22/23 18:09	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		03/22/23 11:06	03/22/23 18:09	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		03/22/23 11:06	03/22/23 18:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130				03/22/23 11:06	03/22/23 18:09	1
1,4-Difluorobenzene (Surr)	85		70 - 130				03/22/23 11:06	03/22/23 18:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00399	0.00101	mg/Kg			03/24/23 10:11	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	27.7	J	50.0	15.0	mg/Kg			03/21/23 18:05	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	27.7	J B	50.0	15.0	mg/Kg		03/20/23 10:18	03/20/23 23:21	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		03/20/23 10:18	03/20/23 23:21	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/20/23 10:18	03/20/23 23:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				03/20/23 10:18	03/20/23 23:21	1
o-Terphenyl	87		70 - 130				03/20/23 10:18	03/20/23 23:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1940		24.9	1.97	mg/Kg			03/20/23 21:48	5

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

Client Sample ID: C-8

Lab Sample ID: 890-4337-6

Date Collected: 03/16/23 11:17

Matrix: Solid

Date Received: 03/16/23 14:53

Sample Depth: 8 FT

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg		03/22/23 11:06	03/22/23 18:35	1
Toluene	<0.000459	U	0.00201	0.000459	mg/Kg		03/22/23 11:06	03/22/23 18:35	1
Ethylbenzene	<0.000568	U	0.00201	0.000568	mg/Kg		03/22/23 11:06	03/22/23 18:35	1
m-Xylene & p-Xylene	<0.00102	U	0.00402	0.00102	mg/Kg		03/22/23 11:06	03/22/23 18:35	1
o-Xylene	<0.000346	U	0.00201	0.000346	mg/Kg		03/22/23 11:06	03/22/23 18:35	1
Xylenes, Total	<0.00102	U	0.00402	0.00102	mg/Kg		03/22/23 11:06	03/22/23 18:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	151	S1+	70 - 130	03/22/23 11:06	03/22/23 18:35	1
1,4-Difluorobenzene (Surr)	83		70 - 130	03/22/23 11:06	03/22/23 18:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00402	0.00102	mg/Kg			03/24/23 10:11	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	47.0	J	49.9	15.0	mg/Kg			03/21/23 18:05	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	47.0	J B	49.9	15.0	mg/Kg		03/20/23 10:18	03/20/23 23:42	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		03/20/23 10:18	03/20/23 23:42	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/20/23 10:18	03/20/23 23:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	03/20/23 10:18	03/20/23 23:42	1
o-Terphenyl	106		70 - 130	03/20/23 10:18	03/20/23 23:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	162		5.00	0.395	mg/Kg			03/20/23 22:03	1

Client Sample ID: C-9

Lab Sample ID: 890-4337-7

Date Collected: 03/16/23 11:21

Matrix: Solid

Date Received: 03/16/23 14:53

Sample Depth: 8 FT

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg		03/22/23 11:06	03/22/23 19:01	1
Toluene	<0.000458	U	0.00201	0.000458	mg/Kg		03/22/23 11:06	03/22/23 19:01	1
Ethylbenzene	<0.000567	U	0.00201	0.000567	mg/Kg		03/22/23 11:06	03/22/23 19:01	1
m-Xylene & p-Xylene	<0.00101	U	0.00402	0.00101	mg/Kg		03/22/23 11:06	03/22/23 19:01	1
o-Xylene	<0.000345	U	0.00201	0.000345	mg/Kg		03/22/23 11:06	03/22/23 19:01	1
Xylenes, Total	<0.00101	U	0.00402	0.00101	mg/Kg		03/22/23 11:06	03/22/23 19:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	159	S1+	70 - 130	03/22/23 11:06	03/22/23 19:01	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

Client Sample ID: C-9

Lab Sample ID: 890-4337-7

Date Collected: 03/16/23 11:21

Matrix: Solid

Date Received: 03/16/23 14:53

Sample Depth: 8 FT

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	77		70 - 130	03/22/23 11:06	03/22/23 19:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00402	0.00101	mg/Kg			03/24/23 10:11	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	37.9	J	49.9	15.0	mg/Kg			03/21/23 18:05	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	37.9	J B	49.9	15.0	mg/Kg		03/20/23 10:18	03/21/23 00:05	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		03/20/23 10:18	03/21/23 00:05	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/20/23 10:18	03/21/23 00:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				03/20/23 10:18	03/21/23 00:05	1
o-Terphenyl	87		70 - 130				03/20/23 10:18	03/21/23 00:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	402		4.97	0.393	mg/Kg			03/20/23 22:08	1

Client Sample ID: C-12

Lab Sample ID: 890-4337-8

Date Collected: 03/16/23 11:27

Matrix: Solid

Date Received: 03/16/23 14:53

Sample Depth: 8 FT

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		03/22/23 11:06	03/22/23 19:27	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg		03/22/23 11:06	03/22/23 19:27	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		03/22/23 11:06	03/22/23 19:27	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg		03/22/23 11:06	03/22/23 19:27	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		03/22/23 11:06	03/22/23 19:27	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		03/22/23 11:06	03/22/23 19:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	147	S1+	70 - 130	03/22/23 11:06	03/22/23 19:27	1
1,4-Difluorobenzene (Surr)	79		70 - 130	03/22/23 11:06	03/22/23 19:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00398	0.00101	mg/Kg			03/24/23 10:11	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	26.7	J	49.9	15.0	mg/Kg			03/21/23 18:05	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

Client Sample ID: C-12

Lab Sample ID: 890-4337-8

Date Collected: 03/16/23 11:27

Matrix: Solid

Date Received: 03/16/23 14:53

Sample Depth: 8 FT

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	26.7	J B	49.9	15.0	mg/Kg		03/20/23 10:18	03/21/23 00:27	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		03/20/23 10:18	03/21/23 00:27	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/20/23 10:18	03/21/23 00:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				03/20/23 10:18	03/21/23 00:27	1
o-Terphenyl	83		70 - 130				03/20/23 10:18	03/21/23 00:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	215		5.03	0.397	mg/Kg			03/20/23 22:13	1

Client Sample ID: C-13

Lab Sample ID: 890-4337-9

Date Collected: 03/16/23 11:33

Matrix: Solid

Date Received: 03/16/23 14:53

Sample Depth: 8 FT

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000381	U	0.00198	0.000381	mg/Kg		03/22/23 11:06	03/22/23 19:54	1
Toluene	<0.000451	U	0.00198	0.000451	mg/Kg		03/22/23 11:06	03/22/23 19:54	1
Ethylbenzene	<0.000559	U	0.00198	0.000559	mg/Kg		03/22/23 11:06	03/22/23 19:54	1
m-Xylene & p-Xylene	<0.00100	U	0.00396	0.00100	mg/Kg		03/22/23 11:06	03/22/23 19:54	1
o-Xylene	<0.000341	U	0.00198	0.000341	mg/Kg		03/22/23 11:06	03/22/23 19:54	1
Xylenes, Total	<0.00100	U	0.00396	0.00100	mg/Kg		03/22/23 11:06	03/22/23 19:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	151	S1+	70 - 130				03/22/23 11:06	03/22/23 19:54	1
1,4-Difluorobenzene (Surr)	86		70 - 130				03/22/23 11:06	03/22/23 19:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00396	0.00100	mg/Kg			03/24/23 10:11	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	27.0	J	50.0	15.0	mg/Kg			03/21/23 18:05	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	27.0	J B	50.0	15.0	mg/Kg		03/20/23 10:18	03/21/23 00:48	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		03/20/23 10:18	03/21/23 00:48	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/20/23 10:18	03/21/23 00:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				03/20/23 10:18	03/21/23 00:48	1
o-Terphenyl	90		70 - 130				03/20/23 10:18	03/21/23 00:48	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

Client Sample ID: C-13

Lab Sample ID: 890-4337-9

Date Collected: 03/16/23 11:33

Matrix: Solid

Date Received: 03/16/23 14:53

Sample Depth: 8 FT

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	123		5.00	0.395	mg/Kg			03/20/23 22:18	1

