

State of New Mexico  
Oil Conservation Division

Incident ID	nAB1917158019
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 Final C141
- ☒ 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: Dale Woodall

Title: Environmental Professional

Signature: Dale Woodall

Date: 8/30/2022

email: dale.woodall@dvn.com

Telephone: 575.748.1838

**OCD Only**

Received by: \_\_\_\_\_

Date: \_\_\_\_\_

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

Closure Approved by: Brittany HallDate: 10/26/2022Printed Name: Brittany HallTitle: Environmental Specialist



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## Closure Report

Bellatrix 28 Fed #001H  
Eddy County, New Mexico  
API# 30-015-40331

**Incident #s nAB1600826804, nAB1917158019,  
nAPP2127857190 and nAPP2204058257**

## Prepared For:

Devon Energy Production Company  
6488 Seven Rivers Highway  
Artesia, NM 88210

## Prepared By:

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

**September 30, 2022**





Mr. Mike Bratcher  
**NMOCD District 2**  
506 W. Texas Avenue  
Artesia, NM 88210

Subject: **Closure Report**  
Bellatrix 28 Fed #001H  
Eddy County, New Mexico  
API# 30-015-40331  
**Incident #s nAB1600826804, nAB1917158019, nAPP2127857190 and  
nAPP2204058257**

Dear Mr. Bratcher,

Devon Energy Production Company (Devon) contracted Talon/LPE (Talon) to complete remediation and closure activities at the above referenced location. The results of the remediation and final data for closure are provided herein.

### Site Information

The Bellatrix 28 Fed #001H is located approximately 26 miles northeast of Carlsbad, New Mexico. The legal location for this release is Unit Letter A, Section 29, Township 19 South and Range 31 East in Eddy County, New Mexico. The latitude and longitude for the site is 32.6361313 and -103.8854218. Site maps are presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soils in the area are made up of Kermit-Berino fine sands complex with 0 to 3 percent slopes. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology consists of eolian and piedmont deposits, Holocene to middle Pleistocene in age. Drainage courses in this area are typically well drained.

### Groundwater and Site Characterization

Based on New Mexico Office of the State Engineer Database, the nearest reported groundwater depth is 140 feet below ground surface (bgs) but is located greater than 0.5 miles from the subject site. The FEMA Flood Map Service Center does not locate the site in a 100-year flood plain. Further research of the Bureau of Land Management Karst data indicates that the site is located in a non-karst area. See [Appendix II](#) for the site characterization data.

If a release occurs within the following areas, the responsible party must treat the release as if it occurred in an area where the groundwater is less than 50 feet



bgs in Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29 NMAC.

<b>Approximate Depth to Groundwater</b>	<b>140 feet/bgs</b>
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- |   |   |
|---|---|
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within 300 feet of any continuously flowing watercourse or any other significant watercourse  |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within 200 feet of any lakebed, sinkhole or a playa lake  |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within 300 feet from an occupied permanent residence, school, hospital, institution or church   |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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                                 |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within 1000 feet of any freshwater well or spring   |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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 |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within 300 feet of a wetland  |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within the area overlying a subsurface mine   |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within an unstable area   |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within a 100-year floodplain  |

Because the releases occurred in a production area (well pad) but the depth to groundwater could not be confirmed within a 0.5 mile radius, the clean-up criteria for this site is as follows.

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



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### Incident Description

On January 2, 2016 approximately 1.5 barrels (bbls) of crude oil were discharged onto the well pad and to the adjacent pasture when a pressure valve was plugged with ice. None of the oil was recovered. The release was reported to the NMOCD and was assigned incident number **nAB1600826804**. This incident was remediated by another environmental consultant, but NMOCD was awaiting final confirmation results after bioremediation efforts were made in the pasture area for final closure.

On June 8, 2019 approximately 26 bbls of produced water were released onto the pad when the main water dump line from the four (4) horizontal separators leaked. A vacuum truck was dispatched and 25 bbls of produced water were recovered from the pad. The release was reported to the NMOCD and was assigned incident number **nAB1917158019**.

On September 21, 2021, a leak at the wellhead resulted in approximately five (5) bbls of crude oil and 4.77 bbls of produced water to be released to the well pad. A vacuum truck was dispatched and four (4) bbls of crude oil and four (4) bbls of produced water were recovered. The release was reported to NMOCD and was assigned the incident number **nAPP2127857190**.

On February 9, 2022 approximately 240 bbls of produced water were released into the secondary containment due to a tank that overflowed. A vacuum truck was dispatched and 240 bbls of produced water were recovered from the containment. The release was reported to the NMOCD and was assigned incident number **nAPP2204058257**.

Site maps of the releases are presented in [Appendix I](#). Initial C-141 spill notifications were filed with the NMOCD and are attached in [Appendix III](#).

### Site Assessment Activities

On January 28, 2022, soil samples were collected from the site for incident numbers nAB1600826804 and nAB1917158019. On February 9, 2022, Talon personnel collected 18 samples from six (6) boring locations and four (4) background samples to determine the vertical and horizontal extents of the well head release with incident number nAPP2127857190. Talon personnel returned on February 14, 2022, to inspect the secondary containment liner and collected two surface samples from the east and west sides of the containment for laboratory analysis and field screened samples from the north and south sides. These samples are associated with incident number nAPP2204058257.

All samples were transported via 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).



Results from the assessment sampling events are presented in the following data tables and the complete laboratory reports can be found in [Appendix V](#). Sample locations are shown on the attached Figure 1 in [Appendix I](#).

**Table 1a**  
**Site Assessment Analytical Data**  
**Incident #s nAB1600826804 and nAB1917158019**

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Clorides mg/kg
<b>NMOCD Table 1 Closure Criteria 19.15.29 NMAC</b>			<b>50 mg/kg</b>	<b>10 mg/kg</b>	<b>DRO + GRO + MRO combined = 100 mg/kg</b>			<b>100 mg/kg</b>	<b>600 mg/kg</b>
<b>S-2</b>	1/28/2022	0-0.5'	ND	ND	ND	ND	ND	-	256
<b>S-8</b>	1/28/2022	0-1'	ND	ND	ND	<b>160</b>	<b>549</b>	<b>709</b>	320
	1/28/2022	2'	ND	ND	ND	ND	ND	-	176
	1/28/2022	3'	ND	ND	ND	ND	ND	-	128
	1/28/2022	4'	ND	ND	ND	ND	ND	-	96
<b>S-9</b>	1/28/2022	0-1'	ND	ND	ND	ND	ND	-	320
	1/28/2022	2'	ND	ND	ND	ND	ND	-	<b>672</b>
	1/28/2022	3'	ND	ND	ND	ND	ND	-	<b>768</b>
	1/28/2022	4'	ND	ND	ND	ND	ND	-	48
<b>S-10</b>	1/28/2022	0-1'	ND	ND	ND	ND	ND	-	64
	1/28/2022	2'	ND	ND	ND	ND	ND	-	64
	1/28/2022	3'	ND	ND	ND	ND	ND	-	48
	1/28/2022	4'	ND	ND	ND	ND	ND	-	48
<b>S-11</b>	1/28/2022	0-1'	ND	ND	ND	ND	ND	-	<b>832</b>
	1/28/2022	2'	ND	ND	ND	ND	ND	-	<b>672</b>
	1/28/2022	3'	ND	ND	ND	ND	ND	-	320
	1/28/2022	4'	ND	ND	ND	ND	ND	-	80
<b>S-12</b>	1/28/2022	0-1'	ND	ND	ND	ND	ND	-	144
	1/28/2022	2'	ND	ND	ND	ND	ND	-	48
	1/28/2022	3'	ND	ND	ND	ND	ND	-	96
	1/28/2022	4'	ND	ND	ND	ND	ND	-	304
<b>S-14</b>	1/28/2022	0-1'	ND	ND	ND	ND	ND	-	48
	1/28/2022	2'	ND	ND	ND	ND	ND	-	32
	1/28/2022	3'	ND	ND	ND	ND	ND	-	32
<b>2016 and 2019 HISTORICAL INCIDENTS ND = Analyte not detected</b>									



**Table 1b**  
**Site Assessment Analytical Data**  
**Incident # nAPP2127857190**

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Clorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S-1	2/9/2022	0-1' R	ND	ND	33.3	1930	461	2424.3	2040
S-2	2/9/2022	0-1'	0.567	ND	10.9	3080	1430	4520.9	2640
	2/9/2022	2'	ND	ND	ND	141	55.7	196.7	464
	2/9/2022	3'	ND	ND	ND	68.7	22.1	90.8	480
	2/9/2022	4'	ND	ND	ND	87.6	27.3	114.9	560
S-3	2/9/2022	0-1'	27.4	ND	680	9650	1780	12110	5760
	2/9/2022	2'	ND	ND	15.8	685	185	885.8	704
	2/9/2022	3'	ND	ND	ND	189	37.7	226.7	352
	2/9/2022	4'	ND	ND	ND	112	21.9	133.9	288
S-4	2/9/2022	0-0.5' R	ND	ND	87.6	6350	1490	7927.6	16800
S-5	2/9/2022	0-1'	ND	ND	99.1	5280	1270	6649.1	6640
	2/9/2022	2'	ND	ND	ND	31	ND	31	80
	2/9/2022	3'	ND	ND	ND	15.5	ND	15.5	80
	2/9/2022	4'	ND	ND	ND	41	ND	41	32
S-6	2/9/2022	0-1'	3.07	ND	318	6920	1550	8788	352
	2/9/2022	2'	ND	ND	ND	11.5	ND	11.5	32
	2/9/2022	3'	ND	ND	ND	ND	ND	-	32
	2/9/2022	4'	ND	ND	ND	24.2	ND	24.2	16
BG-1	2/9/2022	0'	ND	ND	ND	264	161	425	224
BG-2	2/9/2022	0'	ND	ND	ND	217	78.1	295.1	208
BG-3	2/9/2022	0'	ND	ND	ND	198	75.7	273.7	144
BG-4	2/9/2022	0'	0.334	ND	ND	169	78.3	247.3	160
2021 WELL HEAD INCIDENT ND = Analyte Not Detected R = Refusal with Hand Auger									



**Table 1c**  
**Site Assessment Analytical Data**  
**Incident # nAPP2204058257**

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Clorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
E-COMP	2/14/2022	0'	ND	ND	ND	ND	ND	-	304
W-COMP	2/14/2022	0'	ND	ND	ND	ND	ND	-	336
2022 CONTAINMENT INCIDENT ND = Analyte Not Detected									

### Remediation Activities

Upon client authorization, excavation activities began on June 22, 2022, and continued through July 7, 2022. Final confirmation samples were collected on June 30, 2022 and July 7, 2022 to confirm that NMOCD closure criteria had been met, the results of which can be found in the following data table. Several sample jars were damaged during transit on June 30, 2022. Samples were recollected on July 1, 2022, for those sample areas. Confirmation sample locations and excavation dimensions can be found on the confirmation sample map, Figure 2, in [Appendix I](#). All samples were transported via chain of custody 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). Complete laboratory reports for the remediation efforts are attached in [Appendix V](#).

**Table 2**  
**Site Closure Analytical Data**

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Clorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
Incident # nAB1600826804 (2016 Pressure Valve Release)									
S-35	8/8/2022	0.5'	ND	ND	15.1	48.7	26.9	90.7	60.3
Incident # nAB1917158019 (2019 Produced Water Release)									
S-19A	6/30/2022	2'	ND	ND	26.6	ND	20.2	46.8	7.03
S-20A	6/30/2022	2'	ND	ND	22.6	ND	19.7	42.3	42.6
S-21A	6/30/2022	2'	ND	ND	ND	ND	18.9	18.9	201
S-22A	6/30/2022	2'	ND	ND	20.6	ND	18.5	39.1	114
S-23A	6/30/2022	2'	0.00731	0.000525	18.5	ND	18.3	36.8	64.4
S-24A	6/30/2022	2'	ND	ND	ND	ND	17.8	17.8	142
S-25A	6/30/2022	1'	0.00433	0.000389	23.3	ND	17.3	40.6	74.4



Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Clorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S-26A	6/30/2022	1'	ND	ND	21.8	ND	18.2	40	12.1
S-27A	6/30/2022	2'	ND	ND	27.7	25.5	ND	53.2	114
S-28A	6/30/2022	2'	ND	ND	26.6	20.9	ND	47.5	336
S-29A	6/30/2022	2'	0.00742	0.000522	27.4	24.4	ND	51.8	86.4
S-30A	6/30/2022	2'	ND	ND	25.7	25.7	ND	51.4	107
S-31A	6/30/2022	2'	ND	ND	29.6	22.2	ND	51.8	212
S-32A	6/30/2022	2'	ND	ND	22.8	ND	ND	22.8	116
NSW-2	6/30/2022	2'	ND	ND	27.6	21.8	ND	49.4	71.3
NSW-3	6/30/2022	2'	ND	ND	28.7	21.1	ND	49.8	48
ESW-3	6/30/2022	2'	ND	ND	16	34.5	ND	50.5	25.4
ESW-4	6/30/2022	1'	ND	ND	19.8	29.7	ND	49.5	12.7
ESW-5	6/30/2022	2'	ND	ND	29.6	24.6	ND	54.2	305
SSW-2	6/30/2022	1'	ND	ND	31.3	27.1	ND	58.4	8.11
SSW-3	6/30/2022	2'	ND	ND	33.7	24.4	ND	58.1	40.3
WSW-4	6/30/2022	2'	ND	ND	40.5	23.5	ND	64	102
WSW-5	6/30/2022	1'	ND	ND	ND	ND	17.2	17.2	10.9
WSW-6	6/30/2022	2'	ND	ND	ND	ND	19	19	42.3
Incident # nAPP2127857190 (2021 Well Head Release)									
S-1A	7/1/2022	3'	ND	ND	29.4	41.8	16.1	87.3	13.8
S-2A	7/1/2022	3'	ND	ND	43.3	26.4	ND	69.7	61.2
S-3A	6/30/2022	3'	ND	ND	ND	ND	19.9	19.9	64.8
S-4A	6/30/2022	3'	0.00209	ND	18.7	74.8	38.9	132	583
SA-4	7/7/2022	4'	0.0208	0.00101	ND	16.5	ND	16.5	263
S-5A	7/1/2022	3'	ND	ND	47.2	20.3	ND	67.8	147
S-6A	6/30/2022	3'	ND	ND	19.6	ND	23.5	43.1	106
S-7A	6/30/2022	3'	0.00884	0.000414	ND	22.6	21.9	44.5	107
S-8A	6/30/2022	2'	ND	ND	25.00	ND	21.8	46.8	69.3
S-9A	7/1/2022	3'	ND	ND	46.9	22.2	15.2	84.3	23.6
S-10A	7/1/2022	3'	ND	ND	44.9	21.6	ND	66.5	42.3
S-11A	6/30/2022	3'	ND	ND	19	ND	21.2	40.2	74
S-12A	7/1/2022	3'	ND	ND	44	19.3	ND	63.3	17.2
S-13A	6/30/2022	2'	ND	ND	16.2	ND	21.2	37.4	41
S-14A	6/30/2022	2'	ND	ND	ND	30.4	21.8	52.2	118
S-15A	6/30/2022	2'	ND	ND	17	ND	20.9	37.9	66.3
S-16A	6/30/2022	2'	ND	ND	27.3	ND	21.1	48.4	29.4
S-17A	6/30/2022	2'	ND	ND	21.4	19.9	20.8	62.1	115
S-18A	6/30/2022	2'	ND	ND	ND	ND	19.3	19.3	86
NSW-1	6/30/2022	3'	ND	ND	31.3	21	ND	52.3	7
ESW-1	6/30/2022	3'	ND	ND	27.5	28.2	ND	55.7	38.1



Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Clorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
ESW-2	6/30/2022	2'	0.00645	ND	25.2	1440	ND	1470	662
SSW-1	6/30/2022	2'	ND	ND	32	29.6	ND	61.6	173
WSW-1	6/30/2022	3'	ND	ND	31.7	29.2	ND	60.9	38.2
WSW-2	6/30/2022	3'	ND	ND	27.2	23.3	ND	50.5	129
WSW-3	6/30/2022	2'	ND	ND	22.6	23.8	ND	46.4	69.2
Incident # nAPP2204058257 (2022 Containment Release)									
N-COMP	7/7/2022	1'	0.0163	ND	39.2	19.3	15.4	73.9	15.8
S-COMP	7/7/2022	2'	ND	ND	36.2	17.1	15	68.3	323
ND = Analyte not detected    NSW = North Side Wall    ESW = East Side Wall    SSW = South Side Wall WSW = West Side Wall									

### Remedial Action Summary

- The impacted area of ESW-2 could not be advanced further due to accessibility, existing infrastructure and safety concerns.
- All impacted areas on the pad location were excavated to depths of 1-4 feet bgs. Field titration of soil samples for Total Chlorides was utilized to guide the excavation process involving incident numbers nAB1917158019 and nAPP2204058257.
- A surface composite sample (S-35) was collected from the pasture south of the separator battery in regards to incident number nAB1600826804 to ensure the bioremediation process was effective and had achieved TPH concentrations below the Table 1 closure criteria.
- Pursuant to NMOCD guidance, confirmation soil samples were collected at 200 square foot intervals and analyzed for TPH, BTEX and Total Chlorides to insure NMOCD closure criteria had been met.
- The excavated areas on the well pad were backfilled with new caliche, machine compacted and contoured to match the surrounding location.
- Approximately 966 cubic yards of excavated material was transported to R360, a NMOCD approved solid waste disposal facility.
- Photographic documentation is provided in [Appendix IV](#).



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- Copies of the Final C-141s are presented in **Appendix III**.

## Closure

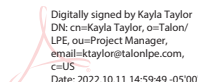
Based upon the completed remedial actions and confirmation sampling results, on behalf of Devon Energy Production Company, we respectfully request that no further actions be required and that closure of these incidents be granted.

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

Respectfully submitted,

Talon/LPE

Kayla  
Taylor



Digitally signed by Kayla Taylor  
DN: cn=Kayla Taylor, o=Talon/  
LPE, ou=Project Manager,  
email=ktaylor@talonlpe.com,  
c=US  
Date: 2022.10.11 14:59:49 -05'00'

Kayla Taylor  
Project Manager

David J  
Adkins



Digitally signed by David J Adkins  
DN: cn=David J Adkins, o=TalonLPE,  
ou=Regional Manager,  
email=radkins@talonlpe.com, c=US  
Date: 2022.10.12 11:40:20 -06'00'

David J. Adkins  
Regional Manager

### Attachments:

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





## Appendix I

### Site Maps



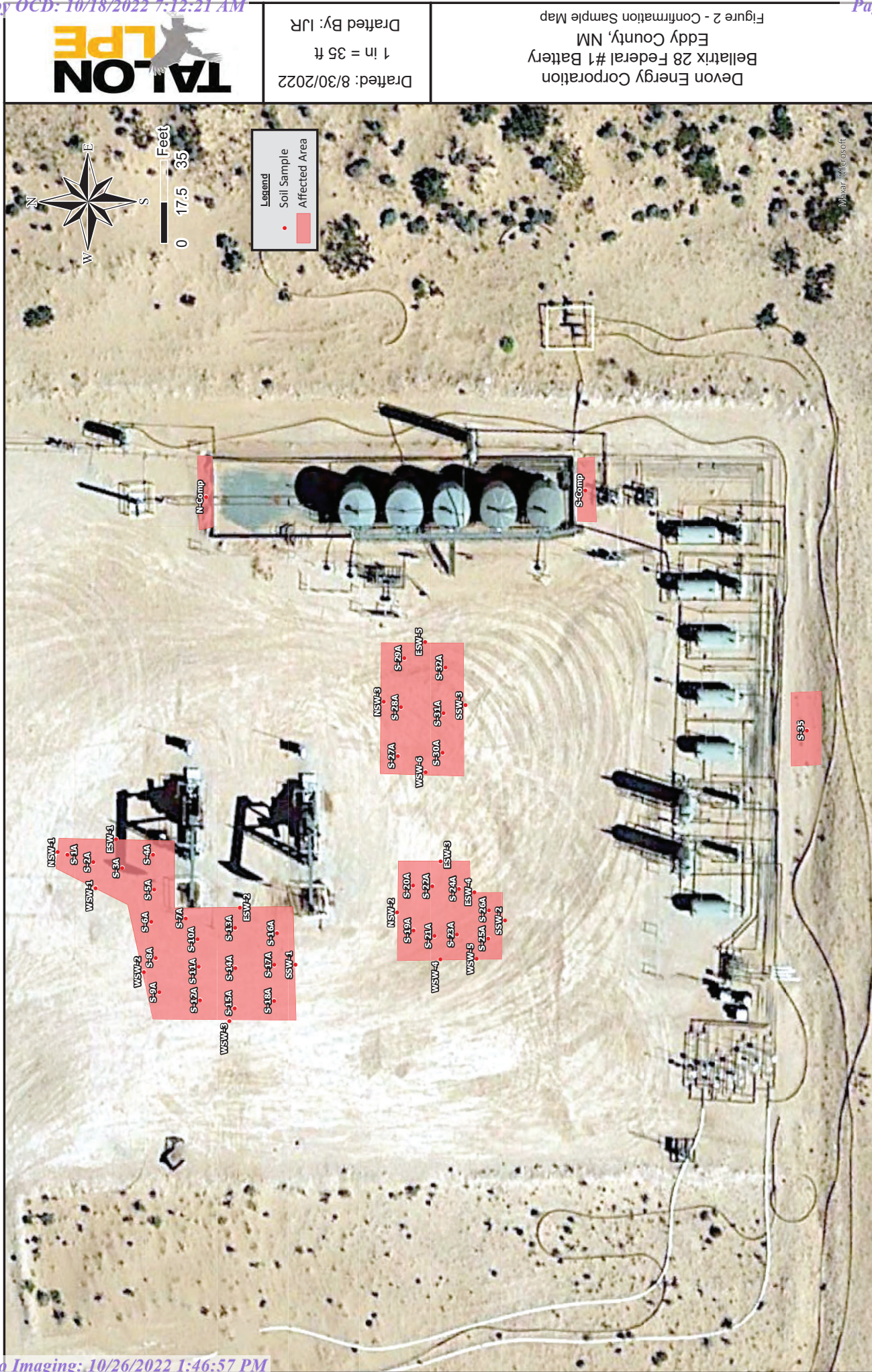


Drafted: 8/30/2022  
1 in = 35 ft  
Drafted By: IJR

Devon Energy Corporation  
Bellatrix 28 Federal #1 Battery  
Eddy County, NM  
Figure 1 - Site Assessment Map