Client Sample ID: C-15

Lab Sample ID: 890-4337-10

Date Collected: 03/16/23 11:39

Matrix: Solid

Date Received: 03/16/23 14:53

Sample Depth: 8 FT

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		03/22/23 11:06	03/22/23 20:20	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg		03/22/23 11:06	03/22/23 20:20	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		03/22/23 11:06	03/22/23 20:20	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100	mg/Kg		03/22/23 11:06	03/22/23 20:20	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		03/22/23 11:06	03/22/23 20:20	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		03/22/23 11:06	03/22/23 20:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	167	S1+	70 - 130				03/22/23 11:06	03/22/23 20:20	1
1,4-Difluorobenzene (Surr)	70		70 - 130				03/22/23 11:06	03/22/23 20:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00398	0.00100	mg/Kg			03/24/23 10:11	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	98.7		50.0	15.0	mg/Kg			03/21/23 18:05	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		03/20/23 10:18	03/21/23 06:33	1
Diesel Range Organics (Over C10-C28)	98.7	B	50.0	15.0	mg/Kg		03/20/23 10:18	03/21/23 06:33	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/20/23 10:18	03/21/23 06:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				03/20/23 10:18	03/21/23 06:33	1
o-Terphenyl	76		70 - 130				03/20/23 10:18	03/21/23 06:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.3		5.02	0.397	mg/Kg			03/20/23 22:23	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

Client Sample ID: C-18

Lab Sample ID: 890-4337-11

Date Collected: 03/16/23 11:51

Matrix: Solid

Date Received: 03/16/23 14:53

Sample Depth: 6FT

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg		03/22/23 11:06	03/22/23 22:07	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		03/22/23 11:06	03/22/23 22:07	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		03/22/23 11:06	03/22/23 22:07	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		03/22/23 11:06	03/22/23 22:07	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		03/22/23 11:06	03/22/23 22:07	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		03/22/23 11:06	03/22/23 22:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	147	S1+	70 - 130	03/22/23 11:06	03/22/23 22:07	1
1,4-Difluorobenzene (Surr)	79		70 - 130	03/22/23 11:06	03/22/23 22:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00399	0.00101	mg/Kg			03/24/23 10:11	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	33.6	J	50.0	15.0	mg/Kg			03/21/23 18:05	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	33.6	J	50.0	15.0	mg/Kg		03/21/23 07:48	03/21/23 11:05	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		03/21/23 07:48	03/21/23 11:05	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/21/23 07:48	03/21/23 11:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	03/21/23 07:48	03/21/23 11:05	1
o-Terphenyl	106		70 - 130	03/21/23 07:48	03/21/23 11:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88.0		5.02	0.397	mg/Kg			03/20/23 22:28	1

Client Sample ID: C-19

Lab Sample ID: 890-4337-12

Date Collected: 03/16/23 11:56

Matrix: Solid

Date Received: 03/16/23 14:53

Sample Depth: 6FT

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg		03/22/23 11:06	03/22/23 22:33	1
Toluene	<0.000459	U	0.00201	0.000459	mg/Kg		03/22/23 11:06	03/22/23 22:33	1
Ethylbenzene	<0.000568	U	0.00201	0.000568	mg/Kg		03/22/23 11:06	03/22/23 22:33	1
m-Xylene & p-Xylene	<0.00102	U	0.00402	0.00102	mg/Kg		03/22/23 11:06	03/22/23 22:33	1
o-Xylene	<0.000346	U	0.00201	0.000346	mg/Kg		03/22/23 11:06	03/22/23 22:33	1
Xylenes, Total	<0.00102	U	0.00402	0.00102	mg/Kg		03/22/23 11:06	03/22/23 22:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	158	S1+	70 - 130	03/22/23 11:06	03/22/23 22:33	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

Client Sample ID: C-19

Lab Sample ID: 890-4337-12

Date Collected: 03/16/23 11:56

Matrix: Solid

Date Received: 03/16/23 14:53

Sample Depth: 6FT

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	81		70 - 130	03/22/23 11:06	03/22/23 22:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00402	0.00102	mg/Kg			03/24/23 10:11	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	21.2	J	50.0	15.0	mg/Kg			03/21/23 18:05	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	21.2	J	50.0	15.0	mg/Kg		03/21/23 07:48	03/21/23 12:12	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		03/21/23 07:48	03/21/23 12:12	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/21/23 07:48	03/21/23 12:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				03/21/23 07:48	03/21/23 12:12	1
o-Terphenyl	88		70 - 130				03/21/23 07:48	03/21/23 12:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	756		4.98	0.393	mg/Kg			03/20/23 22:43	1

Client Sample ID: C-20

Lab Sample ID: 890-4337-13

Date Collected: 03/16/23 12:09

Matrix: Solid

Date Received: 03/16/23 14:53

Sample Depth: 6FT

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000386	U	0.00200	0.000386	mg/Kg		03/22/23 11:06	03/22/23 23:00	1
Toluene	<0.000457	U	0.00200	0.000457	mg/Kg		03/22/23 11:06	03/22/23 23:00	1
Ethylbenzene	<0.000566	U	0.00200	0.000566	mg/Kg		03/22/23 11:06	03/22/23 23:00	1
m-Xylene & p-Xylene	<0.00101	U	0.00401	0.00101	mg/Kg		03/22/23 11:06	03/22/23 23:00	1
o-Xylene	<0.000345	U	0.00200	0.000345	mg/Kg		03/22/23 11:06	03/22/23 23:00	1
Xylenes, Total	<0.00101	U	0.00401	0.00101	mg/Kg		03/22/23 11:06	03/22/23 23:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	152	S1+	70 - 130	03/22/23 11:06	03/22/23 23:00	1
1,4-Difluorobenzene (Surr)	83		70 - 130	03/22/23 11:06	03/22/23 23:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00401	0.00101	mg/Kg			03/24/23 10:11	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<14.9	U	49.8	14.9	mg/Kg			03/21/23 18:05	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

Client Sample ID: C-20

Lab Sample ID: 890-4337-13

Date Collected: 03/16/23 12:09

Matrix: Solid

Date Received: 03/16/23 14:53

Sample Depth: 6FT

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.9	U	49.8	14.9	mg/Kg		03/21/23 07:48	03/21/23 12:34	1
Diesel Range Organics (Over C10-C28)	<14.9	U	49.8	14.9	mg/Kg		03/21/23 07:48	03/21/23 12:34	1
Oil Range Organics (Over C28-C36)	<14.9	U	49.8	14.9	mg/Kg		03/21/23 07:48	03/21/23 12:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				03/21/23 07:48	03/21/23 12:34	1
o-Terphenyl	106		70 - 130				03/21/23 07:48	03/21/23 12:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	594		4.96	0.392	mg/Kg			03/20/23 22:48	1

Client Sample ID: C-21

Lab Sample ID: 890-4337-14

Date Collected: 03/16/23 12:11

Matrix: Solid

Date Received: 03/16/23 14:53

Sample Depth: 6FT

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000381	U	0.00198	0.000381	mg/Kg		03/22/23 11:06	03/22/23 23:26	1
Toluene	<0.000451	U	0.00198	0.000451	mg/Kg		03/22/23 11:06	03/22/23 23:26	1
Ethylbenzene	<0.000559	U	0.00198	0.000559	mg/Kg		03/22/23 11:06	03/22/23 23:26	1
m-Xylene & p-Xylene	<0.00100	U	0.00396	0.00100	mg/Kg		03/22/23 11:06	03/22/23 23:26	1
o-Xylene	<0.000341	U	0.00198	0.000341	mg/Kg		03/22/23 11:06	03/22/23 23:26	1
Xylenes, Total	<0.00100	U	0.00396	0.00100	mg/Kg		03/22/23 11:06	03/22/23 23:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	163	S1+	70 - 130				03/22/23 11:06	03/22/23 23:26	1
1,4-Difluorobenzene (Surr)	82		70 - 130				03/22/23 11:06	03/22/23 23:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00396	0.00100	mg/Kg			03/24/23 10:11	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	17.9	J	50.0	15.0	mg/Kg			03/21/23 18:05	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	17.9	J	50.0	15.0	mg/Kg		03/21/23 07:48	03/21/23 12:56	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		03/21/23 07:48	03/21/23 12:56	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/21/23 07:48	03/21/23 12:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				03/21/23 07:48	03/21/23 12:56	1
o-Terphenyl	98		70 - 130				03/21/23 07:48	03/21/23 12:56	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

Client Sample ID: C-21

Lab Sample ID: 890-4337-14

Date Collected: 03/16/23 12:11

Matrix: Solid

Date Received: 03/16/23 14:53

Sample Depth: 6FT

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	453		5.00	0.395	mg/Kg			03/20/23 23:03	1

Client Sample ID: SW-2

Lab Sample ID: 890-4337-15

Date Collected: 03/16/23 10:56

Matrix: Solid

Date Received: 03/16/23 14:53

Sample Depth: 3FT

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		03/22/23 11:06	03/22/23 23:52	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg		03/22/23 11:06	03/22/23 23:52	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		03/22/23 11:06	03/22/23 23:52	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg		03/22/23 11:06	03/22/23 23:52	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		03/22/23 11:06	03/22/23 23:52	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		03/22/23 11:06	03/22/23 23:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	151	S1+	70 - 130				03/22/23 11:06	03/22/23 23:52	1
1,4-Difluorobenzene (Surr)	86		70 - 130				03/22/23 11:06	03/22/23 23:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00398	0.00101	mg/Kg			03/24/23 10:11	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	20.6	J	49.9	15.0	mg/Kg			03/21/23 18:05	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	20.6	J	49.9	15.0	mg/Kg		03/21/23 07:48	03/21/23 13:18	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		03/21/23 07:48	03/21/23 13:18	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/21/23 07:48	03/21/23 13:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				03/21/23 07:48	03/21/23 13:18	1
o-Terphenyl	95		70 - 130				03/21/23 07:48	03/21/23 13:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.5		4.95	0.391	mg/Kg			03/20/23 23:09	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

Client Sample ID: SW-3

Lab Sample ID: 890-4337-16

Date Collected: 03/16/23 10:59

Matrix: Solid

Date Received: 03/16/23 14:53

Sample Depth: 3FT

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg	-	03/22/23 11:06	03/23/23 00:18	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg	-	03/22/23 11:06	03/23/23 00:18	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg	-	03/22/23 11:06	03/23/23 00:18	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100	mg/Kg	-	03/22/23 11:06	03/23/23 00:18	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg	-	03/22/23 11:06	03/23/23 00:18	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg	-	03/22/23 11:06	03/23/23 00:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	149	S1+	70 - 130	03/22/23 11:06	03/23/23 00:18	1
1,4-Difluorobenzene (Surr)	86		70 - 130	03/22/23 11:06	03/23/23 00:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00398	0.00100	mg/Kg	-		03/24/23 10:11	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<14.9	U	49.8	14.9	mg/Kg	-		03/21/23 18:05	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.9	U	49.8	14.9	mg/Kg	-	03/21/23 07:48	03/21/23 13:40	1
Diesel Range Organics (Over C10-C28)	<14.9	U	49.8	14.9	mg/Kg	-	03/21/23 07:48	03/21/23 13:40	1
Oil Range Organics (Over C28-C36)	<14.9	U	49.8	14.9	mg/Kg	-	03/21/23 07:48	03/21/23 13:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	03/21/23 07:48	03/21/23 13:40	1
o-Terphenyl	107		70 - 130	03/21/23 07:48	03/21/23 13:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.0		4.95	0.391	mg/Kg	-		03/20/23 23:14	1

Client Sample ID: SW-4

Lab Sample ID: 890-4337-17

Date Collected: 03/16/23 11:01

Matrix: Solid

Date Received: 03/16/23 14:53

Sample Depth: 3FT

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg	-	03/22/23 11:06	03/23/23 00:45	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg	-	03/22/23 11:06	03/23/23 00:45	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg	-	03/22/23 11:06	03/23/23 00:45	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg	-	03/22/23 11:06	03/23/23 00:45	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg	-	03/22/23 11:06	03/23/23 00:45	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg	-	03/22/23 11:06	03/23/23 00:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	154	S1+	70 - 130	03/22/23 11:06	03/23/23 00:45	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

Client Sample ID: SW-4

Lab Sample ID: 890-4337-17

Date Collected: 03/16/23 11:01

Matrix: Solid

Date Received: 03/16/23 14:53

Sample Depth: 3FT

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	84		70 - 130	03/22/23 11:06	03/23/23 00:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00399	0.00101	mg/Kg			03/24/23 10:11	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	17.0	J	50.0	15.0	mg/Kg			03/21/23 18:05	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	17.0	J	50.0	15.0	mg/Kg		03/21/23 07:48	03/21/23 14:01	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		03/21/23 07:48	03/21/23 14:01	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/21/23 07:48	03/21/23 14:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				03/21/23 07:48	03/21/23 14:01	1
o-Terphenyl	91		70 - 130				03/21/23 07:48	03/21/23 14:01	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.2		5.04	0.398	mg/Kg			03/20/23 23:19	1

Client Sample ID: SW-6

Lab Sample ID: 890-4337-18

Date Collected: 03/16/23 12:19

Matrix: Solid

Date Received: 03/16/23 14:53

Sample Depth: 3FT

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		03/22/23 11:06	03/23/23 01:11	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg		03/22/23 11:06	03/23/23 01:11	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		03/22/23 11:06	03/23/23 01:11	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg		03/22/23 11:06	03/23/23 01:11	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		03/22/23 11:06	03/23/23 01:11	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		03/22/23 11:06	03/23/23 01:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	153	S1+	70 - 130	03/22/23 11:06	03/23/23 01:11	1
1,4-Difluorobenzene (Surr)	86		70 - 130	03/22/23 11:06	03/23/23 01:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00398	0.00101	mg/Kg			03/24/23 10:11	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	23.2	J	49.9	15.0	mg/Kg			03/21/23 18:05	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

Client Sample ID: SW-6

Lab Sample ID: 890-4337-18

Date Collected: 03/16/23 12:19

Matrix: Solid

Date Received: 03/16/23 14:53

Sample Depth: 3FT

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	23.2	J	49.9	15.0	mg/Kg		03/21/23 07:48	03/21/23 14:23	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		03/21/23 07:48	03/21/23 14:23	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/21/23 07:48	03/21/23 14:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				03/21/23 07:48	03/21/23 14:23	1
o-Terphenyl	100		70 - 130				03/21/23 07:48	03/21/23 14:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	89.4		4.98	0.393	mg/Kg			03/20/23 23:24	1

Client Sample ID: SW-7

Lab Sample ID: 890-4337-19

Date Collected: 03/16/23 12:23

Matrix: Solid

Date Received: 03/16/23 14:53

Sample Depth: 3FT

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg		03/22/23 11:06	03/23/23 01:38	1
Toluene	<0.000459	U	0.00201	0.000459	mg/Kg		03/22/23 11:06	03/23/23 01:38	1
Ethylbenzene	<0.000568	U	0.00201	0.000568	mg/Kg		03/22/23 11:06	03/23/23 01:38	1
m-Xylene & p-Xylene	<0.00102	U	0.00402	0.00102	mg/Kg		03/22/23 11:06	03/23/23 01:38	1
o-Xylene	<0.000346	U	0.00201	0.000346	mg/Kg		03/22/23 11:06	03/23/23 01:38	1
Xylenes, Total	<0.00102	U	0.00402	0.00102	mg/Kg		03/22/23 11:06	03/23/23 01:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	159	S1+	70 - 130				03/22/23 11:06	03/23/23 01:38	1
1,4-Difluorobenzene (Surr)	76		70 - 130				03/22/23 11:06	03/23/23 01:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00402	0.00102	mg/Kg			03/24/23 10:11	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	23.9	J	50.0	15.0	mg/Kg			03/21/23 18:05	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	23.9	J	50.0	15.0	mg/Kg		03/21/23 07:48	03/21/23 14:46	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		03/21/23 07:48	03/21/23 14:46	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/21/23 07:48	03/21/23 14:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				03/21/23 07:48	03/21/23 14:46	1
o-Terphenyl	95		70 - 130				03/21/23 07:48	03/21/23 14:46	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