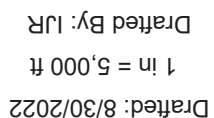


Devon Energy Corporation  
Bellatrix 28 Federal #1 Battery  
Eddy County, NM  
Figure 2 - Confirmation Sample Map

Drafted: 8/30/2022  
1 in = 35 ft  
Drafted By: IJR







Devon Energy Corporation  
Bellatrix 28 Federal #1 Battery  
Eddy County, NM  
Figure 3 - Site Location

Figure 3 - Site Location

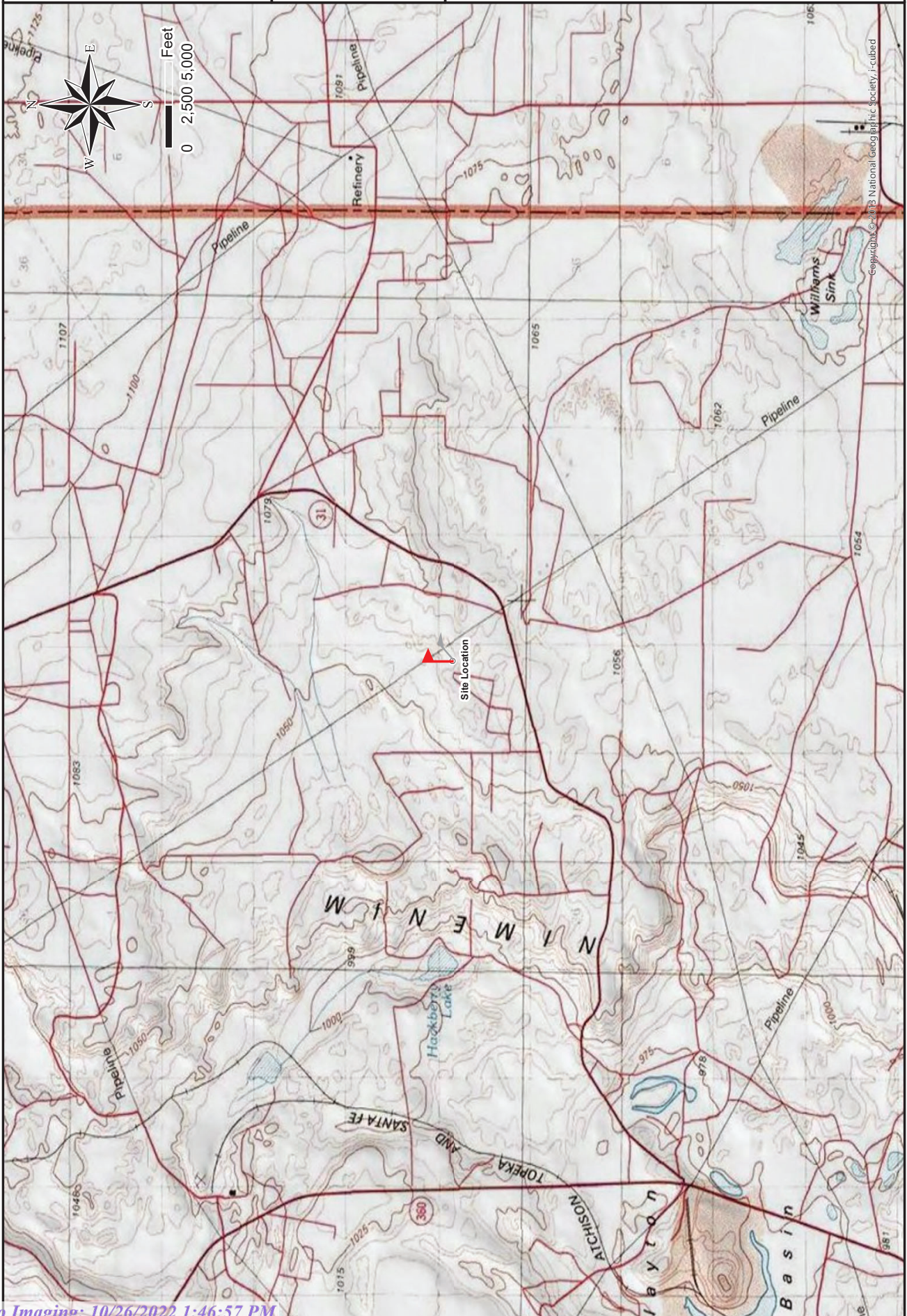






Drafted: 8/30/2022  
1 in = 5,000 ft  
Drafted By: IJR

Devon Energy Corporation  
Bellatrix 28 Federal #1 Battery  
Eddy County, NM  
Figure 4 - Topographic Map



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Drafted: 8/30/2022  
1 in = 300 ft  
Drafted By: IJR

Devon Energy Corporation  
Bellatrix 28 Federal #1 Battery  
Eddy County, NM  
Figure 5 - Karst Map







## **Appendix II**

Groundwater and Soil Data

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	DepthWell	DepthWater	Water Column
<a href="#">CP 00641 POD1</a>		CP	ED	4	1	36	19S	31E		610247	3609634*	300	130	170
<a href="#">CP 00642 POD1</a>		CP	ED	2	2	25	19S	31E		611025	3611657*	250		
<a href="#">CP 00722 POD1</a>		CP	LE	4	3	3	28	19S	31E	605106	3610273*	200		
<a href="#">CP 00722 POD1</a>	R	CP	LE	4	3	3	28	19S	31E	605106	3610273*	200		
<a href="#">CP 00722 POD3</a>		CP	LE	2	4	1	33	19S	31E	605519	3609673*	220	140	80
<a href="#">CP 00723 POD1</a>		CP	ED	2	1	1	33	19S	31E	605111	3610071*	139		
<a href="#">CP 00725 POD1</a>		CP	ED	1	3	3	28	19S	31E	604906	3610473*	231		
<a href="#">CP 00829 POD1</a>		CP	LE	2	4	16	19S	31E		606165	3614009*	120		
<a href="#">CP 00873 POD1</a>		CP	LE	1	1	19	19S	31E		601772	3613147*	340	180	160
<a href="#">CP 01554 POD1</a>		CP	LE	2	2	1	22	19S	31E	607166	3613354	400		
<a href="#">CP 01554 POD2</a>		CP	LE	2	2	1	22	19S	31E	607165	3613322	400		
<a href="#">CP 01864 POD1</a>		CP	ED	4	2	1	34	19S	31E	607068	3609824	110		
<a href="#">CP 01907 POD1</a>		CP	ED	4	2	2	18	19S	31E	603017	3614737			

Average Depth to Water: **150 feet**

Minimum Depth: **130 feet**

Maximum Depth: **180 feet**

**Record Count:** 13

**PLSS Search:**

**Township:** 19S **Range:** 31E

\*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.

8/24/22 8:07 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER





## New Mexico Office of the State Engineer

# Point of Diversion Summary

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

Well Tag	POD Number	Q64 Q16 Q4 Sec Tws Rng	X	Y
CP 00722	POD3	2 4 1 33 19S 31E	605519	3609673*

---

**Driller License:** 1058      **Driller Company:** KEY'S DRILLING & PUMP SERVICE  
**Driller Name:** KEY, CASEY

**Drill Start Date:** 05/02/2011      **Drill Finish Date:** 05/04/2011      **Plug Date:**  
**Log File Date:** 05/17/2011      **PCW Rcv Date:**      **Source:** Shallow  
**Pump Type:**      **Pipe Discharge Size:**      **Estimated Yield:** 100 GPM  
**Casing Size:** 5.00      **Depth Well:** 220 feet      **Depth Water:** 140 feet

Water Bearing Stratifications:	Top	Bottom	Description
	140	150	Sandstone/Gravel/Conglomerate
	170	220	Sandstone/Gravel/Conglomerate

<b>Meter Number:</b>	19084	<b>Meter Make:</b>	SEAMETRICS
<b>Meter Serial Number:</b>	101903750408	<b>Meter Multiplier:</b>	1000.0000
<b>Number of Dials:</b>	8	<b>Meter Type:</b>	Diversion
<b>Unit of Measure:</b>	Gallons	<b>Return Flow Percent:</b>	
<b>Usage Multiplier:</b>		<b>Reading Frequency:</b>	Quarterly

### Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr Comment	Mtr Amount Online
07/01/2020	2020	0	A	RPT	0
10/12/2020	2020	409	A	RPT	1.256
12/31/2020	2020	724	A	RPT	0.966

<b>**YTD Meter Amounts:</b>	<b>Year</b>	<b>Amount</b>
	2020	2.222

\*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.

8/24/22 8:12 AM

POINT OF DIVERSION SUMMARY



Soil Map—Eddy Area, New Mexico  
(Bellatrix 28 Fed #001H)



Natural Resources  
Conservation Service

Web Soil Survey  
National Cooperative Soil Survey

8/24/2022  
Page 1 of 3



Map Unit Description: Kermit-Berino fine sands, 0 to 3 percent slopes---Eddy Area, New Mexico

Bellatrix 28 Fed #001H

## Eddy Area, New Mexico

### KM—Kermit-Berino fine sands, 0 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 1w4q

*Elevation:* 3,100 to 4,200 feet

*Mean annual precipitation:* 10 to 14 inches

*Mean annual air temperature:* 60 to 64 degrees F

*Frost-free period:* 190 to 230 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Kermit and similar soils:* 50 percent

*Berino and similar soils:* 35 percent

*Minor components:* 15 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Kermit

##### Setting

*Landform:* Plains, alluvial fans

*Landform position (three-dimensional):* Talf, rise

*Down-slope shape:* Convex, linear

*Across-slope shape:* Linear

*Parent material:* Mixed alluvium and/or eolian sands

##### Typical profile

*H1 - 0 to 7 inches:* fine sand

*H2 - 7 to 60 inches:* fine sand

##### Properties and qualities

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Excessively drained

*Runoff class:* Negligible

*Capacity of the most limiting layer to transmit water (Ksat):* Very high (20.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Maximum salinity:* Nonsaline (0.0 to 1.0 mmhos/cm)

*Sodium adsorption ratio, maximum:* 1.0

*Available water supply, 0 to 60 inches:* Low (about 3.1 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7e

*Hydrologic Soil Group:* A

*Ecological site:* R042XC005NM - Deep Sand

*Hydric soil rating:* No



Map Unit Description: Kermit-Berino fine sands, 0 to 3 percent slopes---Eddy Area, New Mexico

Bellatrix 28 Fed #001H

## Description of Berino

### Setting

*Landform:* Plains, fan piedmonts  
*Landform position (three-dimensional):* Riser  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Mixed alluvium and/or eolian sands

### Typical profile

*H1 - 0 to 17 inches:* fine sand  
*H2 - 17 to 50 inches:* fine sandy loam  
*H3 - 50 to 58 inches:* loamy sand

### Properties and qualities

*Slope:* 0 to 3 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.60 to 2.00 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 40 percent  
*Maximum salinity:* Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)  
*Sodium adsorption ratio, maximum:* 1.0  
*Available water supply, 0 to 60 inches:* Moderate (about 7.2 inches)

### Interpretive groups

*Land capability classification (irrigated):* 4e  
*Land capability classification (nonirrigated):* 7e  
*Hydrologic Soil Group:* B  
*Ecological site:* R042XC003NM - Loamy Sand  
*Hydric soil rating:* No

## Minor Components

### Active dune land

*Percent of map unit:* 15 percent  
*Hydric soil rating:* No

## Data Source Information

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



# National Flood Hazard Layer FIRMette



Received by OCD: 10/26/2022 7:12:21 AM

103°53'26"W 32°38'25"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, AE, AH, VE, AP
- With BFE or Depth  
Zone AE, AH, VE, AP
- 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
- Future Conditions 1% Annual Chance Flood Hazard
- Area with Reduced Flood Risk due to Levee. See Notes.
- Area with Flood Risk due to Levee

**OTHER AREAS**

- Area of Minimal Flood Hazard
- Effective LOMRs
- Area of Undetermined Flood Hazard
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

**OTHER FEATURES**

- 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
- Hydrographic Feature

**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 8/24/2022 at 10:05 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.





**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  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

NM OIL CONSERVATION Form C-141  
ARTESIA DISTRICT Revised August 8, 2011

JAN 07 2016  
Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

RECEIVED

## Release Notification and Corrective Action

NAB1600826804

10/37

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Devon Energy Production Company	Contact	Rudy Zuniga Production Foreman
Address	6488 Seven Rivers Hwy Artesia, NM 88210	Telephone No.	575-390-5435
Facility Name	Bellatrix 28 Fed 1H	Facility Type	Oil Well

Surface Owner	Federal	Mineral Owner	Federal	API No	30-015-40331
---------------	---------	---------------	---------	--------	--------------

## LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	29	19S	31E	920	North	790	East	Eddy

Latitude: N 32° 63' 61.24"

Longitude: W 103° 88' 53.74"

32.634124

103.885374

## NATURE OF RELEASE

Type of Release Spill	Oil	Volume of Release	1.5 bbls oil	Volume Recovered	0 bbls
Source of Release	Pressure valve	Date and Hour of Occurrence	1.2.16 @ 9:30 am	Date and Hour of Discovery	1.2.16 @ 9:30 am
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Heather Patterson @OCD Dara Glass @BLM		
By Whom?	Jesse Armendariz Assistant Production Foreman	Date and Hour	1.2.16 @ 12:00 pm 1.2.16 @ 12:10 pm		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse	N/A		

If a Watercourse was Impacted, Describe Fully.\*

N/A

Describe Cause of Problem and Remedial Action Taken.\*

Ice plug due to cold weather caused pressure valve to pressure up causing 1.5 bbls oil release. Well was shut in to prevent further release. Took apart pressure valve and got ice plug out and flushed methanol down line and put back together.

Describe Area Affected and Cleanup Action Taken.\*

1.5 bbls oil was released on the South, South west side of the facility off the pad. None of the spill was recovered. The area was a 20'x30' where it sprayed off the pad. Environmental Agency to be contacted for remediation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOC 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 NMOC marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOC 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.

Signature: Corina Moya

Printed Name: Corina Moya

Title: Field Admin Support

E-mail Address: corina.moya@dvn.com

Date: 1.7.15

Phone: 575.746.5559

## OIL CONSERVATION DIVISION

Approved by Environmental Specialist:

Approval Date: 1/8/16

Expiration Date: N/A

Conditions of Approval:

Remediation per O.C.D. Rules & Guidelines  
SUBMIT REMEDIATION PROPOSAL NOAttached ☐

\* Attach Additional Sheets If Necessary

LATER THAN: 2/8/16

2RP-3478



Incident ID	nAB1600826804
District RP	2RP-3478
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 Final C141
- ☒ 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: Dale Woodall

Title: Environmental Professional

Signature: Dale Woodall

Date: 8/30/2022

email: dale.woodall@dvn.com

Telephone: 575.748.1838

**OCD Only**

Received by: \_\_\_\_\_

Date: \_\_\_\_\_

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

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_



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	NAB1917158019
District RP	2RP-5494
Facility ID	
Application ID	pAB1917157748

## Release Notification

### Responsible Party

Responsible Party Devon Energy Production Company	OGRID 6137
Contact Name Amanda T. Davis	Contact Telephone 575-748-0176
Contact email amanda.davis@divn.com	Incident # (assigned by OCD) NAB1917158019
Contact mailing address 6488 Seven Rivers HWY	

### Location of Release Source

Latitude 32.6361313 Longitude -103.8854218  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Bellatrix 28 Fed #001H	Site Type Oil
Date Release Discovered 6/08/2019	API# (if applicable) 30-015-40331

Unit Letter	Section	Township	Range	County
A	29	19S	31E	Eddy

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

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 26	Volume Recovered (bbls) 25
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Main water dump line from the 4 horizontal separators got a hole in it.  
Spill areas 20'x5'x 2", 25'x10'x1/2", 25'x60'x 1/2", 30'x50'x1/2", 40'x5'x1/2", 30'x5'x1/2".



Incident ID	NAB1917158019
District RP	2RP-5494
Facility ID	
Application ID	pAB1917157748

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Yes, the volume was over 25 BBLS.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Notice was given 6/12/2019 @ 3:20 pm by Amanda Davis to Debhorah McKinne, BLM; Hamlet, Robert, EMNRD Jim Griswold, EMNRD Mike Bratcher, EMNRD Venegas, Victoria, EMNRD	

## Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped.	
<input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:  The spill is not in containment, berms, dikes, absorbent pads were not used.	
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: <b>Kendra DeHoyos</b>	Title: <b>EHS Associate</b>
Signature: <u>Kendra DeHoyos</u>	Date: <u>6/11/2019</u>
email: <u>kendra.dehoyos@dvn.com</u>	Telephone: <u>575-748-3371</u>
<b><u>OCD Only</u></b>	
Received by: <u>Amalia Bustamante</u>	Date: <u>6/20/2019</u>



State of New Mexico  
Oil Conservation Division

Incident ID	nAB1917158019
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 Final C141
- ☒ 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: Dale Woodall

Title: Environmental Professional

Signature: Dale Woodall

Date: 8/30/2022

email: dale.woodall@dvn.com

Telephone: 575.748.1838

**OCD Only**

Received by: \_\_\_\_\_

Date: \_\_\_\_\_

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

Closure Approved by: Brittany HallDate: 10/26/2022Printed Name: Brittany HallTitle: Environmental Specialist



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	nAPP2127857190
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party Devon Energy Production	OGRID 6137
Contact Name Wesley Mathews	Contact Telephone
Contact email Wesley.Mathews@dvn.com	Incident # (assigned by OCD)
Contact mailing address 6488 Seven Rivers Hwy Artesia, NM 88210	

### Location of Release Source

Latitude 32.636124 Longitude -103.885375  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Bellatrix 28 Federal 1H	Site Type Oil
Date Release Discovered 9/21/2021	API# (if applicable)

Unit Letter	Section	Township	Range	County
A	29	19S	31E	Eddy

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

### Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 5 BBLS	Volume Recovered (bbls) 4 BBLS
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 4.77 BBLS	Volume Recovered (bbls) 4 BBLS
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Well was releasing fluid. All fluid stayed on pad.



Incident ID	nAPP2127857190
District RP	
Facility ID	
Application ID	

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

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:  Spill was not in containment.	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Kendra DeHoyos</u>	Title: <u>EHS Associate</u>
Signature: <u>Kendra DeHoyos</u>	Date: <u>10/5/2021</u>
email: <u>Kendra.DeHoyos@dvn.com</u>	Telephone: <u>575-748-0167</u>
<b><u>OCD Only</u></b>	
Received by: <u>Ramona Marcus</u>	Date: <u>10/05/2021</u>



Spill Volume(Bbls) Calculator		
Inputs in <i>blue</i> , Outputs in <i>red</i>		
Contaminated Soil measurement		
Length(Ft)	Width(Ft)	Depth(Ft)
<u>40</u>	<u>2.000</u>	<u>0.010</u>
Cubic Feet of Soil Impacted		<u>0.800</u>
Barrels of Soil Impacted		<u>0.14</u>
Soil Type		Clay
Barrels of Oil Assuming 100% Saturation		<u>0.01</u>
Saturation	Fluid present with shovel/backhoe	
Estimated Barrels of Oil Released		0.01
Free Standing Fluid Only		
Length(Ft)	Width(Ft)	Depth(Ft)
<u>40</u>	<u>2.000</u>	<u>0.010</u>
Standing fluid		<u>0.142</u>
Total fluids spilled		<u>0.157</u>

Spill Volume(Bbls) Calculator	
Inputs in <i>blue</i> , Outputs in <i>red</i>	
Contaminated Soil measurement	
Area (square feet)	Depth(inches)
<u>2252.501</u>	<u>0.250</u>
Cubic Feet of Soil Impacted	<u>46.927</u>
Barrels of Soil Impacted	<u>8.36</u>
Soil Type	Clay/Sand
Barrels of Oil Assuming 100% Saturation	<u>1.25</u>
Saturation	Fluid present with shovel/backhoe
Estimated Barrels of Oil Released	1.25
Free Standing Fluid Only	
Area (square feet)	Depth(inches)
<u>2252.501</u>	<u>0.250</u>
0.125	<u>8.365</u>
Total fluids spilled	<u>9.620</u>



Incident ID	nAPP2127857190
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 Final C141
- ☒ 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: Dale Woodall

Title: Environmental Professional

Signature: Dale Woodall

Date: 8/30/2022

email: dale.woodall@dvn.com

Telephone: 575.748.1838

**OCD Only**

Received by: \_\_\_\_\_

Date: \_\_\_\_\_

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

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_



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	nAPP2204058257
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party Devon Energy Production Company	OGRID 6137
Contact Name Wesley Mathews	Contact Telephone
Contact email Wesley.Mathews@dvn.com	Incident # (assigned by OCD)
Contact mailing address 6488 Seven Rivers Hwy Artesia, NM 88210	

### Location of Release Source

Latitude 32.636134 Longitude -103.885182  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Bellatrix 28 Fed Battery	Site Type Oil
Date Release Discovered 02/09/2022	API# (if applicable)

Unit Letter	Section	Township	Range	County
A	29	19S	31E	Eddy

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

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 240 BBLS	Volume Recovered (bbls) 240 BBLS
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Water tank ran over. All fluid stayed in lined containment.