Client Sample ID: SW-7
Date Collected: 03/16/23 12:23
Date Received: 03/16/23 14:53
Sample Depth: 3FT

Lab Sample ID: 890-4337-19
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	108		5.03	0.397	mg/Kg			03/20/23 23:29	1

Surrogate Summary

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-4337-1	C-3	145 S1+	74
890-4337-1 MS	C-3	152 S1+	107
890-4337-1 MSD	C-3	139 S1+	84
890-4337-2	C-4	183 S1+	87
890-4337-3	C-5	144 S1+	72
890-4337-4	C-6	163 S1+	78
890-4337-5	C-7	148 S1+	85
890-4337-6	C-8	151 S1+	83
890-4337-7	C-9	159 S1+	77
890-4337-8	C-12	147 S1+	79
890-4337-9	C-13	151 S1+	86
890-4337-10	C-15	167 S1+	70
890-4337-11	C-18	147 S1+	79
890-4337-12	C-19	158 S1+	81
890-4337-13	C-20	152 S1+	83
890-4337-14	C-21	163 S1+	82
890-4337-15	SW-2	151 S1+	86
890-4337-16	SW-3	149 S1+	86
890-4337-17	SW-4	154 S1+	84
890-4337-18	SW-6	153 S1+	86
890-4337-19	SW-7	159 S1+	76
LCS 880-49188/1-A	Lab Control Sample	142 S1+	90
LCSD 880-49188/2-A	Lab Control Sample Dup	138 S1+	103
MB 880-49188/5-A	Method Blank	93	78
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-4337-1	C-3	88	93
890-4337-1 MS	C-3	91	90
890-4337-1 MSD	C-3	90	90
890-4337-2	C-4	98	101
890-4337-3	C-5	105	106
890-4337-4	C-6	101	95
890-4337-5	C-7	85	87
890-4337-6	C-8	103	106
890-4337-7	C-9	82	87
890-4337-8	C-12	79	83
890-4337-9	C-13	87	90
890-4337-10	C-15	76	76
890-4337-11	C-18	90	106
890-4337-11 MS	C-18	106	115
890-4337-11 MSD	C-18	105	113

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Surrogate Summary

Client: Talon/LPE

Job ID: 890-4337-1

Project/Site: Benson 3 Fed Com 8

SDG: Eddy County NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-4337-12	C-19	75	88
890-4337-13	C-20	94	106
890-4337-14	C-21	84	98
890-4337-15	SW-2	81	95
890-4337-16	SW-3	93	107
890-4337-17	SW-4	78	91
890-4337-18	SW-6	89	100
890-4337-19	SW-7	80	95
LCS 880-48954/2-A	Lab Control Sample	88	97
LCS 880-49075/2-A	Lab Control Sample	124	152 S1+
LCSD 880-48954/3-A	Lab Control Sample Dup	86	99
LCSD 880-49075/3-A	Lab Control Sample Dup	126	156 S1+
MB 880-48954/1-A	Method Blank	122	129
MB 880-49075/1-A	Method Blank	135 S1+	164 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-49188/5-A

Matrix: Solid

Analysis Batch: 49201

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49188

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		03/22/23 11:06	03/22/23 15:58	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		03/22/23 11:06	03/22/23 15:58	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		03/22/23 11:06	03/22/23 15:58	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		03/22/23 11:06	03/22/23 15:58	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		03/22/23 11:06	03/22/23 15:58	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		03/22/23 11:06	03/22/23 15:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	03/22/23 11:06	03/22/23 15:58	1
1,4-Difluorobenzene (Surr)	78		70 - 130	03/22/23 11:06	03/22/23 15:58	1

Lab Sample ID: LCS 880-49188/1-A

Matrix: Solid

Analysis Batch: 49201

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 49188

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1137		mg/Kg		114	70 - 130
Toluene	0.100	0.1038		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.1130		mg/Kg		113	70 - 130
m-Xylene & p-Xylene	0.200	0.2366		mg/Kg		118	70 - 130
o-Xylene	0.100	0.1135		mg/Kg		113	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	142	S1+	70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: LCSD 880-49188/2-A

Matrix: Solid

Analysis Batch: 49201

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 49188

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1278		mg/Kg		128	70 - 130	12	35
Toluene	0.100	0.1072		mg/Kg		107	70 - 130	3	35
Ethylbenzene	0.100	0.1152		mg/Kg		115	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2393		mg/Kg		120	70 - 130	1	35
o-Xylene	0.100	0.1150		mg/Kg		115	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 890-4337-1 MS

Matrix: Solid

Analysis Batch: 49201

Client Sample ID: C-3

Prep Type: Total/NA

Prep Batch: 49188

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.000387	U	0.0990	0.1101		mg/Kg		111	70 - 130
Toluene	<0.000459	U	0.0990	0.1013		mg/Kg		102	70 - 130

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QC Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

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

Lab Sample ID: 890-4337-1 MS

Matrix: Solid

Analysis Batch: 49201

Client Sample ID: C-3

Prep Type: Total/NA

Prep Batch: 49188

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.000568	U	0.0990	0.1112		mg/Kg		112	70 - 130
m-Xylene & p-Xylene	<0.00102	U	0.198	0.2327		mg/Kg		118	70 - 130
o-Xylene	<0.000346	U	0.0990	0.1111		mg/Kg		112	70 - 130
Surrogate	MS %Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	152	S1+	70 - 130						
1,4-Difluorobenzene (Surr)	107		70 - 130						

Lab Sample ID: 890-4337-1 MSD

Matrix: Solid

Analysis Batch: 49201

Client Sample ID: C-3

Prep Type: Total/NA

Prep Batch: 49188

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.000387	U	0.100	0.09357		mg/Kg		93	70 - 130	16	35
Toluene	<0.000459	U	0.100	0.09077		mg/Kg		90	70 - 130	11	35
Ethylbenzene	<0.000568	U	0.100	0.1005		mg/Kg		100	70 - 130	10	35
m-Xylene & p-Xylene	<0.00102	U	0.201	0.2093		mg/Kg		104	70 - 130	11	35
o-Xylene	<0.000346	U	0.100	0.09911		mg/Kg		99	70 - 130	11	35
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130								
1,4-Difluorobenzene (Surr)	84		70 - 130								

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

Lab Sample ID: MB 880-48954/1-A

Matrix: Solid

Analysis Batch: 48944

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48954

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	21.26	J	50.0	15.0	mg/Kg		03/20/23 10:18	03/20/23 20:08	1
Diesel Range Organics (Over C10-C28)	16.66	J	50.0	15.0	mg/Kg		03/20/23 10:18	03/20/23 20:08	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/20/23 10:18	03/20/23 20:08	1
Surrogate	MB %Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				03/20/23 10:18	03/20/23 20:08	1
o-Terphenyl	129		70 - 130				03/20/23 10:18	03/20/23 20:08	1

Lab Sample ID: LCS 880-48954/2-A

Matrix: Solid

Analysis Batch: 48944

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48954

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	857.5		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	1000	824.6		mg/Kg		82	70 - 130

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QC Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

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

Lab Sample ID: LCS 880-48954/2-A
Matrix: Solid
Analysis Batch: 48944

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48954

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

Lab Sample ID: LCSD 880-48954/3-A
Matrix: Solid
Analysis Batch: 48944

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48954

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	833.4		mg/Kg		83	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	850.1		mg/Kg		85	70 - 130	3	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: 890-4337-1 MS
Matrix: Solid
Analysis Batch: 48944

Client Sample ID: C-3
Prep Type: Total/NA
Prep Batch: 48954

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	23.5	J B	998	1045		mg/Kg		102	70 - 130		
Diesel Range Organics (Over C10-C28)	<15.0	U	998	930.3		mg/Kg		93	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: 890-4337-1 MSD
Matrix: Solid
Analysis Batch: 48944

Client Sample ID: C-3
Prep Type: Total/NA
Prep Batch: 48954

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	23.5	J B	999	1013		mg/Kg		99	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<15.0	U	999	928.0		mg/Kg		93	70 - 130	0	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	90		70 - 130

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QC Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

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

Lab Sample ID: MB 880-49075/1-A

Matrix: Solid

Analysis Batch: 49069

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49075

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		03/21/23 07:48	03/21/23 08:28	1
Diesel Range Organics (Over C10-C28)	15.94	J	50.0	15.0	mg/Kg		03/21/23 07:48	03/21/23 08:28	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/21/23 07:48	03/21/23 08:28	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130				03/21/23 07:48	03/21/23 08:28	1
o-Terphenyl	164	S1+	70 - 130				03/21/23 07:48	03/21/23 08:28	1

Lab Sample ID: LCS 880-49075/2-A

Matrix: Solid

Analysis Batch: 49069

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 49075

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1095		mg/Kg		109	70 - 130
Diesel Range Organics (Over C10-C28)	1000	999.9		mg/Kg		100	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	124		70 - 130				
o-Terphenyl	152	S1+	70 - 130				

Lab Sample ID: LCSD 880-49075/3-A

Matrix: Solid

Analysis Batch: 49069

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 49075

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1101		mg/Kg		110	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1017		mg/Kg		102	70 - 130	2	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	126		70 - 130						
o-Terphenyl	156	S1+	70 - 130						

Lab Sample ID: 890-4337-11 MS

Matrix: Solid

Analysis Batch: 49069

Client Sample ID: C-18

Prep Type: Total/NA

Prep Batch: 49075

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	33.6	J	998	988.0		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	<15.0	U	998	1114		mg/Kg		112	70 - 130

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QC Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

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

Lab Sample ID: 890-4337-11 MS

Matrix: Solid

Analysis Batch: 49069

Client Sample ID: C-18

Prep Type: Total/NA

Prep Batch: 49075

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	115		70 - 130

Lab Sample ID: 890-4337-11 MSD

Matrix: Solid

Analysis Batch: 49069

Client Sample ID: C-18

Prep Type: Total/NA

Prep Batch: 49075

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	33.6	J	998	992.8		mg/Kg		96	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<15.0	U	998	1093		mg/Kg		109	70 - 130	2	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	105		70 - 130								
o-Terphenyl	113		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-48959/1-A

Matrix: Solid

Analysis Batch: 49138

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	5.00	0.395	mg/Kg			03/20/23 21:02	1

Lab Sample ID: LCS 880-48959/2-A

Matrix: Solid

Analysis Batch: 49138

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	256.0		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-48959/3-A

Matrix: Solid

Analysis Batch: 49138

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	255.3		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 890-4337-1 MS

Matrix: Solid

Analysis Batch: 49138

Client Sample ID: C-3

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	151		253	396.5		mg/Kg		97	90 - 110

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QC Sample Results

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-4337-1 MSD Matrix: Solid Analysis Batch: 49138										Client Sample ID: C-3 Prep Type: Soluble		
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	151		253	397.3		mg/Kg		98	90 - 110	0	20	
Lab Sample ID: 890-4337-11 MS Matrix: Solid Analysis Batch: 49138										Client Sample ID: C-18 Prep Type: Soluble		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits			
Chloride	88.0		251	336.1		mg/Kg		99	90 - 110			
Lab Sample ID: 890-4337-11 MSD Matrix: Solid Analysis Batch: 49138										Client Sample ID: C-18 Prep Type: Soluble		
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	88.0		251	334.1		mg/Kg		98	90 - 110	1	20	

QC Association Summary

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

GC VOA

Prep Batch: 49188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4337-1	C-3	Total/NA	Solid	5035	
890-4337-2	C-4	Total/NA	Solid	5035	
890-4337-3	C-5	Total/NA	Solid	5035	
890-4337-4	C-6	Total/NA	Solid	5035	
890-4337-5	C-7	Total/NA	Solid	5035	
890-4337-6	C-8	Total/NA	Solid	5035	
890-4337-7	C-9	Total/NA	Solid	5035	
890-4337-8	C-12	Total/NA	Solid	5035	
890-4337-9	C-13	Total/NA	Solid	5035	
890-4337-10	C-15	Total/NA	Solid	5035	
890-4337-11	C-18	Total/NA	Solid	5035	
890-4337-12	C-19	Total/NA	Solid	5035	
890-4337-13	C-20	Total/NA	Solid	5035	
890-4337-14	C-21	Total/NA	Solid	5035	
890-4337-15	SW-2	Total/NA	Solid	5035	
890-4337-16	SW-3	Total/NA	Solid	5035	
890-4337-17	SW-4	Total/NA	Solid	5035	
890-4337-18	SW-6	Total/NA	Solid	5035	
890-4337-19	SW-7	Total/NA	Solid	5035	
MB 880-49188/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-49188/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-49188/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4337-1 MS	C-3	Total/NA	Solid	5035	
890-4337-1 MSD	C-3	Total/NA	Solid	5035	

Analysis Batch: 49201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4337-1	C-3	Total/NA	Solid	8021B	49188
890-4337-2	C-4	Total/NA	Solid	8021B	49188
890-4337-3	C-5	Total/NA	Solid	8021B	49188
890-4337-4	C-6	Total/NA	Solid	8021B	49188
890-4337-5	C-7	Total/NA	Solid	8021B	49188
890-4337-6	C-8	Total/NA	Solid	8021B	49188
890-4337-7	C-9	Total/NA	Solid	8021B	49188
890-4337-8	C-12	Total/NA	Solid	8021B	49188
890-4337-9	C-13	Total/NA	Solid	8021B	49188
890-4337-10	C-15	Total/NA	Solid	8021B	49188
890-4337-11	C-18	Total/NA	Solid	8021B	49188
890-4337-12	C-19	Total/NA	Solid	8021B	49188
890-4337-13	C-20	Total/NA	Solid	8021B	49188
890-4337-14	C-21	Total/NA	Solid	8021B	49188
890-4337-15	SW-2	Total/NA	Solid	8021B	49188
890-4337-16	SW-3	Total/NA	Solid	8021B	49188
890-4337-17	SW-4	Total/NA	Solid	8021B	49188
890-4337-18	SW-6	Total/NA	Solid	8021B	49188
890-4337-19	SW-7	Total/NA	Solid	8021B	49188
MB 880-49188/5-A	Method Blank	Total/NA	Solid	8021B	49188
LCS 880-49188/1-A	Lab Control Sample	Total/NA	Solid	8021B	49188
LCSD 880-49188/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	49188
890-4337-1 MS	C-3	Total/NA	Solid	8021B	49188
890-4337-1 MSD	C-3	Total/NA	Solid	8021B	49188

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QC Association Summary

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

GC VOA

Analysis Batch: 49389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4337-1	C-3	Total/NA	Solid	Total BTEX	
890-4337-2	C-4	Total/NA	Solid	Total BTEX	
890-4337-3	C-5	Total/NA	Solid	Total BTEX	
890-4337-4	C-6	Total/NA	Solid	Total BTEX	
890-4337-5	C-7	Total/NA	Solid	Total BTEX	
890-4337-6	C-8	Total/NA	Solid	Total BTEX	
890-4337-7	C-9	Total/NA	Solid	Total BTEX	
890-4337-8	C-12	Total/NA	Solid	Total BTEX	
890-4337-9	C-13	Total/NA	Solid	Total BTEX	
890-4337-10	C-15	Total/NA	Solid	Total BTEX	
890-4337-11	C-18	Total/NA	Solid	Total BTEX	
890-4337-12	C-19	Total/NA	Solid	Total BTEX	
890-4337-13	C-20	Total/NA	Solid	Total BTEX	
890-4337-14	C-21	Total/NA	Solid	Total BTEX	
890-4337-15	SW-2	Total/NA	Solid	Total BTEX	
890-4337-16	SW-3	Total/NA	Solid	Total BTEX	
890-4337-17	SW-4	Total/NA	Solid	Total BTEX	
890-4337-18	SW-6	Total/NA	Solid	Total BTEX	
890-4337-19	SW-7	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 48944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4337-1	C-3	Total/NA	Solid	8015B NM	48954
890-4337-2	C-4	Total/NA	Solid	8015B NM	48954
890-4337-3	C-5	Total/NA	Solid	8015B NM	48954
890-4337-4	C-6	Total/NA	Solid	8015B NM	48954
890-4337-5	C-7	Total/NA	Solid	8015B NM	48954
890-4337-6	C-8	Total/NA	Solid	8015B NM	48954
890-4337-7	C-9	Total/NA	Solid	8015B NM	48954
890-4337-8	C-12	Total/NA	Solid	8015B NM	48954
890-4337-9	C-13	Total/NA	Solid	8015B NM	48954
890-4337-10	C-15	Total/NA	Solid	8015B NM	48954
MB 880-48954/1-A	Method Blank	Total/NA	Solid	8015B NM	48954
LCS 880-48954/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48954
LCSD 880-48954/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48954
890-4337-1 MS	C-3	Total/NA	Solid	8015B NM	48954
890-4337-1 MSD	C-3	Total/NA	Solid	8015B NM	48954