Incident ID	nAPP2204058257
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? <b>Spill is over 25 BBLS.</b>
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? <b>Immediate noticed was given by Wesley Mathews on 2/9/22 on the OCD portal.</b>	

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:          	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <b>Kendra DeHoyos</b>	Title: <b>EHS Associate</b>
Signature: <u>Kendra DeHoyos</u>	Date: <u>2/23/2022</u>
email: <b>Kendra.Ruiz@dvn.com</b>	Telephone: <b>575-748-0167</b>
<b><u>OCD Only</u></b>	
Received by: <u>Ramona Marcus</u>	Date: <u>2/23/2022</u>



NAPP2204058257

Spills In Lined Containment	
Measurements Of Standing Fluid	
Length(Ft)	145
Width(Ft)	28
Depth(in.)	5.53
Total Capacity without tank displacements (bbls)	333.24
No. of 500 bbl Tanks In Standing Fluid	6
No. of Other Tanks In Standing Fluid	
OD Of Other Tanks In Standing Fluid(feet)	
Total Volume of standing fluid accounting for tank displacement.	240.36



Incident ID	nAPP2204058257
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 Final C141
- ☒ 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: Dale Woodall

Title: Environmental Professional

Signature: Dale Woodall

Date: 8/30/2022

email: dale.woodall@dvn.com

Telephone: 575.748.1838

**OCD Only**

Received by: \_\_\_\_\_

Date: \_\_\_\_\_

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

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_



## Kayla Taylor

---

**From:** Kayla Taylor  
**Sent:** Tuesday, June 28, 2022 7:57 AM  
**To:** OCD.Enviro@state.nm.us  
**Subject:** 48 hr Confirmation Sampling Notification - Bellatrix 28 Fed #1 for NAB1600826804, nAPP2209051047 & nAPP2204058257

All,

Confirmation samples will be collected on Thursday, June 30, 2022 around 10am for the historical release 2RP-3478 (now known as NAB1600826804), nAPP2209051047 and possibly nAPP2204058257. The sampling area of nAPP2204058257 is contingent on hand crews completing area this week.

Let me know if you have any questions.

### Kayla Taylor

#### Project Manager

Office: 432.522.2133 x504

Direct: 432.253.7114

Cell: 432.210.5443

Fax: 432.522.2180

Emergency: 866.742.0742

Web: [www.talonlpe.com](http://www.talonlpe.com)



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## Kayla Taylor

---

**From:** Kayla Taylor  
**Sent:** Tuesday, July 5, 2022 8:58 AM  
**To:** OCD.Enviro@state.nm.us  
**Subject:** 48 hr Confirmation Sampling Notification - Bellatrix 28 Fed #1 for nAPP2204058257 & nAB1917158019 (2RP-5494)

All,

Confirmation samples will be collected for incident nAPP2204058257 and nAB1917158019 on July 7, 2022 at 10am.

Let me know if you have any questions.

### Kayla Taylor

#### Project Manager

Office: 432.522.2133 x504

Direct: 432.253.7114

Cell: 432.210.5443

Fax: 432.522.2180

Emergency: 866.742.0742

Web: [www.talonlpe.com](http://www.talonlpe.com)



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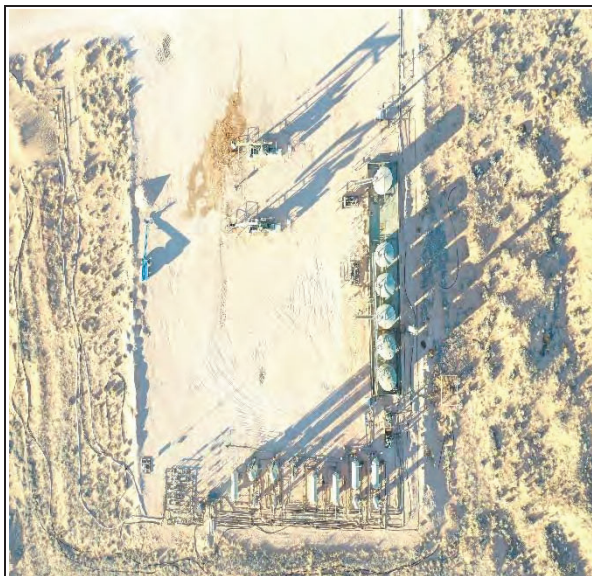




## **Appendix IV**

### Photographic Documentation



**Photograph No.1 Description:**

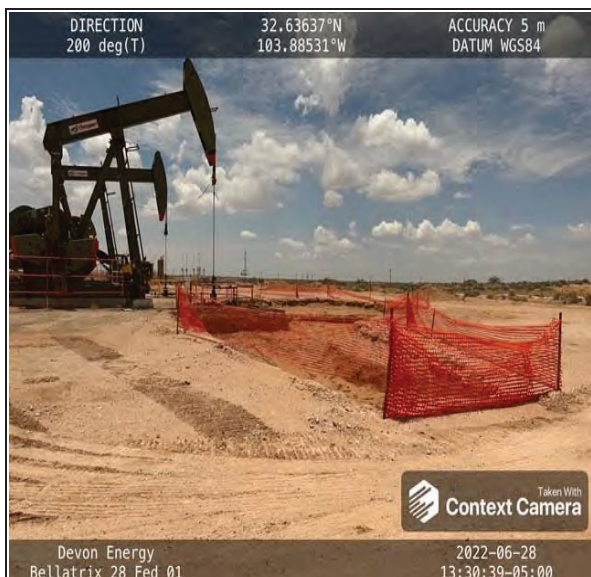
Aerial overview of release area.

**Photograph No.2 Description:**

View of release area.

**Photograph No.3 Description:**

View of release area.

**Photograph No.4 Description:**

Excavated area around well head.

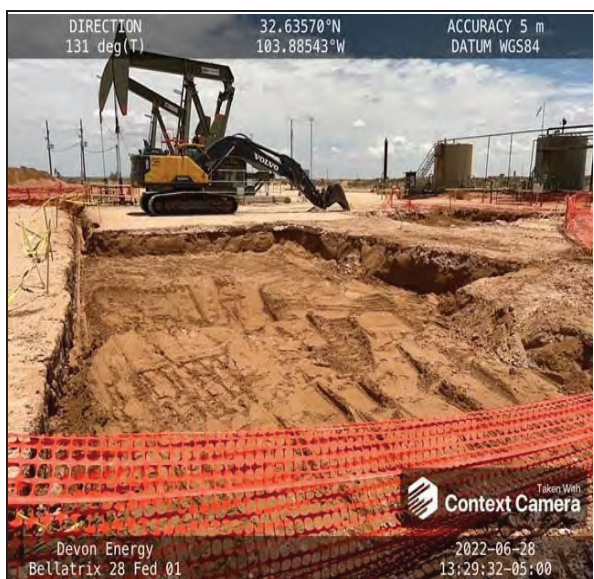


**Photograph No.5 Description:**

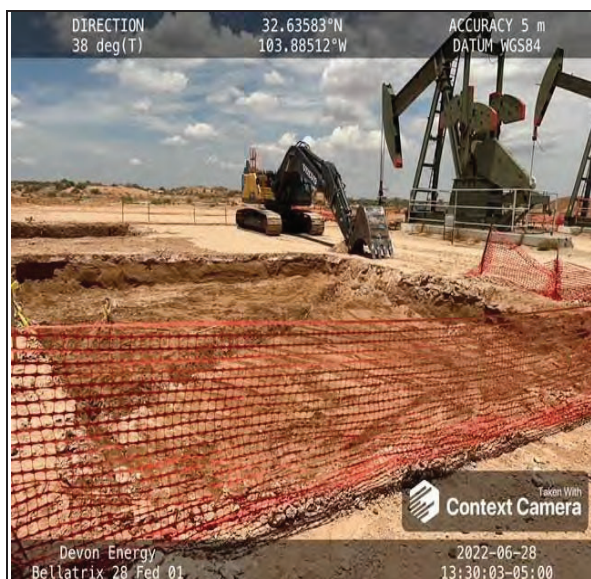
Excavation area around well head.

**Photograph No.6 Description:**

Excavation area around well head.

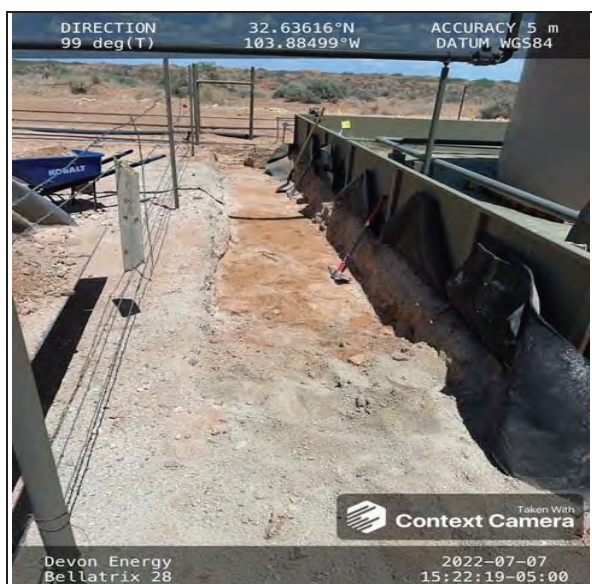
**Photograph No.7 Description:**

Excavation area in center portion of pad.

**Photograph No.8 Description:**

Excavation area in center portion of pad.



**Photograph No.9 Description:**

Excavated area on north side of secondary containment.

**Photograph No.10 Description:**

Excavated area on south side of secondary containment.

**Photograph No.11 Description:**

Backfilled excavation around well head.

**Photograph No.12 Description:**

Backfilled excavation in the center portion of the pad.





**Photograph No.13 Description:**

Backfilled excavation on north side of secondary containment.



**Photograph No.14 Description:**

Backfilled excavation on south side of secondary containment.





## **Appendix V**

### Laboratory Analytical Data





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

---

February 03, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: BELLATRIX 28 FED 1

Enclosed are the results of analyses for samples received by the laboratory on 01/31/22 14:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 01/31/2022  
 Reported: 02/03/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 01/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 2 0-0.5' (H220363-01)**

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	02/02/2022	ND	1.85	92.3	2.00	16.0		
Toluene*	<0.050	0.050	02/02/2022	ND	1.90	95.0	2.00	12.6		
Ethylbenzene*	<0.050	0.050	02/02/2022	ND	1.76	88.2	2.00	14.2		
Total Xylenes*	<0.150	0.150	02/02/2022	ND	5.57	92.9	6.00	14.0		
Total BTEx	<0.300	0.300	02/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	02/02/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2022	ND	203	101	200	0.480	
DRO >C10-C28*	<10.0	10.0	02/02/2022	ND	225	113	200	0.174	
EXT DRO >C28-C36	<10.0	10.0	02/02/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.2 % 59.5-142

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

Received: 01/31/2022  
 Reported: 02/03/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 01/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 8 0-1' (H220363-02)**

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	02/02/2022	ND	1.85	92.3	2.00	16.0		
Toluene*	<0.050	0.050	02/02/2022	ND	1.90	95.0	2.00	12.6		
Ethylbenzene*	<0.050	0.050	02/02/2022	ND	1.76	88.2	2.00	14.2		
Total Xylenes*	<0.150	0.150	02/02/2022	ND	5.57	92.9	6.00	14.0		
Total BTEX	<0.300	0.300	02/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	02/02/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2022	ND	203	101	200	0.480	
DRO >C10-C28*	160	10.0	02/02/2022	ND	225	113	200	0.174	
EXT DRO >C28-C36	549	10.0	02/02/2022	ND					

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.4 % 59.5-142

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

Received: 01/31/2022  
 Reported: 02/03/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 01/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 8 2' (H220363-03)**

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	02/02/2022	ND	1.85	92.3	2.00	16.0		
Toluene*	<0.050	0.050	02/02/2022	ND	1.90	95.0	2.00	12.6		
Ethylbenzene*	<0.050	0.050	02/02/2022	ND	1.76	88.2	2.00	14.2		
Total Xylenes*	<0.150	0.150	02/02/2022	ND	5.57	92.9	6.00	14.0		
Total BTX	<0.300	0.300	02/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	02/02/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2022	ND	180	90.1	200	19.3	
DRO >C10-C28*	<10.0	10.0	02/01/2022	ND	228	114	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	02/01/2022	ND					

Surrogate: 1-Chlorooctane 114 % 66.9-136

Surrogate: 1-Chlorooctadecane 115 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/31/2022  
 Reported: 02/03/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 01/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 8 3' (H220363-04)**

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	02/02/2022	ND	1.85	92.3	2.00	16.0		
Toluene*	<0.050	0.050	02/02/2022	ND	1.90	95.0	2.00	12.6		
Ethylbenzene*	<0.050	0.050	02/02/2022	ND	1.76	88.2	2.00	14.2		
Total Xylenes*	<0.150	0.150	02/02/2022	ND	5.57	92.9	6.00	14.0		
Total BTEX	<0.300	0.300	02/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	02/02/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2022	ND	180	90.1	200	19.3	
DRO >C10-C28*	<10.0	10.0	02/01/2022	ND	228	114	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	02/01/2022	ND					

Surrogate: 1-Chlorooctane 110 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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**Analytical Results For:**

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

Received: 01/31/2022  
Reported: 02/03/2022  
Project Name: BELLATRIX 28 FED 1  
Project Number: 700794.295.01  
Project Location: DEVON - EDDY CO NM

Sampling Date: 01/28/2022  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: S - 8 4' (H220363-05)**

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	02/02/2022	ND	1.85	92.3	2.00	16.0		
Toluene*	<0.050	0.050	02/02/2022	ND	1.90	95.0	2.00	12.6		
Ethylbenzene*	<0.050	0.050	02/02/2022	ND	1.76	88.2	2.00	14.2		
Total Xylenes*	<0.150	0.150	02/02/2022	ND	5.57	92.9	6.00	14.0		
Total BTEX	<0.300	0.300	02/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	02/02/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2022	ND	180	90.1	200	19.3	
DRO >C10-C28*	<10.0	10.0	02/01/2022	ND	228	114	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	02/01/2022	ND					

Surrogate: 1-Chlorooctane 113 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

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**Analytical Results For:**

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

Received: 01/31/2022  
 Reported: 02/03/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 01/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 9 0-1' (H220363-06)**

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2022	ND	2.14	107	2.00	6.31	
Toluene*	<0.050	0.050	02/01/2022	ND	2.06	103	2.00	6.63	
Ethylbenzene*	<0.050	0.050	02/01/2022	ND	2.04	102	2.00	7.82	
Total Xylenes*	<0.150	0.150	02/01/2022	ND	6.18	103	6.00	8.56	
Total BTEx	<0.300	0.300	02/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/02/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2022	ND	180	90.1	200	19.3	
DRO >C10-C28*	<10.0	10.0	02/01/2022	ND	228	114	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	02/01/2022	ND					

Surrogate: 1-Chlorooctane 111 % 66.9-136

Surrogate: 1-Chlorooctadecane 110 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/31/2022  
 Reported: 02/03/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 01/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 9 2' (H220363-07)**

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2022	ND	2.14	107	2.00	6.31	
Toluene*	<0.050	0.050	02/01/2022	ND	2.06	103	2.00	6.63	
Ethylbenzene*	<0.050	0.050	02/01/2022	ND	2.04	102	2.00	7.82	
Total Xylenes*	<0.150	0.150	02/01/2022	ND	6.18	103	6.00	8.56	
Total BTEX	<0.300	0.300	02/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	672	16.0	02/02/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2022	ND	180	90.1	200	19.3	
DRO >C10-C28*	<10.0	10.0	02/01/2022	ND	228	114	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	02/01/2022	ND					

Surrogate: 1-Chlorooctane 124 % 66.9-136

Surrogate: 1-Chlorooctadecane 125 % 59.5-142

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**Analytical Results For:**

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

Received: 01/31/2022  
 Reported: 02/03/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 01/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 9 3' (H220363-08)**

BTEX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/01/2022	ND	2.14	107	2.00	6.31		
Toluene*	<0.050	0.050	02/01/2022	ND	2.06	103	2.00	6.63		
Ethylbenzene*	<0.050	0.050	02/01/2022	ND	2.04	102	2.00	7.82		
Total Xylenes*	<0.150	0.150	02/01/2022	ND	6.18	103	6.00	8.56		
Total BTEX	<0.300	0.300	02/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	768	16.0	02/02/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2022	ND	180	90.1	200	19.3	
DRO >C10-C28*	<10.0	10.0	02/01/2022	ND	228	114	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	02/01/2022	ND					

Surrogate: 1-Chlorooctane 111 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 59.5-142

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**Analytical Results For:**

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

Received: 01/31/2022  
 Reported: 02/03/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 01/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 9 4' (H220363-09)**

BTEX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/01/2022	ND	2.14	107	2.00	6.31		
Toluene*	<0.050	0.050	02/01/2022	ND	2.06	103	2.00	6.63		
Ethylbenzene*	<0.050	0.050	02/01/2022	ND	2.04	102	2.00	7.82		
Total Xylenes*	<0.150	0.150	02/01/2022	ND	6.18	103	6.00	8.56		
Total BTEX	<0.300	0.300	02/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/02/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2022	ND	180	90.1	200	19.3	
DRO >C10-C28*	<10.0	10.0	02/01/2022	ND	228	114	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	02/01/2022	ND					

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

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**Analytical Results For:**

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

Received: 01/31/2022  
 Reported: 02/03/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 01/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 10 0-1' (H220363-10)**

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2022	ND	2.14	107	2.00	6.31	
Toluene*	<0.050	0.050	02/02/2022	ND	2.06	103	2.00	6.63	
Ethylbenzene*	<0.050	0.050	02/02/2022	ND	2.04	102	2.00	7.82	
Total Xylenes*	<0.150	0.150	02/02/2022	ND	6.18	103	6.00	8.56	
Total BTEx	<0.300	0.300	02/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/02/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2022	ND	180	90.1	200	19.3	
DRO >C10-C28*	<10.0	10.0	02/01/2022	ND	228	114	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	02/01/2022	ND					

Surrogate: 1-Chlorooctane 80.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 79.0 % 59.5-142

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**Analytical Results For:**

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

Received: 01/31/2022  
 Reported: 02/03/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 01/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 10 2' (H220363-11)**

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2022	ND	2.14	107	2.00	6.31	
Toluene*	<0.050	0.050	02/02/2022	ND	2.06	103	2.00	6.63	
Ethylbenzene*	<0.050	0.050	02/02/2022	ND	2.04	102	2.00	7.82	
Total Xylenes*	<0.150	0.150	02/02/2022	ND	6.18	103	6.00	8.56	
Total BTEX	<0.300	0.300	02/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	02/02/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2022	ND	203	101	200	0.480	
DRO >C10-C28*	<10.0	10.0	02/02/2022	ND	225	113	200	0.174	
EXT DRO >C28-C36	<10.0	10.0	02/02/2022	ND					

Surrogate: 1-Chlorooctane 98.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.8 % 59.5-142

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

Received: 01/31/2022  
 Reported: 02/03/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 01/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 10 3' (H220363-12)**

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2022	ND	2.14	107	2.00	6.31	
Toluene*	<0.050	0.050	02/02/2022	ND	2.06	103	2.00	6.63	
Ethylbenzene*	<0.050	0.050	02/02/2022	ND	2.04	102	2.00	7.82	
Total Xylenes*	<0.150	0.150	02/02/2022	ND	6.18	103	6.00	8.56	
Total BTEx	<0.300	0.300	02/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/02/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2022	ND	197	98.5	200	7.48	
DRO >C10-C28*	<10.0	10.0	02/01/2022	ND	234	117	200	6.01	
EXT DRO >C28-C36	<10.0	10.0	02/01/2022	ND					

Surrogate: 1-Chlorooctane 88.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/31/2022  
 Reported: 02/03/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 01/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 10 4' (H220363-13)**

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2022	ND	2.14	107	2.00	6.31	
Toluene*	<0.050	0.050	02/02/2022	ND	2.06	103	2.00	6.63	
Ethylbenzene*	<0.050	0.050	02/02/2022	ND	2.04	102	2.00	7.82	
Total Xylenes*	<0.150	0.150	02/02/2022	ND	6.18	103	6.00	8.56	
Total BTEX	<0.300	0.300	02/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/02/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2022	ND	203	101	200	0.480	
DRO >C10-C28*	<10.0	10.0	02/02/2022	ND	225	113	200	0.174	
EXT DRO >C28-C36	<10.0	10.0	02/02/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.3 % 59.5-142

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**Analytical Results For:**

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

Received: 01/31/2022  
 Reported: 02/03/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 01/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 11 0-1' (H220363-14)**

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2022	ND	2.14	107	2.00	6.31	
Toluene*	<0.050	0.050	02/02/2022	ND	2.06	103	2.00	6.63	
Ethylbenzene*	<0.050	0.050	02/02/2022	ND	2.04	102	2.00	7.82	
Total Xylenes*	<0.150	0.150	02/02/2022	ND	6.18	103	6.00	8.56	
Total BTEx	<0.300	0.300	02/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	02/02/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2022	ND	203	101	200	0.480	
DRO >C10-C28*	<10.0	10.0	02/02/2022	ND	225	113	200	0.174	
EXT DRO >C28-C36	<10.0	10.0	02/02/2022	ND					

Surrogate: 1-Chlorooctane 95.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 89.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/31/2022  
 Reported: 02/03/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 01/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 11 2' (H220363-15)**

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2022	ND	2.14	107	2.00	6.31	
Toluene*	<0.050	0.050	02/02/2022	ND	2.06	103	2.00	6.63	
Ethylbenzene*	<0.050	0.050	02/02/2022	ND	2.04	102	2.00	7.82	
Total Xylenes*	<0.150	0.150	02/02/2022	ND	6.18	103	6.00	8.56	
Total BTEx	<0.300	0.300	02/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	672	16.0	02/02/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2022	ND	203	101	200	0.480	
DRO >C10-C28*	<10.0	10.0	02/02/2022	ND	225	113	200	0.174	
EXT DRO >C28-C36	<10.0	10.0	02/02/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 93.3 % 59.5-142

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**Analytical Results For:**

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

Received: 01/31/2022  
 Reported: 02/03/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 01/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 11 3' (H220363-16)**

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2022	ND	2.14	107	2.00	6.31	
Toluene*	<0.050	0.050	02/02/2022	ND	2.06	103	2.00	6.63	
Ethylbenzene*	<0.050	0.050	02/02/2022	ND	2.04	102	2.00	7.82	
Total Xylenes*	<0.150	0.150	02/02/2022	ND	6.18	103	6.00	8.56	
Total BTEx	<0.300	0.300	02/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/02/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2022	ND	203	101	200	0.480	
DRO >C10-C28*	<10.0	10.0	02/02/2022	ND	225	113	200	0.174	
EXT DRO >C28-C36	<10.0	10.0	02/02/2022	ND					

Surrogate: 1-Chlorooctane 97.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 89.8 % 59.5-142

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**Analytical Results For:**

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

Received: 01/31/2022  
 Reported: 02/03/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 01/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 11 4' (H220363-17)**

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2022	ND	2.14	107	2.00	6.31	
Toluene*	<0.050	0.050	02/02/2022	ND	2.06	103	2.00	6.63	
Ethylbenzene*	<0.050	0.050	02/02/2022	ND	2.04	102	2.00	7.82	
Total Xylenes*	<0.150	0.150	02/02/2022	ND	6.18	103	6.00	8.56	
Total BTEx	<0.300	0.300	02/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/02/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2022	ND	203	101	200	0.480	
DRO >C10-C28*	<10.0	10.0	02/02/2022	ND	225	113	200	0.174	
EXT DRO >C28-C36	<10.0	10.0	02/02/2022	ND					

Surrogate: 1-Chlorooctane 100 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.3 % 59.5-142

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**Analytical Results For:**

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

Received: 01/31/2022  
 Reported: 02/03/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 01/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 12 0-1' (H220363-18)**

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2022	ND	2.14	107	2.00	6.31	
Toluene*	<0.050	0.050	02/02/2022	ND	2.06	103	2.00	6.63	
Ethylbenzene*	<0.050	0.050	02/02/2022	ND	2.04	102	2.00	7.82	
Total Xylenes*	<0.150	0.150	02/02/2022	ND	6.18	103	6.00	8.56	
Total BTEx	<0.300	0.300	02/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/02/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2022	ND	203	101	200	0.480	
DRO >C10-C28*	<10.0	10.0	02/02/2022	ND	225	113	200	0.174	
EXT DRO >C28-C36	<10.0	10.0	02/02/2022	ND					

Surrogate: 1-Chlorooctane 85.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 70.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/31/2022  
 Reported: 02/03/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 01/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 12 2' (H220363-19)**

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2022	ND	2.14	107	2.00	6.31	
Toluene*	<0.050	0.050	02/02/2022	ND	2.06	103	2.00	6.63	
Ethylbenzene*	<0.050	0.050	02/02/2022	ND	2.04	102	2.00	7.82	
Total Xylenes*	<0.150	0.150	02/02/2022	ND	6.18	103	6.00	8.56	
Total BTEX	<0.300	0.300	02/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/02/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2022	ND	203	101	200	0.480	
DRO >C10-C28*	<10.0	10.0	02/02/2022	ND	225	113	200	0.174	
EXT DRO >C28-C36	<10.0	10.0	02/02/2022	ND					

Surrogate: 1-Chlorooctane 93.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 76.4 % 59.5-142

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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

**Analytical Results For:**

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

Received: 01/31/2022  
Reported: 02/03/2022  
Project Name: BELLATRIX 28 FED 1  
Project Number: 700794.295.01  
Project Location: DEVON - EDDY CO NM

Sampling Date: 01/28/2022  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: S - 12 3' (H220363-20)**

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2022	ND	2.14	107	2.00	6.31	
Toluene*	<0.050	0.050	02/02/2022	ND	2.06	103	2.00	6.63	
Ethylbenzene*	<0.050	0.050	02/02/2022	ND	2.04	102	2.00	7.82	
Total Xylenes*	<0.150	0.150	02/02/2022	ND	6.18	103	6.00	8.56	
Total BTEx	<0.300	0.300	02/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/02/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2022	ND	203	101	200	0.480	
DRO >C10-C28*	<10.0	10.0	02/02/2022	ND	225	113	200	0.174	
EXT DRO >C28-C36	<10.0	10.0	02/02/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/31/2022  
 Reported: 02/03/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 01/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 12 4' (H220363-21)**

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2022	ND	2.14	107	2.00	6.31	
Toluene*	<0.050	0.050	02/02/2022	ND	2.06	103	2.00	6.63	
Ethylbenzene*	<0.050	0.050	02/02/2022	ND	2.04	102	2.00	7.82	
Total Xylenes*	<0.150	0.150	02/02/2022	ND	6.18	103	6.00	8.56	
Total BTEx	<0.300	0.300	02/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	02/02/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2022	ND	203	101	200	0.480	
DRO >C10-C28*	<10.0	10.0	02/02/2022	ND	225	113	200	0.174	
EXT DRO >C28-C36	<10.0	10.0	02/02/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/31/2022  
 Reported: 02/03/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 01/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 14 0-1' (H220363-22)**

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2022	ND	2.14	107	2.00	6.31	
Toluene*	<0.050	0.050	02/02/2022	ND	2.06	103	2.00	6.63	
Ethylbenzene*	<0.050	0.050	02/02/2022	ND	2.04	102	2.00	7.82	
Total Xylenes*	<0.150	0.150	02/02/2022	ND	6.18	103	6.00	8.56	
Total BTEX	<0.300	0.300	02/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/02/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2022	ND	203	101	200	0.480	
DRO >C10-C28*	<10.0	10.0	02/02/2022	ND	225	113	200	0.174	
EXT DRO >C28-C36	<10.0	10.0	02/02/2022	ND					

Surrogate: 1-Chlorooctane 99.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 75.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/31/2022  
 Reported: 02/03/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 01/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 14 2' (H220363-23)**

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2022	ND	2.14	107	2.00	6.31	
Toluene*	<0.050	0.050	02/02/2022	ND	2.06	103	2.00	6.63	
Ethylbenzene*	<0.050	0.050	02/02/2022	ND	2.04	102	2.00	7.82	
Total Xylenes*	<0.150	0.150	02/02/2022	ND	6.18	103	6.00	8.56	
Total BTEx	<0.300	0.300	02/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/02/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2022	ND	203	101	200	0.480	
DRO >C10-C28*	<10.0	10.0	02/02/2022	ND	225	113	200	0.174	
EXT DRO >C28-C36	<10.0	10.0	02/02/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 01/31/2022  
 Reported: 02/03/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 01/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 14 3' (H220363-24)**

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2022	ND	2.14	107	2.00	6.31	
Toluene*	<0.050	0.050	02/02/2022	ND	2.06	103	2.00	6.63	
Ethylbenzene*	<0.050	0.050	02/02/2022	ND	2.04	102	2.00	7.82	
Total Xylenes*	<0.150	0.150	02/02/2022	ND	6.18	103	6.00	8.56	
Total BTEx	<0.300	0.300	02/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/02/2022	ND	416	104	400	3.92		

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	02/03/2022	ND	203	101	200	0.480	
DRO >C10-C28*	<10.0	10.0	02/03/2022	ND	225	113	200	0.174	
EXT DRO >C28-C36	<10.0	10.0	02/03/2022	ND					

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
A-01	CCV DRO was high but all samples ND.
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", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager





CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

Company Name: Talon LPE		<b>BILL TO</b>		ANALYSIS REQUEST													
Project Manager: R. Pons		P.O. #:															
Address: 408 W. Texas Ave		Company:															
City: Artesia		Attn:															
Phone #: 575.746.8768		Address:															
Fax #: Project #: 700794.295.01		City:															
Project Name: Bellatrix 28 Fed #1		State:															
Project Location: Eddy		Phone #:															
Sample Name: Art, James, Matt		Fax #:															
FOR LAB USE ONLY																	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX		PRESERV.	SAMPLING										
		GROUNDWATER		WASTEWATER													
		SOIL		OIL													
		SLUDGE		OTHER :													
		ACID/BASE:		ICE / COOL													
		OTHER :															
		DATE	TIME														
1	S-2 0-0.5'	126	3:25	BTax													
2	S-8 0-1'		2:57	CL													
3	S-8 2'		2:08	TDH.													
4	S-8 3'		2:09														
5	S-8 4'		2:10														
6	S-9 0-1'		1:45														
7	S-9 2'		1:44														
8	S-9 3'		1:47														
9	S-9 4'		1:42														
10	S-10 0-1'		2:31														
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Relinquished By:		Date: 1-31-22	Received By:														
Time: 1400																	
Relinquished By:		Date:	Received By:														
Time:																	
Delivered By: (Circle One) S.C.E. C.O.S.E.		Sample Condition															
Cool		Intact															
Yes		Yes															
No		No															
Checked By: (Initials)																	
REMARKS:																	
Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:															
Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:															

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326





CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

Company Name: Talon LPE		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																	
Project Manager: R. Pons		P.O. #:																			
Address: 408 W. Texas Ave		Company:																			
City: Artesia		Attn:																			
Phone #: 575.746.8768		Address:																			
Fax #: 575.746.8768		City:																			
Project #: 700794.295.01		State:																			
Project Owner: Devon		Zip:																			
Project Name: Bellatrix 28 Fed #1		Phone #:																			
Project Location: Eddy		Fax #:																			
Sampler Name: Art, James, Matt																					
FOR LAB USE ONLY																					
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.		MATRIX		PRESERV.		SAMPLING													
		# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	BTex	CL	TPH					
11	S-10 2'	6	1									1/28	2:32								
12	S-10 3'												2:33								
13	S-10 4'												2:34								
14	S-11 0-1'												1:17								
15	S-11 2												1:18								
16	S-11 3'												1:19								
17	S-11 4'												1:20								
18	S-12 0-1'												2:45								
19	S-12 2'												2:46								
20	S-12 3'												2:47								
PLEASE NOTE: Liability and damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal regardless of whether such claim is based upon any of the above stated reasons or otherwise.																					
Relinquished By:		Date: 1-31-22		Received By:		Phone Result:		Fax Result:		Add'l Phone #:											
Relinquished By:		Time: 1:40		Received By:		Yes <input type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>		Add'l Fax #:											
Delivered By: (Circle One) 5.62 C-0.56		Sample Condition		Cool		Intact		Checked By:													
Sampler - UPS - Bus - Other: 5.12 #118		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		40															

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

Company Name: Talon LPE		<b>BILL TO</b>		ANALYSIS REQUEST																															
Project Manager: R. Pons		P.O. #:																																	
Address: 408 W. Texas Ave		Company:																																	
City: Artesia		Attn:																																	
Phone #: 575.746.8768		Address:																																	
Fax #:		City:																																	
Project #: 700794.295.01		State: NM		Zip: 88210																															
Project Owner: Devon		City:																																	
Project Name: Bellatrix 28 Fed #1		State:		Zip:																															
Project Location: Eddy		Phone #:																																	
Sampler Name: Art, James, Matt		Fax #:																																	
FOR LAB USE ONLY																																			
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		BTex		CL		TDH.	
H230363		21		S-12 4'		↑																				128		2:48							
		22		S-14 0-1'		↑																						3:35							
		23		S-14 2'		↑																						3:40							
		24		S-14 3'		↑																						3:45							
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising from this contract or tort, shall be limited to the amount paid by the client for the service. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated remedies or otherwise.																																			
Relinquished By:		Date: 1-31-22		Received By:																															
Relinquished By:		Time: 1400		Received By:																															
Delivered By: (Circle One)		S-62		C-0-52		Sample Condition		Cool		Intact		Yes		No		Yes		No		Checked By:		(Initials)													
Sampler - UPS - Bus - Other:		S-62		C-0-52		Cool		Intact		Yes		No		Yes		No		Yes		No		Checked By:		(Initials)											
Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326														REMARKS:																					





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

---

February 16, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: BELLATRIX 28 FED 1

Enclosed are the results of analyses for samples received by the laboratory on 02/14/22 12:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 02/14/2022  
 Reported: 02/16/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 02/09/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 1 0-1' R (H220565-01)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/15/2022	ND	1.86	93.0	2.00	7.75	
<b>Toluene*</b>	<b>0.058</b>	0.050	02/15/2022	ND	1.87	93.4	2.00	8.72	
Ethylbenzene*	<0.050	0.050	02/15/2022	ND	1.90	95.2	2.00	8.74	
Total Xylenes*	<0.150	0.150	02/15/2022	ND	5.92	98.7	6.00	8.20	
Total BTEX	<0.300	0.300	02/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 114 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>2040</b>	16.0	02/15/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10*</b>	<b>33.3</b>	10.0	02/15/2022	ND	198	99.1	200	5.02		
<b>DRO &gt;C10-C28*</b>	<b>1930</b>	10.0	02/15/2022	ND	208	104	200	15.2		
<b>EXT DRO &gt;C28-C36</b>	<b>461</b>	10.0	02/15/2022	ND						

Surrogate: 1-Chlorooctane 146 % 66.9-136

Surrogate: 1-Chlorooctadecane 206 % 59.5-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 02/14/2022  
 Reported: 02/16/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 02/09/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 2 0-1' (H220565-02)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/15/2022	ND	1.86	93.0	2.00	7.75	
<b>Toluene*</b>	<b>0.142</b>	0.050	02/15/2022	ND	1.87	93.4	2.00	8.72	
<b>Ethylbenzene*</b>	<b>0.129</b>	0.050	02/15/2022	ND	1.90	95.2	2.00	8.74	
<b>Total Xylenes*</b>	<b>0.295</b>	0.150	02/15/2022	ND	5.92	98.7	6.00	8.20	
<b>Total BTX</b>	<b>0.567</b>	0.300	02/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>2640</b>	16.0	02/15/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10*</b>	<b>10.9</b>	10.0	02/15/2022	ND	198	99.1	200	5.02		
<b>DRO &gt;C10-C28*</b>	<b>3080</b>	10.0	02/15/2022	ND	208	104	200	15.2		
<b>EXT DRO &gt;C28-C36</b>	<b>1430</b>	10.0	02/15/2022	ND						

Surrogate: 1-Chlorooctane 129 % 66.9-136

Surrogate: 1-Chlorooctadecane 179 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 02/14/2022  
 Reported: 02/16/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 02/09/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 2 2' (H220565-03)**

BTEx 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/15/2022	ND	1.86	93.0	2.00	7.75	
Toluene*	<0.050	0.050	02/15/2022	ND	1.87	93.4	2.00	8.72	
Ethylbenzene*	<0.050	0.050	02/15/2022	ND	1.90	95.2	2.00	8.74	
Total Xylenes*	<0.150	0.150	02/15/2022	ND	5.92	98.7	6.00	8.20	
Total BTEX	<0.300	0.300	02/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 104 % 69.9-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	02/15/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2022	ND	198	99.1	200	5.02	
DRO >C10-C28*	141	10.0	02/15/2022	ND	208	104	200	15.2	
EXT DRO >C28-C36	55.7	10.0	02/15/2022	ND					

Surrogate: 1-Chlorooctane 130 % 66.9-136

Surrogate: 1-Chlorooctadecane 150 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 02/14/2022  
 Reported: 02/16/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 02/09/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 2 3' (H220565-04)**

BTEx 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/15/2022	ND	1.86	93.0	2.00	7.75	
Toluene*	<0.050	0.050	02/15/2022	ND	1.87	93.4	2.00	8.72	
Ethylbenzene*	<0.050	0.050	02/15/2022	ND	1.90	95.2	2.00	8.74	
Total Xylenes*	<0.150	0.150	02/15/2022	ND	5.92	98.7	6.00	8.20	
Total BTEX	<0.300	0.300	02/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 105 % 69.9-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	02/15/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2022	ND	198	99.1	200	5.02	
DRO >C10-C28*	68.7	10.0	02/15/2022	ND	208	104	200	15.2	
EXT DRO >C28-C36	22.1	10.0	02/15/2022	ND					

Surrogate: 1-Chlorooctane 129 % 66.9-136

Surrogate: 1-Chlorooctadecane 144 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 02/14/2022  
 Reported: 02/16/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 02/09/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 2 4' (H220565-05)**

BTEx 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/15/2022	ND	1.86	93.0	2.00	7.75	
Toluene*	<0.050	0.050	02/15/2022	ND	1.87	93.4	2.00	8.72	
Ethylbenzene*	<0.050	0.050	02/15/2022	ND	1.90	95.2	2.00	8.74	
Total Xylenes*	<0.150	0.150	02/15/2022	ND	5.92	98.7	6.00	8.20	
Total BTEX	<0.300	0.300	02/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 69.9-140

Chloride, SM4500CI-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	02/15/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2022	ND	198	99.1	200	5.02	
DRO >C10-C28*	87.6	10.0	02/15/2022	ND	208	104	200	15.2	
EXT DRO >C28-C36	27.3	10.0	02/15/2022	ND					

Surrogate: 1-Chlorooctane 132 % 66.9-136

Surrogate: 1-Chlorooctadecane 148 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 02/14/2022  
 Reported: 02/16/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 02/09/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 3 0-1' (H220565-06)**

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/15/2022	ND	1.86	93.0	2.00	7.75	
Toluene*	2.18	0.050	02/15/2022	ND	1.87	93.4	2.00	8.72	
Ethylbenzene*	6.18	0.050	02/15/2022	ND	1.90	95.2	2.00	8.74	
Total Xylenes*	19.0	0.150	02/15/2022	ND	5.92	98.7	6.00	8.20	
Total BTX	27.4	0.300	02/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 200 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5760	16.0	02/15/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	680	10.0	02/15/2022	ND	198	99.1	200	5.02	
DRO >C10-C28*	9650	10.0	02/15/2022	ND	208	104	200	15.2	
EXT DRO >C28-C36	1780	10.0	02/15/2022	ND					

Surrogate: 1-Chlorooctane 253 % 66.9-136

Surrogate: 1-Chlorooctadecane 274 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 02/14/2022  
 Reported: 02/16/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 02/09/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 3 2' (H220565-07)**

BTEx 8021B		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/15/2022	ND	1.86	93.0	2.00	7.75	
Toluene*	<0.050	0.050	02/15/2022	ND	1.87	93.4	2.00	8.72	
Ethylbenzene*	<0.050	0.050	02/15/2022	ND	1.90	95.2	2.00	8.74	
<b>Total Xylenes*</b>	<b>0.199</b>	0.150	02/15/2022	ND	5.92	98.7	6.00	8.20	
Total BTEX	<0.300	0.300	02/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 111 % 69.9-140

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>704</b>	16.0	02/15/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS							S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10*</b>	<b>15.8</b>	10.0	02/15/2022	ND	198	99.1	200	5.02		
<b>DRO &gt;C10-C28*</b>	<b>685</b>	10.0	02/15/2022	ND	208	104	200	15.2		
<b>EXT DRO &gt;C28-C36</b>	<b>185</b>	10.0	02/15/2022	ND						

Surrogate: 1-Chlorooctane 135 % 66.9-136

Surrogate: 1-Chlorooctadecane 164 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 02/14/2022  
 Reported: 02/16/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 02/09/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 3 3' (H220565-08)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/15/2022	ND	1.86	93.0	2.00	7.75	
Toluene*	<0.050	0.050	02/15/2022	ND	1.87	93.4	2.00	8.72	
Ethylbenzene*	<0.050	0.050	02/15/2022	ND	1.90	95.2	2.00	8.74	
Total Xylenes*	<0.150	0.150	02/15/2022	ND	5.92	98.7	6.00	8.20	
Total BTEX	<0.300	0.300	02/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	02/15/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/15/2022	ND	198	99.1	200	5.02		
DRO >C10-C28*	189	10.0	02/15/2022	ND	208	104	200	15.2		
EXT DRO >C28-C36	37.7	10.0	02/15/2022	ND						

Surrogate: 1-Chlorooctane 132 % 66.9-136

Surrogate: 1-Chlorooctadecane 151 % 59.5-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 02/14/2022  
 Reported: 02/16/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 02/09/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 3 4' (H220565-09)**

BTEx 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/15/2022	ND	1.86	93.0	2.00	7.75	
Toluene*	<0.050	0.050	02/15/2022	ND	1.87	93.4	2.00	8.72	
Ethylbenzene*	<0.050	0.050	02/15/2022	ND	1.90	95.2	2.00	8.74	
Total Xylenes*	<0.150	0.150	02/15/2022	ND	5.92	98.7	6.00	8.20	
Total BTEX	<0.300	0.300	02/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 105 % 69.9-140

Chloride, SM4500CI-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/15/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2022	ND	198	99.1	200	5.02	
DRO >C10-C28*	112	10.0	02/15/2022	ND	208	104	200	15.2	
EXT DRO >C28-C36	21.9	10.0	02/15/2022	ND					

Surrogate: 1-Chlorooctane 130 % 66.9-136

Surrogate: 1-Chlorooctadecane 147 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 02/14/2022  
 Reported: 02/16/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 02/09/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 4 0-0.5' R (H220565-10)**