Prep Batch: 48954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4337-1	C-3	Total/NA	Solid	8015NM Prep	
890-4337-2	C-4	Total/NA	Solid	8015NM Prep	
890-4337-3	C-5	Total/NA	Solid	8015NM Prep	
890-4337-4	C-6	Total/NA	Solid	8015NM Prep	
890-4337-5	C-7	Total/NA	Solid	8015NM Prep	
890-4337-6	C-8	Total/NA	Solid	8015NM Prep	
890-4337-7	C-9	Total/NA	Solid	8015NM Prep	
890-4337-8	C-12	Total/NA	Solid	8015NM Prep	
890-4337-9	C-13	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

GC Semi VOA (Continued)

Prep Batch: 48954 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4337-10	C-15	Total/NA	Solid	8015NM Prep	
MB 880-48954/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48954/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48954/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4337-1 MS	C-3	Total/NA	Solid	8015NM Prep	
890-4337-1 MSD	C-3	Total/NA	Solid	8015NM Prep	

Analysis Batch: 49069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4337-11	C-18	Total/NA	Solid	8015B NM	49075
890-4337-12	C-19	Total/NA	Solid	8015B NM	49075
890-4337-13	C-20	Total/NA	Solid	8015B NM	49075
890-4337-14	C-21	Total/NA	Solid	8015B NM	49075
890-4337-15	SW-2	Total/NA	Solid	8015B NM	49075
890-4337-16	SW-3	Total/NA	Solid	8015B NM	49075
890-4337-17	SW-4	Total/NA	Solid	8015B NM	49075
890-4337-18	SW-6	Total/NA	Solid	8015B NM	49075
890-4337-19	SW-7	Total/NA	Solid	8015B NM	49075
MB 880-49075/1-A	Method Blank	Total/NA	Solid	8015B NM	49075
LCS 880-49075/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	49075
LCSD 880-49075/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	49075
890-4337-11 MS	C-18	Total/NA	Solid	8015B NM	49075
890-4337-11 MSD	C-18	Total/NA	Solid	8015B NM	49075

Prep Batch: 49075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4337-11	C-18	Total/NA	Solid	8015NM Prep	
890-4337-12	C-19	Total/NA	Solid	8015NM Prep	
890-4337-13	C-20	Total/NA	Solid	8015NM Prep	
890-4337-14	C-21	Total/NA	Solid	8015NM Prep	
890-4337-15	SW-2	Total/NA	Solid	8015NM Prep	
890-4337-16	SW-3	Total/NA	Solid	8015NM Prep	
890-4337-17	SW-4	Total/NA	Solid	8015NM Prep	
890-4337-18	SW-6	Total/NA	Solid	8015NM Prep	
890-4337-19	SW-7	Total/NA	Solid	8015NM Prep	
MB 880-49075/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-49075/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-49075/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4337-11 MS	C-18	Total/NA	Solid	8015NM Prep	
890-4337-11 MSD	C-18	Total/NA	Solid	8015NM Prep	

Analysis Batch: 49152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4337-1	C-3	Total/NA	Solid	8015 NM	
890-4337-2	C-4	Total/NA	Solid	8015 NM	
890-4337-3	C-5	Total/NA	Solid	8015 NM	
890-4337-4	C-6	Total/NA	Solid	8015 NM	
890-4337-5	C-7	Total/NA	Solid	8015 NM	
890-4337-6	C-8	Total/NA	Solid	8015 NM	
890-4337-7	C-9	Total/NA	Solid	8015 NM	
890-4337-8	C-12	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

GC Semi VOA (Continued)

Analysis Batch: 49152 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4337-9	C-13	Total/NA	Solid	8015 NM	
890-4337-10	C-15	Total/NA	Solid	8015 NM	
890-4337-11	C-18	Total/NA	Solid	8015 NM	
890-4337-12	C-19	Total/NA	Solid	8015 NM	
890-4337-13	C-20	Total/NA	Solid	8015 NM	
890-4337-14	C-21	Total/NA	Solid	8015 NM	
890-4337-15	SW-2	Total/NA	Solid	8015 NM	
890-4337-16	SW-3	Total/NA	Solid	8015 NM	
890-4337-17	SW-4	Total/NA	Solid	8015 NM	
890-4337-18	SW-6	Total/NA	Solid	8015 NM	
890-4337-19	SW-7	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 48959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4337-1	C-3	Soluble	Solid	DI Leach	
890-4337-2	C-4	Soluble	Solid	DI Leach	
890-4337-3	C-5	Soluble	Solid	DI Leach	
890-4337-4	C-6	Soluble	Solid	DI Leach	
890-4337-5	C-7	Soluble	Solid	DI Leach	
890-4337-6	C-8	Soluble	Solid	DI Leach	
890-4337-7	C-9	Soluble	Solid	DI Leach	
890-4337-8	C-12	Soluble	Solid	DI Leach	
890-4337-9	C-13	Soluble	Solid	DI Leach	
890-4337-10	C-15	Soluble	Solid	DI Leach	
890-4337-11	C-18	Soluble	Solid	DI Leach	
890-4337-12	C-19	Soluble	Solid	DI Leach	
890-4337-13	C-20	Soluble	Solid	DI Leach	
890-4337-14	C-21	Soluble	Solid	DI Leach	
890-4337-15	SW-2	Soluble	Solid	DI Leach	
890-4337-16	SW-3	Soluble	Solid	DI Leach	
890-4337-17	SW-4	Soluble	Solid	DI Leach	
890-4337-18	SW-6	Soluble	Solid	DI Leach	
890-4337-19	SW-7	Soluble	Solid	DI Leach	
MB 880-48959/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48959/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48959/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4337-1 MS	C-3	Soluble	Solid	DI Leach	
890-4337-1 MSD	C-3	Soluble	Solid	DI Leach	
890-4337-11 MS	C-18	Soluble	Solid	DI Leach	
890-4337-11 MSD	C-18	Soluble	Solid	DI Leach	

Analysis Batch: 49138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4337-1	C-3	Soluble	Solid	300.0	48959
890-4337-2	C-4	Soluble	Solid	300.0	48959
890-4337-3	C-5	Soluble	Solid	300.0	48959
890-4337-4	C-6	Soluble	Solid	300.0	48959
890-4337-5	C-7	Soluble	Solid	300.0	48959
890-4337-6	C-8	Soluble	Solid	300.0	48959

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QC Association Summary

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

HPLC/IC (Continued)