BTX 8021B		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/15/2022	ND	1.86	93.0	2.00	7.75	
<b>Toluene*</b>	<b>0.075</b>	0.050	02/15/2022	ND	1.87	93.4	2.00	8.72	
<b>Ethylbenzene*</b>	<b>0.051</b>	0.050	02/15/2022	ND	1.90	95.2	2.00	8.74	
Total Xylenes*	<0.150	0.150	02/15/2022	ND	5.92	98.7	6.00	8.20	
Total BTX	<0.300	0.300	02/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>16800</b>	16.0	02/15/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10*</b>	<b>87.6</b>	50.0	02/15/2022	ND	198	99.1	200	5.02		
<b>DRO &gt;C10-C28*</b>	<b>6350</b>	50.0	02/15/2022	ND	208	104	200	15.2		
<b>EXT DRO &gt;C28-C36</b>	<b>1490</b>	50.0	02/15/2022	ND						

Surrogate: 1-Chlorooctane 174 % 66.9-136

Surrogate: 1-Chlorooctadecane 203 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 02/14/2022  
 Reported: 02/16/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 02/09/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 5 0-1' (H220565-11)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/15/2022	ND	1.86	93.0	2.00	7.75	
Toluene*	<0.050	0.050	02/15/2022	ND	1.87	93.4	2.00	8.72	
Ethylbenzene*	<0.050	0.050	02/15/2022	ND	1.90	95.2	2.00	8.74	
<b>Total Xylenes*</b>	<b>0.178</b>	0.150	02/15/2022	ND	5.92	98.7	6.00	8.20	
Total BTEX	<0.300	0.300	02/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 116 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>6640</b>	16.0	02/15/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10*</b>	<b>99.1</b>	50.0	02/15/2022	ND	198	99.1	200	5.02		
<b>DRO &gt;C10-C28*</b>	<b>5280</b>	50.0	02/15/2022	ND	208	104	200	15.2		
<b>EXT DRO &gt;C28-C36</b>	<b>1270</b>	50.0	02/15/2022	ND						

Surrogate: 1-Chlorooctane 132 % 66.9-136

Surrogate: 1-Chlorooctadecane 147 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 02/14/2022  
 Reported: 02/16/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 02/09/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 5 2' (H220565-12)**

BTEx 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2022	ND	1.86	93.0	2.00	7.75	
Toluene*	<0.050	0.050	02/16/2022	ND	1.87	93.4	2.00	8.72	
Ethylbenzene*	<0.050	0.050	02/16/2022	ND	1.90	95.2	2.00	8.74	
Total Xylenes*	<0.150	0.150	02/16/2022	ND	5.92	98.7	6.00	8.20	
Total BTEX	<0.300	0.300	02/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 105 % 69.9-140

Chloride, SM4500CI-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	02/15/2022	ND	432	108	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2022	ND	198	99.1	200	5.02	
DRO >C10-C28*	31.0	10.0	02/15/2022	ND	208	104	200	15.2	
EXT DRO >C28-C36	<10.0	10.0	02/15/2022	ND					

Surrogate: 1-Chlorooctane 100 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 02/14/2022  
 Reported: 02/16/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 02/09/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 5 3' (H220565-13)**

BTEx 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2022	ND	1.86	93.0	2.00	7.75	
Toluene*	<0.050	0.050	02/16/2022	ND	1.87	93.4	2.00	8.72	
Ethylbenzene*	<0.050	0.050	02/16/2022	ND	1.90	95.2	2.00	8.74	
Total Xylenes*	<0.150	0.150	02/16/2022	ND	5.92	98.7	6.00	8.20	
Total BTEX	<0.300	0.300	02/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 105 % 69.9-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/15/2022	ND	432	108	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2022	ND	198	99.1	200	5.02	
DRO >C10-C28*	15.5	10.0	02/15/2022	ND	208	104	200	15.2	
EXT DRO >C28-C36	<10.0	10.0	02/15/2022	ND					

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 02/14/2022  
 Reported: 02/16/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 02/09/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 5 4' (H220565-14)**

BTEx 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2022	ND	1.86	93.0	2.00	7.75	
Toluene*	<0.050	0.050	02/16/2022	ND	1.87	93.4	2.00	8.72	
Ethylbenzene*	<0.050	0.050	02/16/2022	ND	1.90	95.2	2.00	8.74	
Total Xylenes*	<0.150	0.150	02/16/2022	ND	5.92	98.7	6.00	8.20	
Total BTEX	<0.300	0.300	02/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 105 % 69.9-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/15/2022	ND	432	108	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2022	ND	198	99.1	200	5.02	
DRO >C10-C28*	41.0	10.0	02/15/2022	ND	208	104	200	15.2	
EXT DRO >C28-C36	<10.0	10.0	02/15/2022	ND					

Surrogate: 1-Chlorooctane 106 % 66.9-136

Surrogate: 1-Chlorooctadecane 108 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 02/14/2022  
 Reported: 02/16/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 02/09/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 6 0-1' (H220565-15)**

BTEx 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2022	ND	1.86	93.0	2.00	7.75	
<b>Toluene*</b>	<b>0.081</b>	0.050	02/16/2022	ND	1.87	93.4	2.00	8.72	
<b>Ethylbenzene*</b>	<b>0.425</b>	0.050	02/16/2022	ND	1.90	95.2	2.00	8.74	
<b>Total Xylenes*</b>	<b>2.57</b>	0.150	02/16/2022	ND	5.92	98.7	6.00	8.20	
<b>Total BTEx</b>	<b>3.07</b>	0.300	02/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 197 % 69.9-140

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>352</b>	16.0	02/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>318</b>	50.0	02/15/2022	ND	198	99.1	200	5.02	
<b>DRO &gt;C10-C28*</b>	<b>6920</b>	50.0	02/15/2022	ND	208	104	200	15.2	
<b>EXT DRO &gt;C28-C36</b>	<b>1550</b>	50.0	02/15/2022	ND					

Surrogate: 1-Chlorooctane 183 % 66.9-136

Surrogate: 1-Chlorooctadecane 169 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 02/14/2022  
 Reported: 02/16/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 02/09/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 6 2' (H220565-16)**

BTEx 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2022	ND	1.86	93.0	2.00	7.75	
Toluene*	<0.050	0.050	02/16/2022	ND	1.87	93.4	2.00	8.72	
Ethylbenzene*	<0.050	0.050	02/16/2022	ND	1.90	95.2	2.00	8.74	
Total Xylenes*	<0.150	0.150	02/16/2022	ND	5.92	98.7	6.00	8.20	
Total BTEX	<0.300	0.300	02/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 104 % 69.9-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/15/2022	ND	432	108	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2022	ND	198	99.1	200	5.02	
DRO >C10-C28*	11.5	10.0	02/15/2022	ND	208	104	200	15.2	
EXT DRO >C28-C36	<10.0	10.0	02/15/2022	ND					

Surrogate: 1-Chlorooctane 113 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

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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

**Analytical Results For:**

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

Received: 02/14/2022  
 Reported: 02/16/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 02/09/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 6 3' (H220565-17)**

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/15/2022	ND	1.81	90.4	2.00	12.2	
Toluene*	<0.050	0.050	02/15/2022	ND	1.81	90.6	2.00	10.4	
Ethylbenzene*	<0.050	0.050	02/15/2022	ND	1.76	87.8	2.00	9.82	
Total Xylenes*	<0.150	0.150	02/15/2022	ND	5.49	91.5	6.00	9.49	
Total BTEX	<0.300	0.300	02/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/15/2022	ND	416	104	400	3.77	

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	02/15/2022	ND	198	99.1	200	5.02	
DRO >C10-C28*	<10.0	10.0	02/15/2022	ND	208	104	200	15.2	
EXT DRO >C28-C36	<10.0	10.0	02/15/2022	ND					

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 113 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 02/14/2022  
 Reported: 02/16/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 02/09/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 6 4' (H220565-18)**

BTEx 8021B		mg/kg	Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/15/2022	ND	1.81	90.4	2.00	12.2	
Toluene*	<0.050	0.050	02/15/2022	ND	1.81	90.6	2.00	10.4	
Ethylbenzene*	<0.050	0.050	02/15/2022	ND	1.76	87.8	2.00	9.82	
Total Xylenes*	<0.150	0.150	02/15/2022	ND	5.49	91.5	6.00	9.49	
Total BTEX	<0.300	0.300	02/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/15/2022	ND	416	104	400	3.77	

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	02/15/2022	ND	198	99.1	200	5.02	
DRO >C10-C28*	24.2	10.0	02/15/2022	ND	208	104	200	15.2	
EXT DRO >C28-C36	<10.0	10.0	02/15/2022	ND					

Surrogate: 1-Chlorooctane 106 % 66.9-136

Surrogate: 1-Chlorooctadecane 109 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 02/14/2022  
 Reported: 02/16/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 02/09/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BG - 1 0' (H220565-19)**

BTEx 8021B		mg/kg	Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/15/2022	ND	1.81	90.4	2.00	12.2	
<b>Toluene*</b>	<b>0.082</b>	0.050	02/15/2022	ND	1.81	90.6	2.00	10.4	
Ethylbenzene*	<0.050	0.050	02/15/2022	ND	1.76	87.8	2.00	9.82	
Total Xylenes*	<0.150	0.150	02/15/2022	ND	5.49	91.5	6.00	9.49	
Total BTEX	<0.300	0.300	02/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>224</b>	16.0	02/15/2022	ND	416	104	400	3.77	

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	02/15/2022	ND	198	99.1	200	5.02	
<b>DRO &gt;C10-C28*</b>	<b>264</b>	10.0	02/15/2022	ND	208	104	200	15.2	
<b>EXT DRO &gt;C28-C36</b>	<b>161</b>	10.0	02/15/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 115 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 02/14/2022  
 Reported: 02/16/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 02/09/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BG - 2 0' (H220565-20)**

BTEx 8021B		mg/kg	Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/15/2022	ND	1.81	90.4	2.00	12.2	
Toluene*	<0.050	0.050	02/15/2022	ND	1.81	90.6	2.00	10.4	
Ethylbenzene*	<0.050	0.050	02/15/2022	ND	1.76	87.8	2.00	9.82	
Total Xylenes*	<0.150	0.150	02/15/2022	ND	5.49	91.5	6.00	9.49	
Total BTEX	<0.300	0.300	02/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	02/15/2022	ND	416	104	400	3.77	

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	02/15/2022	ND	246	123	200	4.40	
DRO >C10-C28*	217	10.0	02/15/2022	ND	220	110	200	1.39	
EXT DRO >C28-C36	78.1	10.0	02/15/2022	ND					

Surrogate: 1-Chlorooctane 85.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 02/14/2022  
 Reported: 02/16/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 02/09/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BG - 3 0' (H220565-21)**

BTEx 8021B		mg/kg	Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/15/2022	ND	1.81	90.4	2.00	12.2	
<b>Toluene*</b>	<b>0.116</b>	0.050	02/15/2022	ND	1.81	90.6	2.00	10.4	
<b>Ethylbenzene*</b>	<b>0.056</b>	0.050	02/15/2022	ND	1.76	87.8	2.00	9.82	
Total Xylenes*	<0.150	0.150	02/15/2022	ND	5.49	91.5	6.00	9.49	
Total BTEX	<0.300	0.300	02/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>144</b>	16.0	02/15/2022	ND	416	104	400	3.77	

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	02/15/2022	ND	246	123	200	4.40	
<b>DRO &gt;C10-C28*</b>	<b>198</b>	10.0	02/15/2022	ND	220	110	200	1.39	
<b>EXT DRO &gt;C28-C36</b>	<b>75.7</b>	10.0	02/15/2022	ND					

Surrogate: 1-Chlorooctane 81.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 02/14/2022  
 Reported: 02/16/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 02/09/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BG - 4 0' (H220565-22)**

BTEx 8021B		mg/kg	Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/15/2022	ND	1.81	90.4	2.00	12.2	
<b>Toluene*</b>	<b>0.144</b>	0.050	02/15/2022	ND	1.81	90.6	2.00	10.4	
<b>Ethylbenzene*</b>	<b>0.082</b>	0.050	02/15/2022	ND	1.76	87.8	2.00	9.82	
Total Xylenes*	<0.150	0.150	02/15/2022	ND	5.49	91.5	6.00	9.49	
<b>Total BTEx</b>	<b>0.334</b>	0.300	02/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>160</b>	16.0	02/15/2022	ND	416	104	400	3.77	

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	02/15/2022	ND	246	123	200	4.40	
<b>DRO &gt;C10-C28*</b>	<b>169</b>	10.0	02/15/2022	ND	220	110	200	1.39	
<b>EXT DRO &gt;C28-C36</b>	<b>78.3</b>	10.0	02/15/2022	ND					

Surrogate: 1-Chlorooctane 86.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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









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### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]









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

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February 22, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: BELLATRIX 28 FED 1

Enclosed are the results of analyses for samples received by the laboratory on 02/16/22 14:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 02/16/2022  
 Reported: 02/22/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 02/14/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: E - COMP (H220605-01)**

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2022	ND	2.06	103	2.00	1.57	
Toluene*	<0.050	0.050	02/19/2022	ND	2.05	103	2.00	2.09	
Ethylbenzene*	<0.050	0.050	02/19/2022	ND	1.97	98.6	2.00	1.20	
Total Xylenes*	<0.150	0.150	02/19/2022	ND	6.12	102	6.00	0.966	
Total BTEX	<0.300	0.300	02/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	02/17/2022	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2022	ND	201	100	200	0.151	
DRO >C10-C28*	<10.0	10.0	02/21/2022	ND	205	103	200	1.38	
EXT DRO >C28-C36	<10.0	10.0	02/21/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 108 % 59.5-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 02/16/2022  
 Reported: 02/22/2022  
 Project Name: BELLATRIX 28 FED 1  
 Project Number: 700794.295.01  
 Project Location: DEVON - EDDY CO NM

Sampling Date: 02/14/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: W - COMP (H220605-02)**

BTEX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/19/2022	ND	2.06	103	2.00	1.57		
Toluene*	<0.050	0.050	02/19/2022	ND	2.05	103	2.00	2.09		
Ethylbenzene*	<0.050	0.050	02/19/2022	ND	1.97	98.6	2.00	1.20		
Total Xylenes*	<0.150	0.150	02/19/2022	ND	6.12	102	6.00	0.966		
Total BTEX	<0.300	0.300	02/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	02/17/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/18/2022	ND	201	100	200	0.151	
DRO >C10-C28*	<10.0	10.0	02/18/2022	ND	205	103	200	1.38	
EXT DRO >C28-C36	<10.0	10.0	02/18/2022	ND					

Surrogate: 1-Chlorooctane 89.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.8 % 59.5-142

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

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### Notes and Definitions

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

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\*=Accredited Analyte

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

---

Celey D. Keene, Lab Director/Quality Manager





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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

[illegible]





Environment Testing  
America

## ANALYTICAL REPORT

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

Laboratory Job ID: 880-16516-1

Laboratory Sample Delivery Group: Eddy Co NM  
Client Project/Site: Bellatrix 28 Fed 01H

For:

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

Attn: Kayla Taylor

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

Authorized for release by:  
7/5/2022 4:39:10 PM

Jessica Kramer, Project Manager  
(432)704-5440

[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)

### LINKS

Review your project  
results through



Have a Question?



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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.



Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Laboratory Job ID: 880-16516-1  
SDG: Eddy Co NM

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## Definitions/Glossary

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

## Qualifiers

## GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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.
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
*1	LCS/LCSD RPD exceeds control limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
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.
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.

## 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)

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Definitions/Glossary

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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

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## Case Narrative

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

**Job ID: 880-16516-1****Laboratory: Eurofins Midland****Narrative****Job Narrative  
880-16516-1****Receipt**

The samples were received on 7/1/2022 8:12 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.2°C

**GC VOA**

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

**GC Semi VOA**

Method 8015MOD\_NM: The method blank for preparation batch 880-28837 and analytical batch 880-28952 contained Oil Range Organics (Over C28-C36) 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 RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-28837 and analytical batch 880-28952 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

Method 8015MOD\_NM: The method blank for preparation batch 880-28906 and analytical batch 880-28973 contained Gasoline Range Organics (GRO)-C6-C10 and Oil Range Organics (Over C28-C36) 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) recoveries for preparation batch 880-28906 and analytical batch 880-28973 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: WSW-5 (880-16516-41). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: The method blank for preparation batch 880-28839 and analytical batch 880-28950 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: (880-16516-A-21-B MS) and (880-16516-A-21-C MSD). Evidence of matrix interferences is not obvious.

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

**HPLC/IC**

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: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: S-3A

Lab Sample ID: 880-16516-1

Date Collected: 06/30/22 11:48

Matrix: Solid

Date Received: 07/01/22 08:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000386	U F1 F2	0.00200	0.000386	mg/Kg		07/01/22 12:23	07/02/22 10:25	1
Toluene	<0.000457	U F1	0.00200	0.000457	mg/Kg		07/01/22 12:23	07/02/22 10:25	1
Ethylbenzene	<0.000566	U F1	0.00200	0.000566	mg/Kg		07/01/22 12:23	07/02/22 10:25	1
m-Xylene & p-Xylene	<0.00101	U F1	0.00401	0.00101	mg/Kg		07/01/22 12:23	07/02/22 10:25	1
o-Xylene	<0.000345	U	0.00200	0.000345	mg/Kg		07/01/22 12:23	07/02/22 10:25	1
Xylenes, Total	<0.00101	U F1	0.00401	0.00101	mg/Kg		07/01/22 12:23	07/02/22 10:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	07/01/22 12:23	07/02/22 10:25	1
1,4-Difluorobenzene (Surr)	95		70 - 130	07/01/22 12:23	07/02/22 10:25	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00401	0.00101	mg/Kg			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	19.9	J	49.9	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U *1	49.9	15.0	mg/Kg		07/01/22 11:24	07/03/22 23:06	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		07/01/22 11:24	07/03/22 23:06	1
Oil Range Organics (Over C28-C36)	19.9	J B	49.9	15.0	mg/Kg		07/01/22 11:24	07/03/22 23:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	07/01/22 11:24	07/03/22 23:06	1
o-Terphenyl	104		70 - 130	07/01/22 11:24	07/03/22 23:06	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.8		5.04	0.865	mg/Kg			07/02/22 20:25	1

Client Sample ID: S-4A

Lab Sample ID: 880-16516-2

Date Collected: 06/30/22 11:44

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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		07/01/22 12:23	07/02/22 10:46	1
Toluene	0.000473	J	0.00201	0.000458	mg/Kg		07/01/22 12:23	07/02/22 10:46	1
Ethylbenzene	<0.000567	U	0.00201	0.000567	mg/Kg		07/01/22 12:23	07/02/22 10:46	1
m-Xylene & p-Xylene	0.00117	J	0.00402	0.00101	mg/Kg		07/01/22 12:23	07/02/22 10:46	1
o-Xylene	0.000446	J	0.00201	0.000345	mg/Kg		07/01/22 12:23	07/02/22 10:46	1
Xylenes, Total	0.00162	J	0.00402	0.00101	mg/Kg		07/01/22 12:23	07/02/22 10:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	07/01/22 12:23	07/02/22 10:46	1
1,4-Difluorobenzene (Surr)	89		70 - 130	07/01/22 12:23	07/02/22 10:46	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: S-4A

Lab Sample ID: 880-16516-2

Date Collected: 06/30/22 11:44

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00209	J	0.00402	0.00101	mg/Kg			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	132		50.0	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	18.7	J *1	50.0	15.0	mg/Kg		07/01/22 11:24	07/04/22 00:09	1
Diesel Range Organics (Over C10-C28)	74.8		50.0	15.0	mg/Kg		07/01/22 11:24	07/04/22 00:09	1
Oil Range Organics (Over C28-C36)	38.9	J B	50.0	15.0	mg/Kg		07/01/22 11:24	07/04/22 00:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				07/01/22 11:24	07/04/22 00:09	1
o-Terphenyl	94		70 - 130				07/01/22 11:24	07/04/22 00:09	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	583		4.99	0.857	mg/Kg			07/02/22 20:52	1

Client Sample ID: S-6A

Lab Sample ID: 880-16516-3

Date Collected: 06/30/22 11:40

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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		07/01/22 12:23	07/02/22 11:06	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		07/01/22 12:23	07/02/22 11:06	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		07/01/22 12:23	07/02/22 11:06	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		07/01/22 12:23	07/02/22 11:06	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		07/01/22 12:23	07/02/22 11:06	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		07/01/22 12:23	07/02/22 11:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				07/01/22 12:23	07/02/22 11:06	1
1,4-Difluorobenzene (Surr)	93		70 - 130				07/01/22 12:23	07/02/22 11:06	1

## Method: 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			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	43.1	J	49.9	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	19.6	J *1	49.9	15.0	mg/Kg		07/01/22 11:24	07/04/22 00:29	1

Eurofins Midland



## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: S-6A

Lab Sample ID: 880-16516-3

Date Collected: 06/30/22 11:40

Matrix: Solid

Date Received: 07/01/22 08:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		07/01/22 11:24	07/04/22 00:29	1
Oil Range Organics (Over C28-C36)	23.5	J B	49.9	15.0	mg/Kg		07/01/22 11:24	07/04/22 00:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				07/01/22 11:24	07/04/22 00:29	1
o-Terphenyl	92		70 - 130				07/01/22 11:24	07/04/22 00:29	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	106		5.00	0.858	mg/Kg			07/02/22 21:01	1

Client Sample ID: S-7A

Lab Sample ID: 880-16516-4

Date Collected: 06/30/22 11:38

Matrix: Solid

Date Received: 07/01/22 08:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000414	J	0.00199	0.000383	mg/Kg		07/01/22 12:23	07/02/22 11:27	1
Toluene	0.000835	J	0.00199	0.000453	mg/Kg		07/01/22 12:23	07/02/22 11:27	1
Ethylbenzene	0.00131	J	0.00199	0.000562	mg/Kg		07/01/22 12:23	07/02/22 11:27	1
m-Xylene & p-Xylene	0.00210	J	0.00398	0.00100	mg/Kg		07/01/22 12:23	07/02/22 11:27	1
o-Xylene	0.00418		0.00199	0.000342	mg/Kg		07/01/22 12:23	07/02/22 11:27	1
Xylenes, Total	0.00628		0.00398	0.00100	mg/Kg		07/01/22 12:23	07/02/22 11:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				07/01/22 12:23	07/02/22 11:27	1
1,4-Difluorobenzene (Surr)	102		70 - 130				07/01/22 12:23	07/02/22 11:27	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00884		0.00398	0.00100	mg/Kg			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	44.5	J	49.8	14.9	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.9	U *1	49.8	14.9	mg/Kg		07/01/22 11:24	07/04/22 00:49	1
Diesel Range Organics (Over C10-C28)	22.6	J	49.8	14.9	mg/Kg		07/01/22 11:24	07/04/22 00:49	1
Oil Range Organics (Over C28-C36)	21.9	J B	49.8	14.9	mg/Kg		07/01/22 11:24	07/04/22 00:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				07/01/22 11:24	07/04/22 00:49	1
o-Terphenyl	104		70 - 130				07/01/22 11:24	07/04/22 00:49	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

## Client Sample ID: S-7A

Lab Sample ID: 880-16516-4

Date Collected: 06/30/22 11:38

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		4.95	0.850	mg/Kg			07/02/22 21:11	1

## Client Sample ID: S-8A

Lab Sample ID: 880-16516-5

Date Collected: 06/30/22 11:35

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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		07/01/22 12:23	07/02/22 11:47	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		07/01/22 12:23	07/02/22 11:47	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		07/01/22 12:23	07/02/22 11:47	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		07/01/22 12:23	07/02/22 11:47	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		07/01/22 12:23	07/02/22 11:47	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		07/01/22 12:23	07/02/22 11:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				07/01/22 12:23	07/02/22 11:47	1
1,4-Difluorobenzene (Surr)	96		70 - 130				07/01/22 12:23	07/02/22 11:47	1

## Method: 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			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	46.8	J	50.0	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	25.0	J *1	50.0	15.0	mg/Kg		07/01/22 11:24	07/04/22 01:09	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		07/01/22 11:24	07/04/22 01:09	1
Oil Range Organics (Over C28-C36)	21.8	J B	50.0	15.0	mg/Kg		07/01/22 11:24	07/04/22 01:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				07/01/22 11:24	07/04/22 01:09	1
o-Terphenyl	91		70 - 130				07/01/22 11:24	07/04/22 01:09	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.3		4.99	0.857	mg/Kg			07/02/22 21:20	1

## Client Sample ID: S-11A

Lab Sample ID: 880-16516-6

Date Collected: 06/30/22 11:25

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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		07/01/22 12:23	07/02/22 12:08	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg		07/01/22 12:23	07/02/22 12:08	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		07/01/22 12:23	07/02/22 12:08	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: S-11A

Lab Sample ID: 880-16516-6

Date Collected: 06/30/22 11:25

Matrix: Solid

Date Received: 07/01/22 08:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg		07/01/22 12:23	07/02/22 12:08	1
<b>o-Xylene</b>	<b>0.000759</b>	<b>J</b>	0.00199	0.000343	mg/Kg		07/01/22 12:23	07/02/22 12:08	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		07/01/22 12:23	07/02/22 12:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				07/01/22 12:23	07/02/22 12:08	1
1,4-Difluorobenzene (Surr)	93		70 - 130				07/01/22 12:23	07/02/22 12:08	1

## Method: 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			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total TPH</b>	<b>40.2</b>	<b>J</b>	49.9	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Gasoline Range Organics (GRO)-C6-C10</b>	<b>19.0</b>	<b>J *1</b>	49.9	15.0	mg/Kg		07/01/22 11:24	07/04/22 01:30	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		07/01/22 11:24	07/04/22 01:30	1
<b>Oil Range Organics (Over C28-C36)</b>	<b>21.2</b>	<b>J B</b>	49.9	15.0	mg/Kg		07/01/22 11:24	07/04/22 01:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				07/01/22 11:24	07/04/22 01:30	1
o-Terphenyl	93		70 - 130				07/01/22 11:24	07/04/22 01:30	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>74.0</b>		4.96	0.851	mg/Kg			07/02/22 21:48	1

Client Sample ID: S-13A

Lab Sample ID: 880-16516-7

Date Collected: 06/30/22 11:20

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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		07/01/22 12:23	07/02/22 12:28	1
<b>Toluene</b>	<b>0.000519</b>	<b>J</b>	0.00200	0.000455	mg/Kg		07/01/22 12:23	07/02/22 12:28	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		07/01/22 12:23	07/02/22 12:28	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		07/01/22 12:23	07/02/22 12:28	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		07/01/22 12:23	07/02/22 12:28	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		07/01/22 12:23	07/02/22 12:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				07/01/22 12:23	07/02/22 12:28	1
1,4-Difluorobenzene (Surr)	91		70 - 130				07/01/22 12:23	07/02/22 12:28	1

## Method: 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			07/05/22 16:02	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: S-13A

Lab Sample ID: 880-16516-7

Date Collected: 06/30/22 11:20

Matrix: Solid

Date Received: 07/01/22 08:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	37.4	J	49.9	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	16.2	J *1	49.9	15.0	mg/Kg		07/01/22 11:24	07/04/22 01:49	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		07/01/22 11:24	07/04/22 01:49	1
Oil Range Organics (Over C28-C36)	21.2	J B	49.9	15.0	mg/Kg		07/01/22 11:24	07/04/22 01:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				07/01/22 11:24	07/04/22 01:49	1
o-Terphenyl	93		70 - 130				07/01/22 11:24	07/04/22 01:49	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.0		4.98	0.855	mg/Kg			07/02/22 21:57	1

Client Sample ID: S-14A

Lab Sample ID: 880-16516-8

Date Collected: 06/30/22 11:15

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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		07/01/22 12:23	07/02/22 12:49	1
Toluene	<0.000457	U	0.00200	0.000457	mg/Kg		07/01/22 12:23	07/02/22 12:49	1
Ethylbenzene	<0.000566	U	0.00200	0.000566	mg/Kg		07/01/22 12:23	07/02/22 12:49	1
m-Xylene & p-Xylene	<0.00101	U	0.00401	0.00101	mg/Kg		07/01/22 12:23	07/02/22 12:49	1
o-Xylene	<0.000345	U	0.00200	0.000345	mg/Kg		07/01/22 12:23	07/02/22 12:49	1
Xylenes, Total	<0.00101	U	0.00401	0.00101	mg/Kg		07/01/22 12:23	07/02/22 12:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				07/01/22 12:23	07/02/22 12:49	1
1,4-Difluorobenzene (Surr)	88		70 - 130				07/01/22 12:23	07/02/22 12:49	1

## Method: 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			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.2		50.0	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U *1	50.0	15.0	mg/Kg		07/01/22 11:24	07/04/22 02:10	1
Diesel Range Organics (Over C10-C28)	30.4	J	50.0	15.0	mg/Kg		07/01/22 11:24	07/04/22 02:10	1
Oil Range Organics (Over C28-C36)	21.8	J B	50.0	15.0	mg/Kg		07/01/22 11:24	07/04/22 02:10	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: S-14A

Lab Sample ID: 880-16516-8

Date Collected: 06/30/22 11:15

Matrix: Solid

Date Received: 07/01/22 08:12

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	07/01/22 11:24	07/04/22 02:10	1
o-Terphenyl	107		70 - 130	07/01/22 11:24	07/04/22 02:10	1

Method: 300.0 - Anions, Ion Chromatography - Soluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D
Chloride	118		5.04	0.865	mg/Kg	

Client Sample ID: S-15A

Lab Sample ID: 880-16516-9

Date Collected: 06/30/22 11:13

Matrix: Solid

Date Received: 07/01/22 08:12

Method: 8021B - Volatile Organic Compounds (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg	
Toluene	<0.000458	U	0.00201	0.000458	mg/Kg	
Ethylbenzene	<0.000567	U	0.00201	0.000567	mg/Kg	
m-Xylene & p-Xylene	<0.00101	U	0.00402	0.00101	mg/Kg	
o-Xylene	<0.000345	U	0.00201	0.000345	mg/Kg	
Xylenes, Total	<0.00101	U	0.00402	0.00101	mg/Kg	

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	07/01/22 12:23	07/02/22 13:09	1
1,4-Difluorobenzene (Surr)	93		70 - 130	07/01/22 12:23	07/02/22 13:09	1

Method: Total BTEX - Total BTEX Calculation						
Analyte	Result	Qualifier	RL	MDL	Unit	D
Total BTEX	<0.00101	U	0.00402	0.00101	mg/Kg	

Method: 8015 NM - Diesel Range Organics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D
Total TPH	37.9	J	49.9	15.0	mg/Kg	

Method: 8015B NM - Diesel Range Organics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D
Gasoline Range Organics (GRO)-C6-C10	17.0	J *1	49.9	15.0	mg/Kg	
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg	
Oil Range Organics (Over C28-C36)	20.9	J B	49.9	15.0	mg/Kg	

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	07/01/22 11:24	07/04/22 02:30	1
o-Terphenyl	86		70 - 130	07/01/22 11:24	07/04/22 02:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D
Chloride	66.3		4.98	0.855	mg/Kg	

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: S-16A

Lab Sample ID: 880-16516-10

Date Collected: 06/30/22 11:10

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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		07/01/22 12:23	07/02/22 13:30	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		07/01/22 12:23	07/02/22 13:30	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		07/01/22 12:23	07/02/22 13:30	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		07/01/22 12:23	07/02/22 13:30	1
<b>o-Xylene</b>	<b>0.000466</b>	<b>J</b>	0.00200	0.000343	mg/Kg		07/01/22 12:23	07/02/22 13:30	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		07/01/22 12:23	07/02/22 13:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	07/01/22 12:23	07/02/22 13:30	1
1,4-Difluorobenzene (Surr)	91		70 - 130	07/01/22 12:23	07/02/22 13:30	1

## Method: 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			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total TPH</b>	<b>48.4</b>	<b>J</b>	49.9	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Gasoline Range Organics (GRO)-C6-C10</b>	<b>27.3</b>	<b>J *1</b>	49.9	15.0	mg/Kg		07/01/22 11:24	07/04/22 02:50	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		07/01/22 11:24	07/04/22 02:50	1
<b>Oil Range Organics (Over C28-C36)</b>	<b>21.1</b>	<b>J B</b>	49.9	15.0	mg/Kg		07/01/22 11:24	07/04/22 02:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	07/01/22 11:24	07/04/22 02:50	1
o-Terphenyl	104		70 - 130	07/01/22 11:24	07/04/22 02:50	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>29.4</b>		4.99	0.857	mg/Kg			07/02/22 22:24	1

Client Sample ID: S-17A

Lab Sample ID: 880-16516-11

Date Collected: 06/30/22 11:08

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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		07/01/22 12:23	07/02/22 14:52	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg		07/01/22 12:23	07/02/22 14:52	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		07/01/22 12:23	07/02/22 14:52	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100	mg/Kg		07/01/22 12:23	07/02/22 14:52	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		07/01/22 12:23	07/02/22 14:52	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		07/01/22 12:23	07/02/22 14:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	07/01/22 12:23	07/02/22 14:52	1
1,4-Difluorobenzene (Surr)	98		70 - 130	07/01/22 12:23	07/02/22 14:52	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: S-17A

Lab Sample ID: 880-16516-11

Date Collected: 06/30/22 11:08

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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			07/05/22 16:02	1

## Method: 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			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	21.4	J *1	50.0	15.0	mg/Kg		07/01/22 11:24	07/04/22 03:30	1
Diesel Range Organics (Over C10-C28)	19.9	J	50.0	15.0	mg/Kg		07/01/22 11:24	07/04/22 03:30	1
Oil Range Organics (Over C28-C36)	20.8	J B	50.0	15.0	mg/Kg		07/01/22 11:24	07/04/22 03:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				07/01/22 11:24	07/04/22 03:30	1
o-Terphenyl	91		70 - 130				07/01/22 11:24	07/04/22 03:30	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	115		5.00	0.858	mg/Kg			07/02/22 22:34	1

Client Sample ID: S-18A

Lab Sample ID: 880-16516-12

Date Collected: 06/30/22 11:03

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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		07/01/22 12:23	07/02/22 15:13	1
Toluene	<0.000459	U	0.00201	0.000459	mg/Kg		07/01/22 12:23	07/02/22 15:13	1
Ethylbenzene	<0.000568	U	0.00201	0.000568	mg/Kg		07/01/22 12:23	07/02/22 15:13	1
m-Xylene & p-Xylene	<0.00102	U	0.00402	0.00102	mg/Kg		07/01/22 12:23	07/02/22 15:13	1
o-Xylene	<0.000346	U	0.00201	0.000346	mg/Kg		07/01/22 12:23	07/02/22 15:13	1
Xylenes, Total	<0.00102	U	0.00402	0.00102	mg/Kg		07/01/22 12:23	07/02/22 15:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				07/01/22 12:23	07/02/22 15:13	1
1,4-Difluorobenzene (Surr)	98		70 - 130				07/01/22 12:23	07/02/22 15:13	1

## Method: 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			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	19.3	J	50.0	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U *1	50.0	15.0	mg/Kg		07/01/22 11:24	07/04/22 03:50	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: S-18A

Lab Sample ID: 880-16516-12

Date Collected: 06/30/22 11:03

Matrix: Solid

Date Received: 07/01/22 08:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		07/01/22 11:24	07/04/22 03:50	1
Oil Range Organics (Over C28-C36)	19.3	J B	50.0	15.0	mg/Kg		07/01/22 11:24	07/04/22 03:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				07/01/22 11:24	07/04/22 03:50	1
o-Terphenyl	97		70 - 130				07/01/22 11:24	07/04/22 03:50	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.0		5.01	0.860	mg/Kg			07/02/22 23:01	1

Client Sample ID: S-19A

Lab Sample ID: 880-16516-13

Date Collected: 06/30/22 13:08

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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		07/01/22 12:23	07/02/22 15:33	1
Toluene	<0.000461	U	0.00202	0.000461	mg/Kg		07/01/22 12:23	07/02/22 15:33	1
Ethylbenzene	<0.000571	U	0.00202	0.000571	mg/Kg		07/01/22 12:23	07/02/22 15:33	1
m-Xylene & p-Xylene	<0.00102	U	0.00404	0.00102	mg/Kg		07/01/22 12:23	07/02/22 15:33	1
o-Xylene	<0.000347	U	0.00202	0.000347	mg/Kg		07/01/22 12:23	07/02/22 15:33	1
Xylenes, Total	<0.00102	U	0.00404	0.00102	mg/Kg		07/01/22 12:23	07/02/22 15:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				07/01/22 12:23	07/02/22 15:33	1
1,4-Difluorobenzene (Surr)	97		70 - 130				07/01/22 12:23	07/02/22 15:33	1

## Method: 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			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	46.8	J	50.0	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	26.6	J *1	50.0	15.0	mg/Kg		07/01/22 11:24	07/04/22 04:10	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		07/01/22 11:24	07/04/22 04:10	1
Oil Range Organics (Over C28-C36)	20.2	J B	50.0	15.0	mg/Kg		07/01/22 11:24	07/04/22 04:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				07/01/22 11:24	07/04/22 04:10	1
o-Terphenyl	92		70 - 130				07/01/22 11:24	07/04/22 04:10	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: S-19A

Lab Sample ID: 880-16516-13

Date Collected: 06/30/22 13:08

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.03		4.97	0.853	mg/Kg			07/02/22 23:11	1

Client Sample ID: S-20A

Lab Sample ID: 880-16516-14

Date Collected: 06/30/22 13:05

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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		07/01/22 12:23	07/02/22 15:54	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		07/01/22 12:23	07/02/22 15:54	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		07/01/22 12:23	07/02/22 15:54	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		07/01/22 12:23	07/02/22 15:54	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		07/01/22 12:23	07/02/22 15:54	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		07/01/22 12:23	07/02/22 15:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	07/01/22 12:23	07/02/22 15:54	1
1,4-Difluorobenzene (Surr)	92		70 - 130	07/01/22 12:23	07/02/22 15:54	1

## Method: 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			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	42.3	J	50.0	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	22.6	J *1	50.0	15.0	mg/Kg		07/01/22 11:24	07/04/22 04:30	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		07/01/22 11:24	07/04/22 04:30	1
Oil Range Organics (Over C28-C36)	19.7	J B	50.0	15.0	mg/Kg		07/01/22 11:24	07/04/22 04:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	07/01/22 11:24	07/04/22 04:30	1
o-Terphenyl	85		70 - 130	07/01/22 11:24	07/04/22 04:30	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.6		4.98	0.855	mg/Kg			07/02/22 23:38	1

Client Sample ID: S-21A

Lab Sample ID: 880-16516-15

Date Collected: 06/30/22 13:02

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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		07/01/22 12:23	07/02/22 16:14	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg		07/01/22 12:23	07/02/22 16:14	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		07/01/22 12:23	07/02/22 16:14	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: S-21A

Lab Sample ID: 880-16516-15

Date Collected: 06/30/22 13:02

Matrix: Solid

Date Received: 07/01/22 08:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100	mg/Kg		07/01/22 12:23	07/02/22 16:14	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		07/01/22 12:23	07/02/22 16:14	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		07/01/22 12:23	07/02/22 16:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				07/01/22 12:23	07/02/22 16:14	1
1,4-Difluorobenzene (Surr)	94		70 - 130				07/01/22 12:23	07/02/22 16:14	1

## Method: 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			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	18.9	J	49.9	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U *1	49.9	15.0	mg/Kg		07/01/22 11:24	07/04/22 04:50	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		07/01/22 11:24	07/04/22 04:50	1
Oil Range Organics (Over C28-C36)	18.9	J B	49.9	15.0	mg/Kg		07/01/22 11:24	07/04/22 04:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				07/01/22 11:24	07/04/22 04:50	1
o-Terphenyl	87		70 - 130				07/01/22 11:24	07/04/22 04:50	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	201		4.95	0.850	mg/Kg			07/02/22 23:48	1

Client Sample ID: S-22A

Lab Sample ID: 880-16516-16

Date Collected: 06/30/22 13:00

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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		07/01/22 12:23	07/02/22 16:35	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		07/01/22 12:23	07/02/22 16:35	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		07/01/22 12:23	07/02/22 16:35	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		07/01/22 12:23	07/02/22 16:35	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		07/01/22 12:23	07/02/22 16:35	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		07/01/22 12:23	07/02/22 16:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				07/01/22 12:23	07/02/22 16:35	1
1,4-Difluorobenzene (Surr)	87		70 - 130				07/01/22 12:23	07/02/22 16:35	1

## Method: 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			07/05/22 16:02	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: S-22A

Lab Sample ID: 880-16516-16

Date Collected: 06/30/22 13:00

Matrix: Solid

Date Received: 07/01/22 08:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	39.1	J	50.0	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	20.6	J *1	50.0	15.0	mg/Kg		07/01/22 11:24	07/04/22 05:10	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		07/01/22 11:24	07/04/22 05:10	1
Oil Range Organics (Over C28-C36)	18.5	J B	50.0	15.0	mg/Kg		07/01/22 11:24	07/04/22 05:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				07/01/22 11:24	07/04/22 05:10	1
o-Terphenyl	83		70 - 130				07/01/22 11:24	07/04/22 05:10	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		4.95	0.850	mg/Kg			07/02/22 23:57	1

Client Sample ID: S-23A

Lab Sample ID: 880-16516-17

Date Collected: 06/30/22 12:58

Matrix: Solid

Date Received: 07/01/22 08:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000525	J	0.00198	0.000382	mg/Kg		07/01/22 12:23	07/02/22 16:55	1
Toluene	0.000667	J	0.00198	0.000452	mg/Kg		07/01/22 12:23	07/02/22 16:55	1
Ethylbenzene	0.00114	J	0.00198	0.000561	mg/Kg		07/01/22 12:23	07/02/22 16:55	1
m-Xylene & p-Xylene	0.00192	J	0.00397	0.00100	mg/Kg		07/01/22 12:23	07/02/22 16:55	1
o-Xylene	0.00306		0.00198	0.000341	mg/Kg		07/01/22 12:23	07/02/22 16:55	1
Xylenes, Total	0.00498		0.00397	0.00100	mg/Kg		07/01/22 12:23	07/02/22 16:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		70 - 130				07/01/22 12:23	07/02/22 16:55	1
1,4-Difluorobenzene (Surr)	12	S1-	70 - 130				07/01/22 12:23	07/02/22 16:55	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00731		0.00397	0.00100	mg/Kg			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	36.8	J	50.0	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	18.5	J *1	50.0	15.0	mg/Kg		07/01/22 11:24	07/04/22 05:31	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		07/01/22 11:24	07/04/22 05:31	1
Oil Range Organics (Over C28-C36)	18.3	J B	50.0	15.0	mg/Kg		07/01/22 11:24	07/04/22 05:31	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

## Client Sample ID: S-23A

Lab Sample ID: 880-16516-17

Date Collected: 06/30/22 12:58

Matrix: Solid

Date Received: 07/01/22 08:12

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	07/01/22 11:24	07/04/22 05:31	1
o-Terphenyl	91		70 - 130	07/01/22 11:24	07/04/22 05:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.4		4.95	0.850	mg/Kg			07/03/22 00:06	1