Analysis Batch: 49138 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4337-7	C-9	Soluble	Solid	300.0	48959
890-4337-8	C-12	Soluble	Solid	300.0	48959
890-4337-9	C-13	Soluble	Solid	300.0	48959
890-4337-10	C-15	Soluble	Solid	300.0	48959
890-4337-11	C-18	Soluble	Solid	300.0	48959
890-4337-12	C-19	Soluble	Solid	300.0	48959
890-4337-13	C-20	Soluble	Solid	300.0	48959
890-4337-14	C-21	Soluble	Solid	300.0	48959
890-4337-15	SW-2	Soluble	Solid	300.0	48959
890-4337-16	SW-3	Soluble	Solid	300.0	48959
890-4337-17	SW-4	Soluble	Solid	300.0	48959
890-4337-18	SW-6	Soluble	Solid	300.0	48959
890-4337-19	SW-7	Soluble	Solid	300.0	48959
MB 880-48959/1-A	Method Blank	Soluble	Solid	300.0	48959
LCS 880-48959/2-A	Lab Control Sample	Soluble	Solid	300.0	48959
LCSD 880-48959/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48959
890-4337-1 MS	C-3	Soluble	Solid	300.0	48959
890-4337-1 MSD	C-3	Soluble	Solid	300.0	48959
890-4337-11 MS	C-18	Soluble	Solid	300.0	48959
890-4337-11 MSD	C-18	Soluble	Solid	300.0	48959

Lab Chronicle

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

Client Sample ID: C-3

Lab Sample ID: 890-4337-1

Date Collected: 03/16/23 11:02

Matrix: Solid

Date Received: 03/16/23 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	49188	03/22/23 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49201	03/22/23 16:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49389	03/24/23 10:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49152	03/21/23 18:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48954	03/20/23 10:18	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48944	03/20/23 21:12	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	48959	03/20/23 10:40	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49138	03/20/23 21:17	SMC	EET MID

Client Sample ID: C-4

Lab Sample ID: 890-4337-2

Date Collected: 03/16/23 11:06

Matrix: Solid

Date Received: 03/16/23 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	49188	03/22/23 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49201	03/22/23 16:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49389	03/24/23 10:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49152	03/21/23 18:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48954	03/20/23 10:18	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48944	03/20/23 22:16	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	48959	03/20/23 10:40	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49138	03/20/23 21:33	SMC	EET MID

Client Sample ID: C-5

Lab Sample ID: 890-4337-3

Date Collected: 03/16/23 11:09

Matrix: Solid

Date Received: 03/16/23 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	49188	03/22/23 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49201	03/22/23 17:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49389	03/24/23 10:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49152	03/21/23 18:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48954	03/20/23 10:18	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48944	03/20/23 22:37	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	48959	03/20/23 10:40	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49138	03/20/23 21:38	SMC	EET MID

Client Sample ID: C-6

Lab Sample ID: 890-4337-4

Date Collected: 03/16/23 11:12

Matrix: Solid

Date Received: 03/16/23 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	49188	03/22/23 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49201	03/22/23 17:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49389	03/24/23 10:11	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

Client Sample ID: C-6

Lab Sample ID: 890-4337-4

Date Collected: 03/16/23 11:12

Matrix: Solid

Date Received: 03/16/23 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49152	03/21/23 18:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48954	03/20/23 10:18	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48944	03/20/23 22:59	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	48959	03/20/23 10:40	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	49138	03/20/23 21:43	SMC	EET MID

Client Sample ID: C-7

Lab Sample ID: 890-4337-5

Date Collected: 03/16/23 11:14

Matrix: Solid

Date Received: 03/16/23 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	49188	03/22/23 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49201	03/22/23 18:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49389	03/24/23 10:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49152	03/21/23 18:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48954	03/20/23 10:18	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48944	03/20/23 23:21	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	48959	03/20/23 10:40	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	49138	03/20/23 21:48	SMC	EET MID

Client Sample ID: C-8

Lab Sample ID: 890-4337-6

Date Collected: 03/16/23 11:17

Matrix: Solid

Date Received: 03/16/23 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	49188	03/22/23 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49201	03/22/23 18:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49389	03/24/23 10:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49152	03/21/23 18:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48954	03/20/23 10:18	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48944	03/20/23 23:42	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48959	03/20/23 10:40	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49138	03/20/23 22:03	SMC	EET MID

Client Sample ID: C-9

Lab Sample ID: 890-4337-7

Date Collected: 03/16/23 11:21

Matrix: Solid

Date Received: 03/16/23 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	49188	03/22/23 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49201	03/22/23 19:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49389	03/24/23 10:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49152	03/21/23 18:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48954	03/20/23 10:18	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48944	03/21/23 00:05	AJ	EET MID

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Lab Chronicle

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

Client Sample ID: C-9

Lab Sample ID: 890-4337-7

Date Collected: 03/16/23 11:21

Matrix: Solid

Date Received: 03/16/23 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	48959	03/20/23 10:40	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49138	03/20/23 22:08	SMC	EET MID

Client Sample ID: C-12

Lab Sample ID: 890-4337-8

Date Collected: 03/16/23 11:27

Matrix: Solid

Date Received: 03/16/23 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	49188	03/22/23 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49201	03/22/23 19:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49389	03/24/23 10:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49152	03/21/23 18:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48954	03/20/23 10:18	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48944	03/21/23 00:27	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	48959	03/20/23 10:40	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49138	03/20/23 22:13	SMC	EET MID

Client Sample ID: C-13

Lab Sample ID: 890-4337-9

Date Collected: 03/16/23 11:33

Matrix: Solid

Date Received: 03/16/23 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	49188	03/22/23 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49201	03/22/23 19:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49389	03/24/23 10:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49152	03/21/23 18:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48954	03/20/23 10:18	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48944	03/21/23 00:48	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48959	03/20/23 10:40	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49138	03/20/23 22:18	SMC	EET MID

Client Sample ID: C-15

Lab Sample ID: 890-4337-10

Date Collected: 03/16/23 11:39

Matrix: Solid

Date Received: 03/16/23 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	49188	03/22/23 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49201	03/22/23 20:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49389	03/24/23 10:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49152	03/21/23 18:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48954	03/20/23 10:18	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48944	03/21/23 06:33	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	48959	03/20/23 10:40	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49138	03/20/23 22:23	SMC	EET MID

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Lab Chronicle

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

Client Sample ID: C-18

Lab Sample ID: 890-4337-11

Date Collected: 03/16/23 11:51

Matrix: Solid

Date Received: 03/16/23 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	49188	03/22/23 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49201	03/22/23 22:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49389	03/24/23 10:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49152	03/21/23 18:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49075	03/21/23 07:48	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49069	03/21/23 11:05	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	48959	03/20/23 10:40	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49138	03/20/23 22:28	SMC	EET MID

Client Sample ID: C-19

Lab Sample ID: 890-4337-12

Date Collected: 03/16/23 11:56

Matrix: Solid

Date Received: 03/16/23 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	49188	03/22/23 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49201	03/22/23 22:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49389	03/24/23 10:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49152	03/21/23 18:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49075	03/21/23 07:48	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49069	03/21/23 12:12	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	48959	03/20/23 10:40	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49138	03/20/23 22:43	SMC	EET MID

Client Sample ID: C-20

Lab Sample ID: 890-4337-13

Date Collected: 03/16/23 12:09

Matrix: Solid

Date Received: 03/16/23 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	49188	03/22/23 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49201	03/22/23 23:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49389	03/24/23 10:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49152	03/21/23 18:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	49075	03/21/23 07:48	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49069	03/21/23 12:34	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	48959	03/20/23 10:40	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49138	03/20/23 22:48	SMC	EET MID

Client Sample ID: C-21

Lab Sample ID: 890-4337-14

Date Collected: 03/16/23 12:11

Matrix: Solid

Date Received: 03/16/23 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	49188	03/22/23 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49201	03/22/23 23:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49389	03/24/23 10:11	AJ	EET MID

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Lab Chronicle

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

Client Sample ID: C-21

Lab Sample ID: 890-4337-14

Date Collected: 03/16/23 12:11

Matrix: Solid

Date Received: 03/16/23 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49152	03/21/23 18:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49075	03/21/23 07:48	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49069	03/21/23 12:56	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48959	03/20/23 10:40	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49138	03/20/23 23:03	SMC	EET MID

Client Sample ID: SW-2

Lab Sample ID: 890-4337-15

Date Collected: 03/16/23 10:56

Matrix: Solid

Date Received: 03/16/23 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	49188	03/22/23 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49201	03/22/23 23:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49389	03/24/23 10:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49152	03/21/23 18:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49075	03/21/23 07:48	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49069	03/21/23 13:18	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	48959	03/20/23 10:40	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49138	03/20/23 23:09	SMC	EET MID