## Client Sample ID: S-24A

Lab Sample ID: 880-16516-18

Date Collected: 06/30/22 12:55

Matrix: Solid

Date Received: 07/01/22 08:12

Method: 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		07/01/22 12:23	07/02/22 17:16	1
<b>Toluene</b>	<b>0.000474</b>	<b>J</b>	0.00199	0.000454	mg/Kg		07/01/22 12:23	07/02/22 17:16	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		07/01/22 12:23	07/02/22 17:16	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg		07/01/22 12:23	07/02/22 17:16	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		07/01/22 12:23	07/02/22 17:16	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		07/01/22 12:23	07/02/22 17:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	07/01/22 12:23	07/02/22 17:16	1
1,4-Difluorobenzene (Surr)	96		70 - 130	07/01/22 12:23	07/02/22 17:16	1

## Method: 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			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total TPH</b>	<b>17.8</b>	<b>J</b>	50.0	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U *1	50.0	15.0	mg/Kg		07/01/22 11:24	07/04/22 05:51	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		07/01/22 11:24	07/04/22 05:51	1
<b>Oil Range Organics (Over C28-C36)</b>	<b>17.8</b>	<b>J B</b>	50.0	15.0	mg/Kg		07/01/22 11:24	07/04/22 05:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	07/01/22 11:24	07/04/22 05:51	1
o-Terphenyl	102		70 - 130	07/01/22 11:24	07/04/22 05:51	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	142		4.95	0.850	mg/Kg			07/03/22 00:15	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: S-25A

Lab Sample ID: 880-16516-19

Date Collected: 06/30/22 12:52

Matrix: Solid

Date Received: 07/01/22 08:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000389	J	0.00199	0.000383	mg/Kg		07/01/22 12:23	07/02/22 17:36	1
Toluene	0.00107	J	0.00199	0.000453	mg/Kg		07/01/22 12:23	07/02/22 17:36	1
Ethylbenzene	0.00157	J	0.00199	0.000562	mg/Kg		07/01/22 12:23	07/02/22 17:36	1
m-Xylene & p-Xylene	0.00130	J	0.00398	0.00100	mg/Kg		07/01/22 12:23	07/02/22 17:36	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		07/01/22 12:23	07/02/22 17:36	1
Xylenes, Total	0.00130	J	0.00398	0.00100	mg/Kg		07/01/22 12:23	07/02/22 17:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	58	S1-	70 - 130	07/01/22 12:23	07/02/22 17:36	1
1,4-Difluorobenzene (Surr)	92		70 - 130	07/01/22 12:23	07/02/22 17:36	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00433		0.00398	0.00100	mg/Kg			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	40.6	J	49.9	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	23.3	J *1	49.9	15.0	mg/Kg		07/01/22 11:24	07/04/22 06:12	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		07/01/22 11:24	07/04/22 06:12	1
Oil Range Organics (Over C28-C36)	17.3	J B	49.9	15.0	mg/Kg		07/01/22 11:24	07/04/22 06:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	07/01/22 11:24	07/04/22 06:12	1
o-Terphenyl	94		70 - 130	07/01/22 11:24	07/04/22 06:12	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.4		5.02	0.862	mg/Kg			07/03/22 00:24	1

Client Sample ID: S-26A

Lab Sample ID: 880-16516-20

Date Collected: 06/30/22 12:50

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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		07/01/22 12:23	07/02/22 17:57	1
Toluene	<0.000457	U	0.00200	0.000457	mg/Kg		07/01/22 12:23	07/02/22 17:57	1
Ethylbenzene	<0.000566	U	0.00200	0.000566	mg/Kg		07/01/22 12:23	07/02/22 17:57	1
m-Xylene & p-Xylene	<0.00101	U	0.00401	0.00101	mg/Kg		07/01/22 12:23	07/02/22 17:57	1
o-Xylene	<0.000345	U	0.00200	0.000345	mg/Kg		07/01/22 12:23	07/02/22 17:57	1
Xylenes, Total	<0.00101	U	0.00401	0.00101	mg/Kg		07/01/22 12:23	07/02/22 17:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	07/01/22 12:23	07/02/22 17:57	1
1,4-Difluorobenzene (Surr)	79		70 - 130	07/01/22 12:23	07/02/22 17:57	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: S-26A

Lab Sample ID: 880-16516-20

Date Collected: 06/30/22 12:50

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	40.0	J	50.0	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	21.8	J *1	50.0	15.0	mg/Kg		07/01/22 11:24	07/04/22 06:32	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		07/01/22 11:24	07/04/22 06:32	1
Oil Range Organics (Over C28-C36)	18.2	J B	50.0	15.0	mg/Kg		07/01/22 11:24	07/04/22 06:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				07/01/22 11:24	07/04/22 06:32	1
o-Terphenyl	97		70 - 130				07/01/22 11:24	07/04/22 06:32	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.1		5.00	0.858	mg/Kg			07/03/22 00:34	1

Client Sample ID: S-27A

Lab Sample ID: 880-16516-21

Date Collected: 06/30/22 13:35

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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		07/01/22 12:27	07/04/22 16:41	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		07/01/22 12:27	07/04/22 16:41	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		07/01/22 12:27	07/04/22 16:41	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		07/01/22 12:27	07/04/22 16:41	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		07/01/22 12:27	07/04/22 16:41	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		07/01/22 12:27	07/04/22 16:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				07/01/22 12:27	07/04/22 16:41	1
1,4-Difluorobenzene (Surr)	98		70 - 130				07/01/22 12:27	07/04/22 16:41	1

## Method: 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			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	53.2		49.9	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	27.7	J B	49.9	15.0	mg/Kg		07/01/22 11:27	07/03/22 23:06	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: S-27A

Lab Sample ID: 880-16516-21

Date Collected: 06/30/22 13:35

Matrix: Solid

Date Received: 07/01/22 08:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	25.5	J B	49.9	15.0	mg/Kg		07/01/22 11:27	07/03/22 23:06	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		07/01/22 11:27	07/03/22 23:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				07/01/22 11:27	07/03/22 23:06	1
o-Terphenyl	99		70 - 130				07/01/22 11:27	07/03/22 23:06	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		4.96	0.851	mg/Kg			07/03/22 07:10	1

Client Sample ID: S-28A

Lab Sample ID: 880-16516-22

Date Collected: 06/30/22 13:38

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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		07/01/22 12:27	07/04/22 17:02	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg		07/01/22 12:27	07/04/22 17:02	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		07/01/22 12:27	07/04/22 17:02	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg		07/01/22 12:27	07/04/22 17:02	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		07/01/22 12:27	07/04/22 17:02	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		07/01/22 12:27	07/04/22 17:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				07/01/22 12:27	07/04/22 17:02	1
1,4-Difluorobenzene (Surr)	100		70 - 130				07/01/22 12:27	07/04/22 17:02	1

## Method: 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			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	47.5	J	50.0	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	26.6	J B	50.0	15.0	mg/Kg		07/01/22 11:27	07/04/22 00:09	1
Diesel Range Organics (Over C10-C28)	20.9	J B	50.0	15.0	mg/Kg		07/01/22 11:27	07/04/22 00:09	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		07/01/22 11:27	07/04/22 00:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				07/01/22 11:27	07/04/22 00:09	1
o-Terphenyl	104		70 - 130				07/01/22 11:27	07/04/22 00:09	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	336		5.00	0.858	mg/Kg			07/03/22 07:38	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: S-29A

Lab Sample ID: 880-16516-23

Date Collected: 06/30/22 13:40

Matrix: Solid

Date Received: 07/01/22 08:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000522	J	0.00200	0.000385	mg/Kg		07/01/22 12:27	07/04/22 17:22	1
Toluene	0.00117	J	0.00200	0.000456	mg/Kg		07/01/22 12:27	07/04/22 17:22	1
Ethylbenzene	0.00138	J	0.00200	0.000565	mg/Kg		07/01/22 12:27	07/04/22 17:22	1
m-Xylene & p-Xylene	0.00229	J	0.00400	0.00101	mg/Kg		07/01/22 12:27	07/04/22 17:22	1
o-Xylene	0.00206		0.00200	0.000344	mg/Kg		07/01/22 12:27	07/04/22 17:22	1
Xylenes, Total	0.00435		0.00400	0.00101	mg/Kg		07/01/22 12:27	07/04/22 17:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	07/01/22 12:27	07/04/22 17:22	1
1,4-Difluorobenzene (Surr)	100		70 - 130	07/01/22 12:27	07/04/22 17:22	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00742		0.00400	0.00101	mg/Kg			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	51.8		49.9	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	27.4	J B	49.9	15.0	mg/Kg		07/01/22 11:27	07/04/22 00:29	1
Diesel Range Organics (Over C10-C28)	24.4	J B	49.9	15.0	mg/Kg		07/01/22 11:27	07/04/22 00:29	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		07/01/22 11:27	07/04/22 00:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	07/01/22 11:27	07/04/22 00:29	1
o-Terphenyl	107		70 - 130	07/01/22 11:27	07/04/22 00:29	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.4		4.97	0.853	mg/Kg			07/03/22 07:47	1

Client Sample ID: S-30A

Lab Sample ID: 880-16516-24

Date Collected: 06/30/22 13:42

Matrix: Solid

Date Received: 07/01/22 08:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000388	U	0.00202	0.000388	mg/Kg		07/01/22 12:27	07/04/22 17:43	1
Toluene	<0.000460	U	0.00202	0.000460	mg/Kg		07/01/22 12:27	07/04/22 17:43	1
Ethylbenzene	<0.000570	U	0.00202	0.000570	mg/Kg		07/01/22 12:27	07/04/22 17:43	1
m-Xylene & p-Xylene	<0.00102	U	0.00403	0.00102	mg/Kg		07/01/22 12:27	07/04/22 17:43	1
o-Xylene	<0.000347	U	0.00202	0.000347	mg/Kg		07/01/22 12:27	07/04/22 17:43	1
Xylenes, Total	<0.00102	U	0.00403	0.00102	mg/Kg		07/01/22 12:27	07/04/22 17:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	07/01/22 12:27	07/04/22 17:43	1
1,4-Difluorobenzene (Surr)	98		70 - 130	07/01/22 12:27	07/04/22 17:43	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: S-30A

Lab Sample ID: 880-16516-24

Date Collected: 06/30/22 13:42

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00403	0.00102	mg/Kg			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	51.4		49.8	14.9	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	25.7	J B	49.8	14.9	mg/Kg		07/01/22 11:27	07/04/22 00:49	1
Diesel Range Organics (Over C10-C28)	25.7	J B	49.8	14.9	mg/Kg		07/01/22 11:27	07/04/22 00:49	1
OII Range Organics (Over C28-C36)	<14.9	U	49.8	14.9	mg/Kg		07/01/22 11:27	07/04/22 00:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				07/01/22 11:27	07/04/22 00:49	1
o-Terphenyl	108		70 - 130				07/01/22 11:27	07/04/22 00:49	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		5.00	0.858	mg/Kg			07/03/22 07:56	1

Client Sample ID: S-31A

Lab Sample ID: 880-16516-25

Date Collected: 06/30/22 13:46

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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		07/01/22 12:27	07/04/22 18:03	1
Toluene	<0.000459	U	0.00201	0.000459	mg/Kg		07/01/22 12:27	07/04/22 18:03	1
Ethylbenzene	<0.000568	U	0.00201	0.000568	mg/Kg		07/01/22 12:27	07/04/22 18:03	1
m-Xylene & p-Xylene	<0.00102	U	0.00402	0.00102	mg/Kg		07/01/22 12:27	07/04/22 18:03	1
o-Xylene	<0.000346	U	0.00201	0.000346	mg/Kg		07/01/22 12:27	07/04/22 18:03	1
Xylenes, Total	<0.00102	U	0.00402	0.00102	mg/Kg		07/01/22 12:27	07/04/22 18:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				07/01/22 12:27	07/04/22 18:03	1
1,4-Difluorobenzene (Surr)	92		70 - 130				07/01/22 12:27	07/04/22 18:03	1

## Method: 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			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	51.8		50.0	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	29.6	J B	50.0	15.0	mg/Kg		07/01/22 11:27	07/04/22 01:09	1
Diesel Range Organics (Over C10-C28)	22.2	J B	50.0	15.0	mg/Kg		07/01/22 11:27	07/04/22 01:09	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: S-31A

Lab Sample ID: 880-16516-25

Date Collected: 06/30/22 13:46

Matrix: Solid

Date Received: 07/01/22 08:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		07/01/22 11:27	07/04/22 01:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				07/01/22 11:27	07/04/22 01:09	1
o-Terphenyl	101		70 - 130				07/01/22 11:27	07/04/22 01:09	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	212		4.95	0.850	mg/Kg			07/03/22 08:05	1

Client Sample ID: S-32A

Lab Sample ID: 880-16516-26

Date Collected: 06/30/22 13:44

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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		07/01/22 12:27	07/04/22 18:24	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		07/01/22 12:27	07/04/22 18:24	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		07/01/22 12:27	07/04/22 18:24	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		07/01/22 12:27	07/04/22 18:24	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		07/01/22 12:27	07/04/22 18:24	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		07/01/22 12:27	07/04/22 18:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				07/01/22 12:27	07/04/22 18:24	1
1,4-Difluorobenzene (Surr)	98		70 - 130				07/01/22 12:27	07/04/22 18:24	1

## Method: 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			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	22.8	J	49.9	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	22.8	J B	49.9	15.0	mg/Kg		07/01/22 11:27	07/04/22 01:30	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		07/01/22 11:27	07/04/22 01:30	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		07/01/22 11:27	07/04/22 01:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				07/01/22 11:27	07/04/22 01:30	1
o-Terphenyl	101		70 - 130				07/01/22 11:27	07/04/22 01:30	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	116		5.04	0.865	mg/Kg			07/03/22 08:33	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: NSW-2

Lab Sample ID: 880-16516-27

Date Collected: 06/30/22 13:10

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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		07/01/22 12:27	07/04/22 18:44	1
Toluene	<0.000451	U	0.00198	0.000451	mg/Kg		07/01/22 12:27	07/04/22 18:44	1
Ethylbenzene	<0.000559	U	0.00198	0.000559	mg/Kg		07/01/22 12:27	07/04/22 18:44	1
m-Xylene & p-Xylene	<0.00100	U	0.00396	0.00100	mg/Kg		07/01/22 12:27	07/04/22 18:44	1
o-Xylene	<0.000341	U	0.00198	0.000341	mg/Kg		07/01/22 12:27	07/04/22 18:44	1
Xylenes, Total	<0.00100	U	0.00396	0.00100	mg/Kg		07/01/22 12:27	07/04/22 18:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	07/01/22 12:27	07/04/22 18:44	1
1,4-Difluorobenzene (Surr)	95		70 - 130	07/01/22 12:27	07/04/22 18:44	1

## Method: 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			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	49.4	J	49.9	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	27.6	J B	49.9	15.0	mg/Kg		07/01/22 11:27	07/04/22 01:49	1
Diesel Range Organics (Over C10-C28)	21.8	J B	49.9	15.0	mg/Kg		07/01/22 11:27	07/04/22 01:49	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		07/01/22 11:27	07/04/22 01:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	07/01/22 11:27	07/04/22 01:49	1
o-Terphenyl	96		70 - 130	07/01/22 11:27	07/04/22 01:49	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.3		4.99	0.857	mg/Kg			07/03/22 08:42	1

Client Sample ID: NSW-3

Lab Sample ID: 880-16516-28

Date Collected: 06/30/22 13:52

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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		07/01/22 12:27	07/04/22 19:05	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg		07/01/22 12:27	07/04/22 19:05	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		07/01/22 12:27	07/04/22 19:05	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100	mg/Kg		07/01/22 12:27	07/04/22 19:05	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		07/01/22 12:27	07/04/22 19:05	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		07/01/22 12:27	07/04/22 19:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	07/01/22 12:27	07/04/22 19:05	1
1,4-Difluorobenzene (Surr)	98		70 - 130	07/01/22 12:27	07/04/22 19:05	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: NSW-3

Lab Sample ID: 880-16516-28

Date Collected: 06/30/22 13:52

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	49.8	J	50.0	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	28.7	J B	50.0	15.0	mg/Kg		07/01/22 11:27	07/04/22 02:10	1
Diesel Range Organics (Over C10-C28)	21.1	J B	50.0	15.0	mg/Kg		07/01/22 11:27	07/04/22 02:10	1
OII Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		07/01/22 11:27	07/04/22 02:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				07/01/22 11:27	07/04/22 02:10	1
o-Terphenyl	96		70 - 130				07/01/22 11:27	07/04/22 02:10	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.0		5.00	0.858	mg/Kg			07/03/22 08:52	1

Client Sample ID: ESW-1

Lab Sample ID: 880-16516-29

Date Collected: 06/30/22 12:15

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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		07/01/22 12:27	07/04/22 19:25	1
Toluene	<0.000457	U	0.00200	0.000457	mg/Kg		07/01/22 12:27	07/04/22 19:25	1
Ethylbenzene	<0.000566	U	0.00200	0.000566	mg/Kg		07/01/22 12:27	07/04/22 19:25	1
m-Xylene & p-Xylene	<0.00101	U	0.00401	0.00101	mg/Kg		07/01/22 12:27	07/04/22 19:25	1
o-Xylene	<0.000345	U	0.00200	0.000345	mg/Kg		07/01/22 12:27	07/04/22 19:25	1
Xylenes, Total	<0.00101	U	0.00401	0.00101	mg/Kg		07/01/22 12:27	07/04/22 19:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				07/01/22 12:27	07/04/22 19:25	1
1,4-Difluorobenzene (Surr)	93		70 - 130				07/01/22 12:27	07/04/22 19:25	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00401	0.00101	mg/Kg			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	55.7		49.9	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	27.5	J B	49.9	15.0	mg/Kg		07/01/22 11:27	07/04/22 02:30	1
Diesel Range Organics (Over C10-C28)	28.2	J B	49.9	15.0	mg/Kg		07/01/22 11:27	07/04/22 02:30	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: ESW-1

Lab Sample ID: 880-16516-29

Date Collected: 06/30/22 12:15

Matrix: Solid

Date Received: 07/01/22 08:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		07/01/22 11:27	07/04/22 02:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				07/01/22 11:27	07/04/22 02:30	1
o-Terphenyl	95		70 - 130				07/01/22 11:27	07/04/22 02:30	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.1		4.98	0.855	mg/Kg			07/03/22 09:01	1

Client Sample ID: ESW-2

Lab Sample ID: 880-16516-30

Date Collected: 06/30/22 12:20

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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		07/01/22 12:27	07/04/22 19:46	1
Toluene	<0.000458	U	0.00201	0.000458	mg/Kg		07/01/22 12:27	07/04/22 19:46	1
Ethylbenzene	<0.000567	U	0.00201	0.000567	mg/Kg		07/01/22 12:27	07/04/22 19:46	1
m-Xylene & p-Xylene	0.00645		0.00402	0.00101	mg/Kg		07/01/22 12:27	07/04/22 19:46	1
o-Xylene	<0.000345	U	0.00201	0.000345	mg/Kg		07/01/22 12:27	07/04/22 19:46	1
Xylenes, Total	0.00645		0.00402	0.00101	mg/Kg		07/01/22 12:27	07/04/22 19:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	271	S1+	70 - 130				07/01/22 12:27	07/04/22 19:46	1
1,4-Difluorobenzene (Surr)	251	S1+	70 - 130				07/01/22 12:27	07/04/22 19:46	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00645		0.00402	0.00101	mg/Kg			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1470		49.9	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	25.2	J B	49.9	15.0	mg/Kg		07/01/22 11:27	07/04/22 02:50	1
Diesel Range Organics (Over C10-C28)	1440	B	49.9	15.0	mg/Kg		07/01/22 11:27	07/04/22 02:50	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		07/01/22 11:27	07/04/22 02:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				07/01/22 11:27	07/04/22 02:50	1
o-Terphenyl	106		70 - 130				07/01/22 11:27	07/04/22 02:50	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	662		4.99	0.857	mg/Kg			07/03/22 09:10	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: ESW-3

Lab Sample ID: 880-16516-31

Date Collected: 06/30/22 13:12

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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		07/01/22 12:27	07/04/22 21:08	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		07/01/22 12:27	07/04/22 21:08	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		07/01/22 12:27	07/04/22 21:08	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		07/01/22 12:27	07/04/22 21:08	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		07/01/22 12:27	07/04/22 21:08	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		07/01/22 12:27	07/04/22 21:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	07/01/22 12:27	07/04/22 21:08	1
1,4-Difluorobenzene (Surr)	97		70 - 130	07/01/22 12:27	07/04/22 21:08	1

## Method: 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			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	50.5		49.9	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	16.0	J B	49.9	15.0	mg/Kg		07/01/22 11:27	07/04/22 03:30	1
Diesel Range Organics (Over C10-C28)	34.5	J B	49.9	15.0	mg/Kg		07/01/22 11:27	07/04/22 03:30	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		07/01/22 11:27	07/04/22 03:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	07/01/22 11:27	07/04/22 03:30	1
o-Terphenyl	99		70 - 130	07/01/22 11:27	07/04/22 03:30	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.4		4.96	0.851	mg/Kg			07/03/22 09:19	1

Client Sample ID: ESW-4

Lab Sample ID: 880-16516-32

Date Collected: 06/30/22 13:14

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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		07/01/22 12:27	07/04/22 21:29	1
Toluene	<0.000461	U	0.00202	0.000461	mg/Kg		07/01/22 12:27	07/04/22 21:29	1
Ethylbenzene	<0.000571	U	0.00202	0.000571	mg/Kg		07/01/22 12:27	07/04/22 21:29	1
m-Xylene & p-Xylene	<0.00102	U	0.00404	0.00102	mg/Kg		07/01/22 12:27	07/04/22 21:29	1
o-Xylene	<0.000347	U	0.00202	0.000347	mg/Kg		07/01/22 12:27	07/04/22 21:29	1
Xylenes, Total	<0.00102	U	0.00404	0.00102	mg/Kg		07/01/22 12:27	07/04/22 21:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	07/01/22 12:27	07/04/22 21:29	1
1,4-Difluorobenzene (Surr)	96		70 - 130	07/01/22 12:27	07/04/22 21:29	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: ESW-4