Client Sample ID: SW-3

Lab Sample ID: 890-4337-16

Date Collected: 03/16/23 10:59

Matrix: Solid

Date Received: 03/16/23 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	49188	03/22/23 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49201	03/23/23 00:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49389	03/24/23 10:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49152	03/21/23 18:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	49075	03/21/23 07:48	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49069	03/21/23 13:40	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	48959	03/20/23 10:40	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49138	03/20/23 23:14	SMC	EET MID

Client Sample ID: SW-4

Lab Sample ID: 890-4337-17

Date Collected: 03/16/23 11:01

Matrix: Solid

Date Received: 03/16/23 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	49188	03/22/23 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49201	03/23/23 00:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49389	03/24/23 10:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49152	03/21/23 18:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49075	03/21/23 07:48	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49069	03/21/23 14:01	SM	EET MID

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Lab Chronicle

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

Client Sample ID: SW-4

Lab Sample ID: 890-4337-17

Date Collected: 03/16/23 11:01

Matrix: Solid

Date Received: 03/16/23 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	48959	03/20/23 10:40	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49138	03/20/23 23:19	SMC	EET MID

Client Sample ID: SW-6

Lab Sample ID: 890-4337-18

Date Collected: 03/16/23 12:19

Matrix: Solid

Date Received: 03/16/23 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	49188	03/22/23 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49201	03/23/23 01:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49389	03/24/23 10:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49152	03/21/23 18:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	49075	03/21/23 07:48	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49069	03/21/23 14:23	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	48959	03/20/23 10:40	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49138	03/20/23 23:24	SMC	EET MID

Client Sample ID: SW-7

Lab Sample ID: 890-4337-19

Date Collected: 03/16/23 12:23

Matrix: Solid

Date Received: 03/16/23 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	49188	03/22/23 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49201	03/23/23 01:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49389	03/24/23 10:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49152	03/21/23 18:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	49075	03/21/23 07:48	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49069	03/21/23 14:46	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	48959	03/20/23 10:40	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49138	03/20/23 23:29	SMC	EET MID

Laboratory References:

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

Eurofins Carlsbad

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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

Method Summary

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Talon/LPE
Project/Site: Benson 3 Fed Com 8

Job ID: 890-4337-1
SDG: Eddy County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-4337-1	C-3	Solid	03/16/23 11:02	03/16/23 14:53	8 FT
890-4337-2	C-4	Solid	03/16/23 11:06	03/16/23 14:53	8 FT
890-4337-3	C-5	Solid	03/16/23 11:09	03/16/23 14:53	8 FT
890-4337-4	C-6	Solid	03/16/23 11:12	03/16/23 14:53	8 FT
890-4337-5	C-7	Solid	03/16/23 11:14	03/16/23 14:53	8 FT
890-4337-6	C-8	Solid	03/16/23 11:17	03/16/23 14:53	8 FT
890-4337-7	C-9	Solid	03/16/23 11:21	03/16/23 14:53	8 FT
890-4337-8	C-12	Solid	03/16/23 11:27	03/16/23 14:53	8 FT
890-4337-9	C-13	Solid	03/16/23 11:33	03/16/23 14:53	8 FT
890-4337-10	C-15	Solid	03/16/23 11:39	03/16/23 14:53	8 FT
890-4337-11	C-18	Solid	03/16/23 11:51	03/16/23 14:53	6FT
890-4337-12	C-19	Solid	03/16/23 11:56	03/16/23 14:53	6FT
890-4337-13	C-20	Solid	03/16/23 12:09	03/16/23 14:53	6FT
890-4337-14	C-21	Solid	03/16/23 12:11	03/16/23 14:53	6FT
890-4337-15	SW-2	Solid	03/16/23 10:56	03/16/23 14:53	3FT
890-4337-16	SW-3	Solid	03/16/23 10:59	03/16/23 14:53	3FT
890-4337-17	SW-4	Solid	03/16/23 11:01	03/16/23 14:53	3FT
890-4337-18	SW-6	Solid	03/16/23 12:19	03/16/23 14:53	3FT
890-4337-19	SW-7	Solid	03/16/23 12:23	03/16/23 14:53	3FT

Chain of Custody

Work Order No: _____

Page 1 of 2

Project Manager:	Chad Hensley	Bill to: (if different)	Laci Lujig
Company Name:	Talon LPE	Company Name:	Cimarex Energy
Address:	408 W. Texas Ave	Address:	600 N Mainfield St, Suite 600
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	Midland, TX 79701
Phone:	575-746-8768	Email:	laci.lujig@coterra.com & ashlon.thielke@coterra.com

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

Project Name:	Benson 3 Fed Com 8	Turn Around	☐ Routine ☒ Rush	Pres. Code		ANALYSIS REQUEST		Preservative Codes
Project Number:	701162.117.01	Due Date:	3/22/2023					None: NO DI Water: H ₂ O
Project Location:	Eddy County, NM							Cool: Cool MeOH: Me
Sample's Name:	Chad Hensley	TAT starts the day received by the lab, if received by 4:30pm						HCL: HC HNO ₃ : HN
PO #:								H ₂ SO ₄ : H ₂ NaOH: Na
SAMPLE RECEIPT	Temp Blank: ☒ Yes ☒ No	Thermometer ID: N14007	Wet Ice: ☒ Yes ☒ No					H ₃ PO ₄ : HP
Received Intact:	☒ Yes ☒ No	Correction Factor: -0.2						NaHSO ₄ : NABIS
Cooler Custody Seals:	Yes ☒ No ☒ N/A	Temperature Reading: 23.2						Na ₂ S ₂ O ₃ : NaSO ₃
Sample Custody Seals:	Yes ☒ No ☒ N/A	Corrected Temperature: 23.0						NaOH+Ascorbic Acid: SAPC
Total Containers:								

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	TPH												Sample Comments
c-3	3/16/2023	11:02	X		Comp	1	X	X	X										
c-4	3/16/2023	11:06	X		Comp	1	X	X	X										
c-5	3/16/2023	11:09	X		Comp	1	X	X	X										
c-6	3/16/2023	11:12	X		Comp	1	X	X	X										
c-7	3/16/2023	11:14	X		Comp	1	X	X	X										
c-8	3/16/2023	11:17	X		Comp	1	X	X	X										
c-9	3/16/2023	11:21	X		Comp	1	X	X	X										
c-12	3/16/2023	11:27	X		Comp	1	X	X	X										
c-13	3/16/2023	11:33	X		Comp	1	X	X	X										
c-14	3/16/2023	11:39	X		Comp	1	X	X	X										

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1. <i>Chad Hensley</i>	<i>Chad Hensley</i>	3/16/23 1453			
3.		4.			
5.		6.			

Chain of Custody

Work Order No: _____

Page 2 of 2

Project Manager:	Chad Hensley	Bill to: (if different)	Laci Luig
Company Name:	Talon LPE	Company Name:	Cimarex Energy
Address:	408 W. Texas Ave	Address:	600 N Marlenfield St, Suite 600
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	Midland, TX 79701
Phone:	575-746-8768	Email:	laci.luig@coterra.com & ashlon.thielke@coterra.com

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

Project Name:		Benson 3 Fed Com 8		Turn Around			Pres. Code	ANALYSIS REQUEST										Preservative Codes																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Project Number:	701162.117.01	☐ Routine	☒ Rush	Due Date:	3/22/2023	Parameters		BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Chad Hensley	Laci Luig	3/16/23			

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-4337-1

SDG Number: Eddy County NM

Login Number: 4337

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-4337-1

SDG Number: Eddy County NM

Login Number: 4337

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 03/20/23 08:25 AM

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

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 216936

CONDITIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd, Ste 300N Midland, TX 79706	OGRID: 162683
	Action Number: 216936
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2228953679 BENSON 3 FEDERAL COM 8, thank you. This closure is approved.	10/10/2023