Lab Sample ID: 880-16516-32

Date Collected: 06/30/22 13:14

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	49.5	J	49.9	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	19.8	J B	49.9	15.0	mg/Kg		07/01/22 11:27	07/04/22 03:50	1
Diesel Range Organics (Over C10-C28)	29.7	J B	49.9	15.0	mg/Kg		07/01/22 11:27	07/04/22 03:50	1
OII Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		07/01/22 11:27	07/04/22 03:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				07/01/22 11:27	07/04/22 03:50	1
o-Terphenyl	106		70 - 130				07/01/22 11:27	07/04/22 03:50	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.7		5.00	0.858	mg/Kg			07/03/22 09:47	1

Client Sample ID: ESW-5

Lab Sample ID: 880-16516-33

Date Collected: 06/30/22 13:55

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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		07/01/22 12:27	07/04/22 21:49	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		07/01/22 12:27	07/04/22 21:49	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		07/01/22 12:27	07/04/22 21:49	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		07/01/22 12:27	07/04/22 21:49	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		07/01/22 12:27	07/04/22 21:49	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		07/01/22 12:27	07/04/22 21:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				07/01/22 12:27	07/04/22 21:49	1
1,4-Difluorobenzene (Surr)	98		70 - 130				07/01/22 12:27	07/04/22 21:49	1

## Method: 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			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	54.2		50.0	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	29.6	J B	50.0	15.0	mg/Kg		07/01/22 11:27	07/04/22 04:10	1
Diesel Range Organics (Over C10-C28)	24.6	J B	50.0	15.0	mg/Kg		07/01/22 11:27	07/04/22 04:10	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: ESW-5

Lab Sample ID: 880-16516-33

Date Collected: 06/30/22 13:55

Matrix: Solid

Date Received: 07/01/22 08:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		07/01/22 11:27	07/04/22 04:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				07/01/22 11:27	07/04/22 04:10	1
o-Terphenyl	104		70 - 130				07/01/22 11:27	07/04/22 04:10	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	305		5.05	0.867	mg/Kg			07/03/22 09:56	1

Client Sample ID: SSW-1

Lab Sample ID: 880-16516-34

Date Collected: 06/30/22 12:35

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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		07/01/22 12:27	07/04/22 22:10	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg		07/01/22 12:27	07/04/22 22:10	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		07/01/22 12:27	07/04/22 22:10	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100	mg/Kg		07/01/22 12:27	07/04/22 22:10	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		07/01/22 12:27	07/04/22 22:10	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		07/01/22 12:27	07/04/22 22:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				07/01/22 12:27	07/04/22 22:10	1
1,4-Difluorobenzene (Surr)	95		70 - 130				07/01/22 12:27	07/04/22 22:10	1

## Method: 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			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	61.6		50.0	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	32.0	J B	50.0	15.0	mg/Kg		07/01/22 11:27	07/04/22 04:30	1
Diesel Range Organics (Over C10-C28)	29.6	J B	50.0	15.0	mg/Kg		07/01/22 11:27	07/04/22 04:30	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		07/01/22 11:27	07/04/22 04:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				07/01/22 11:27	07/04/22 04:30	1
o-Terphenyl	100		70 - 130				07/01/22 11:27	07/04/22 04:30	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	173		4.97	0.853	mg/Kg			07/03/22 10:24	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: SSW-2

Lab Sample ID: 880-16516-35

Date Collected: 06/30/22 13:16

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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		07/01/22 12:27	07/04/22 22:31	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		07/01/22 12:27	07/04/22 22:31	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		07/01/22 12:27	07/04/22 22:31	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		07/01/22 12:27	07/04/22 22:31	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		07/01/22 12:27	07/04/22 22:31	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		07/01/22 12:27	07/04/22 22:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	07/01/22 12:27	07/04/22 22:31	1
1,4-Difluorobenzene (Surr)	94		70 - 130	07/01/22 12:27	07/04/22 22:31	1

## Method: 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			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	58.4		49.9	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	31.3	J B	49.9	15.0	mg/Kg		07/01/22 11:27	07/04/22 04:50	1
Diesel Range Organics (Over C10-C28)	27.1	J B	49.9	15.0	mg/Kg		07/01/22 11:27	07/04/22 04:50	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		07/01/22 11:27	07/04/22 04:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	07/01/22 11:27	07/04/22 04:50	1
o-Terphenyl	97		70 - 130	07/01/22 11:27	07/04/22 04:50	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.11		4.96	0.851	mg/Kg			07/03/22 10:33	1

Client Sample ID: SSW-3

Lab Sample ID: 880-16516-36

Date Collected: 06/30/22 13:48

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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		07/01/22 12:27	07/04/22 22:51	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg		07/01/22 12:27	07/04/22 22:51	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		07/01/22 12:27	07/04/22 22:51	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg		07/01/22 12:27	07/04/22 22:51	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		07/01/22 12:27	07/04/22 22:51	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		07/01/22 12:27	07/04/22 22:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	07/01/22 12:27	07/04/22 22:51	1
1,4-Difluorobenzene (Surr)	93		70 - 130	07/01/22 12:27	07/04/22 22:51	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: SSW-3

Lab Sample ID: 880-16516-36

Date Collected: 06/30/22 13:48

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	58.1		50.0	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	33.7	J B	50.0	15.0	mg/Kg		07/01/22 11:27	07/04/22 05:10	1
Diesel Range Organics (Over C10-C28)	24.4	J B	50.0	15.0	mg/Kg		07/01/22 11:27	07/04/22 05:10	1
OII Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		07/01/22 11:27	07/04/22 05:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				07/01/22 11:27	07/04/22 05:10	1
o-Terphenyl	99		70 - 130				07/01/22 11:27	07/04/22 05:10	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.3		5.00	0.858	mg/Kg			07/03/22 10:42	1

Client Sample ID: WSW-1

Lab Sample ID: 880-16516-37

Date Collected: 06/30/22 12:25

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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		07/01/22 12:27	07/04/22 23:12	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg		07/01/22 12:27	07/04/22 23:12	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		07/01/22 12:27	07/04/22 23:12	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100	mg/Kg		07/01/22 12:27	07/04/22 23:12	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		07/01/22 12:27	07/04/22 23:12	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		07/01/22 12:27	07/04/22 23:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				07/01/22 12:27	07/04/22 23:12	1
1,4-Difluorobenzene (Surr)	95		70 - 130				07/01/22 12:27	07/04/22 23:12	1

## Method: 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			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	60.9		50.0	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	31.7	J B	50.0	15.0	mg/Kg		07/01/22 11:27	07/04/22 05:31	1
Diesel Range Organics (Over C10-C28)	29.2	J B	50.0	15.0	mg/Kg		07/01/22 11:27	07/04/22 05:31	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: WSW-1

Lab Sample ID: 880-16516-37

Date Collected: 06/30/22 12:25

Matrix: Solid

Date Received: 07/01/22 08:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		07/01/22 11:27	07/04/22 05:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				07/01/22 11:27	07/04/22 05:31	1
o-Terphenyl	103		70 - 130				07/01/22 11:27	07/04/22 05:31	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.2		4.98	0.855	mg/Kg			07/03/22 10:51	1

Client Sample ID: WSW-2

Lab Sample ID: 880-16516-38

Date Collected: 06/30/22 12:30

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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		07/01/22 12:27	07/04/22 23:32	1
Toluene	<0.000457	U	0.00200	0.000457	mg/Kg		07/01/22 12:27	07/04/22 23:32	1
Ethylbenzene	<0.000566	U	0.00200	0.000566	mg/Kg		07/01/22 12:27	07/04/22 23:32	1
m-Xylene & p-Xylene	<0.00101	U	0.00401	0.00101	mg/Kg		07/01/22 12:27	07/04/22 23:32	1
o-Xylene	<0.000345	U	0.00200	0.000345	mg/Kg		07/01/22 12:27	07/04/22 23:32	1
Xylenes, Total	<0.00101	U	0.00401	0.00101	mg/Kg		07/01/22 12:27	07/04/22 23:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				07/01/22 12:27	07/04/22 23:32	1
1,4-Difluorobenzene (Surr)	93		70 - 130				07/01/22 12:27	07/04/22 23:32	1

## Method: 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			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	50.5		49.9	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	27.2	J B	49.9	15.0	mg/Kg		07/01/22 11:27	07/04/22 05:51	1
Diesel Range Organics (Over C10-C28)	23.3	J B	49.9	15.0	mg/Kg		07/01/22 11:27	07/04/22 05:51	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		07/01/22 11:27	07/04/22 05:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				07/01/22 11:27	07/04/22 05:51	1
o-Terphenyl	92		70 - 130				07/01/22 11:27	07/04/22 05:51	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	129		4.95	0.850	mg/Kg			07/03/22 11:01	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: WSW-3

Lab Sample ID: 880-16516-39

Date Collected: 06/30/22 12:32

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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		07/01/22 12:27	07/04/22 23:53	1
Toluene	<0.000461	U	0.00202	0.000461	mg/Kg		07/01/22 12:27	07/04/22 23:53	1
Ethylbenzene	<0.000571	U	0.00202	0.000571	mg/Kg		07/01/22 12:27	07/04/22 23:53	1
m-Xylene & p-Xylene	<0.00102	U	0.00404	0.00102	mg/Kg		07/01/22 12:27	07/04/22 23:53	1
o-Xylene	<0.000347	U	0.00202	0.000347	mg/Kg		07/01/22 12:27	07/04/22 23:53	1
Xylenes, Total	<0.00102	U	0.00404	0.00102	mg/Kg		07/01/22 12:27	07/04/22 23:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	07/01/22 12:27	07/04/22 23:53	1
1,4-Difluorobenzene (Surr)	92		70 - 130	07/01/22 12:27	07/04/22 23:53	1

## Method: 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			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	46.4	J	49.9	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	22.6	J B	49.9	15.0	mg/Kg		07/01/22 11:27	07/04/22 06:12	1
Diesel Range Organics (Over C10-C28)	23.8	J B	49.9	15.0	mg/Kg		07/01/22 11:27	07/04/22 06:12	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		07/01/22 11:27	07/04/22 06:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	07/01/22 11:27	07/04/22 06:12	1
o-Terphenyl	98		70 - 130	07/01/22 11:27	07/04/22 06:12	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.2		5.02	0.862	mg/Kg			07/03/22 11:10	1

Client Sample ID: WSW-4

Lab Sample ID: 880-16516-40

Date Collected: 06/30/22 13:18

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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		07/01/22 12:27	07/05/22 00:13	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		07/01/22 12:27	07/05/22 00:13	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		07/01/22 12:27	07/05/22 00:13	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		07/01/22 12:27	07/05/22 00:13	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		07/01/22 12:27	07/05/22 00:13	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		07/01/22 12:27	07/05/22 00:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	07/01/22 12:27	07/05/22 00:13	1
1,4-Difluorobenzene (Surr)	92		70 - 130	07/01/22 12:27	07/05/22 00:13	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: WSW-4

Lab Sample ID: 880-16516-40

Date Collected: 06/30/22 13:18

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	64.0		49.8	14.9	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	40.5	J B	49.8	14.9	mg/Kg		07/01/22 11:27	07/04/22 06:32	1
Diesel Range Organics (Over C10-C28)	23.5	J B	49.8	14.9	mg/Kg		07/01/22 11:27	07/04/22 06:32	1
Oil Range Organics (Over C28-C36)	<14.9	U	49.8	14.9	mg/Kg		07/01/22 11:27	07/04/22 06:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				07/01/22 11:27	07/04/22 06:32	1
o-Terphenyl	111		70 - 130				07/01/22 11:27	07/04/22 06:32	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	102		5.05	0.867	mg/Kg			07/03/22 11:19	1

Client Sample ID: WSW-5

Lab Sample ID: 880-16516-41

Date Collected: 06/30/22 13:20

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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		07/01/22 15:30	07/04/22 09:09	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg		07/01/22 15:30	07/04/22 09:09	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		07/01/22 15:30	07/04/22 09:09	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100	mg/Kg		07/01/22 15:30	07/04/22 09:09	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		07/01/22 15:30	07/04/22 09:09	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		07/01/22 15:30	07/04/22 09:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				07/01/22 15:30	07/04/22 09:09	1
1,4-Difluorobenzene (Surr)	92		70 - 130				07/01/22 15:30	07/04/22 09:09	1

## Method: 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			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	17.2	J	49.9	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U F2 F1	49.9	15.0	mg/Kg		07/01/22 16:31	07/04/22 12:18	1
Diesel Range Organics (Over C10-C28)	<15.0	U F1	49.9	15.0	mg/Kg		07/01/22 16:31	07/04/22 12:18	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: WSW-5

Lab Sample ID: 880-16516-41

Date Collected: 06/30/22 13:20

Matrix: Solid

Date Received: 07/01/22 08:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	17.2	J B	49.9	15.0	mg/Kg		07/01/22 16:31	07/04/22 12:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				07/01/22 16:31	07/04/22 12:18	1
o-Terphenyl	75		70 - 130				07/01/22 16:31	07/04/22 12:18	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.9		5.00	0.858	mg/Kg			07/03/22 02:15	1

Client Sample ID: WSW-6

Lab Sample ID: 880-16516-42

Date Collected: 06/30/22 13:50

Matrix: Solid

Date Received: 07/01/22 08:12

## Method: 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		07/01/22 15:30	07/04/22 10:32	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		07/01/22 15:30	07/04/22 10:32	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		07/01/22 15:30	07/04/22 10:32	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		07/01/22 15:30	07/04/22 10:32	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		07/01/22 15:30	07/04/22 10:32	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		07/01/22 15:30	07/04/22 10:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				07/01/22 15:30	07/04/22 10:32	1
1,4-Difluorobenzene (Surr)	97		70 - 130				07/01/22 15:30	07/04/22 10:32	1

## Method: 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			07/05/22 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	19.0	J	50.0	15.0	mg/Kg			07/05/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		07/01/22 16:31	07/04/22 13:25	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		07/01/22 16:31	07/04/22 13:25	1
Oil Range Organics (Over C28-C36)	19.0	J B	50.0	15.0	mg/Kg		07/01/22 16:31	07/04/22 13:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				07/01/22 16:31	07/04/22 13:25	1
o-Terphenyl	85		70 - 130				07/01/22 16:31	07/04/22 13:25	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.3		4.97	0.853	mg/Kg			07/03/22 02:24	1

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## Surrogate Summary

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-16516-1	S-3A	110	95
880-16516-1 MS	S-3A	108	100
880-16516-1 MSD	S-3A	119	92
880-16516-2	S-4A	95	89
880-16516-3	S-6A	110	93
880-16516-4	S-7A	109	102
880-16516-5	S-8A	114	96
880-16516-6	S-11A	101	93
880-16516-7	S-13A	96	91
880-16516-8	S-14A	96	88
880-16516-9	S-15A	107	93
880-16516-10	S-16A	90	91
880-16516-11	S-17A	108	98
880-16516-12	S-18A	114	98
880-16516-13	S-19A	110	97
880-16516-14	S-20A	113	92
880-16516-15	S-21A	109	94
880-16516-16	S-22A	105	87
880-16516-17	S-23A	72	12 S1-
880-16516-18	S-24A	83	96
880-16516-19	S-25A	58 S1-	92
880-16516-20	S-26A	107	79
880-16516-21	S-27A	109	98
880-16516-21 MS	S-27A	107	101
880-16516-21 MSD	S-27A	111	102
880-16516-22	S-28A	114	100
880-16516-23	S-29A	106	100
880-16516-24	S-30A	113	98
880-16516-25	S-31A	108	92
880-16516-26	S-32A	113	98
880-16516-27	NSW-2	109	95
880-16516-28	NSW-3	111	98
880-16516-29	ESW-1	109	93
880-16516-30	ESW-2	271 S1+	251 S1+
880-16516-31	ESW-3	110	97
880-16516-32	ESW-4	112	96
880-16516-33	ESW-5	110	98
880-16516-34	SSW-1	113	95
880-16516-35	SSW-2	111	94
880-16516-36	SSW-3	114	93
880-16516-37	WSW-1	112	95
880-16516-38	WSW-2	112	93
880-16516-39	WSW-3	113	92
880-16516-40	WSW-4	114	92
880-16516-41	WSW-5	109	92
880-16516-42	WSW-6	105	97
LCS 880-28850/1-A	Lab Control Sample	120	99
LCS 880-28852/1-A	Lab Control Sample	107	101
LCS 880-28855/1-A	Lab Control Sample	105	102

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## Surrogate Summary

Client: Talon/LPE

Job ID: 880-16516-1

Project/Site: Bellatrix 28 Fed 01H

SDG: Eddy Co NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
LCSD 880-28850/2-A	Lab Control Sample Dup	116	99
LCSD 880-28852/2-A	Lab Control Sample Dup	108	99
LCSD 880-28855/2-A	Lab Control Sample Dup	105	102
MB 880-28842/5-A	Method Blank	101	92
MB 880-28847/5-A	Method Blank	103	92
MB 880-28850/5-A	Method Blank	104	88
MB 880-28852/5-A	Method Blank	101	91
MB 880-28855/5-A	Method Blank	104	92
<b>Surrogate Legend</b>			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-16516-1	S-3A	96	104
880-16516-1 MS	S-3A	106	103
880-16516-1 MSD	S-3A	103	98
880-16516-2	S-4A	89	94
880-16516-3	S-6A	85	92
880-16516-4	S-7A	96	104
880-16516-5	S-8A	85	91
880-16516-6	S-11A	86	93
880-16516-7	S-13A	85	93
880-16516-8	S-14A	102	107
880-16516-9	S-15A	86	86
880-16516-10	S-16A	99	104
880-16516-11	S-17A	89	91
880-16516-12	S-18A	94	97
880-16516-13	S-19A	89	92
880-16516-14	S-20A	84	85
880-16516-15	S-21A	87	87
880-16516-16	S-22A	85	83
880-16516-17	S-23A	87	91
880-16516-18	S-24A	96	102
880-16516-19	S-25A	91	94
880-16516-20	S-26A	95	97
880-16516-21	S-27A	102	99
880-16516-21 MS	S-27A	146 S1+	134 S1+
880-16516-21 MSD	S-27A	133 S1+	121
880-16516-22	S-28A	106	104
880-16516-23	S-29A	108	107
880-16516-24	S-30A	105	108
880-16516-25	S-31A	104	101
880-16516-26	S-32A	105	101
880-16516-27	NSW-2	101	96
880-16516-28	NSW-3	100	96

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## Surrogate Summary

Client: Talon/LPE

Job ID: 880-16516-1

Project/Site: Bellatrix 28 Fed 01H

SDG: Eddy Co 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)
880-16516-29	ESW-1	102	95
880-16516-30	ESW-2	104	106
880-16516-31	ESW-3	100	99
880-16516-32	ESW-4	107	106
880-16516-33	ESW-5	104	104
880-16516-34	SSW-1	104	100
880-16516-35	SSW-2	100	97
880-16516-36	SSW-3	102	99
880-16516-37	WSW-1	106	103
880-16516-38	WSW-2	92	92
880-16516-39	WSW-3	101	98
880-16516-40	WSW-4	109	111
880-16516-41	WSW-5	69 S1-	75
880-16516-41 MS	WSW-5	91	87
880-16516-41 MSD	WSW-5	77	78
880-16516-42	WSW-6	80	85
LCS 880-28837/2-A	Lab Control Sample	103	101
LCS 880-28839/2-A	Lab Control Sample	105	98
LCS 880-28906/2-A	Lab Control Sample	93	99
LCSD 880-28837/3-A	Lab Control Sample Dup	115	113
LCSD 880-28839/3-A	Lab Control Sample Dup	97	89
LCSD 880-28906/3-A	Lab Control Sample Dup	105	113
MB 880-28837/1-A	Method Blank	127	140 S1+
MB 880-28839/1-A	Method Blank	134 S1+	136 S1+
MB 880-28906/1-A	Method Blank	85	101

## Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl



## QC Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

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

Lab Sample ID: MB 880-28842/5-A

Matrix: Solid

Analysis Batch: 28967

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28842

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000382	U	0.001n8	0.000382	g K/7K		04/01/22 12:06	04/03/22 1m10	1
Tolhene	<0.000u52	U	0.001n8	0.000u52	g K/7K		04/01/22 12:06	04/03/22 1m10	1
EtXylbenzene	<0.000561	U	0.001n8	0.000561	g K/7K		04/01/22 12:06	04/03/22 1m10	1
g -&ylene p s-&ylene	<0.00100	U	0.003n4	0.00100	g K/7K		04/01/22 12:06	04/03/22 1m10	1
o-&ylene	<0.0003u1	U	0.001n8	0.0003u1	g K/7K		04/01/22 12:06	04/03/22 1m10	1
&ylene, 9Total	<0.00100	U	0.003n4	0.00100	g K/7K		04/01/22 12:06	04/03/22 1m10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	07/01/22 12:06	07/03/22 1: 510	1
1,2,4-trifluorobenzene (Surr)	: 2		70 - 130	07/01/22 12:06	07/03/22 1: 510	1

Lab Sample ID: MB 880-28847/5-A

Matrix: Solid

Analysis Batch: 28820

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28847

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	g K/7K		04/01/22 12:12	04/01/22 23:26	1
Tolhene	<0.000u56	U	0.00200	0.000u56	g K/7K		04/01/22 12:12	04/01/22 23:26	1
EtXylbenzene	<0.000565	U	0.00200	0.000565	g K/7K		04/01/22 12:12	04/01/22 23:26	1
g -&ylene p s-&ylene	<0.00101	U	0.00u00	0.00101	g K/7K		04/01/22 12:12	04/01/22 23:26	1
o-&ylene	<0.0003uu	U	0.00200	0.0003uu	g K/7K		04/01/22 12:12	04/01/22 23:26	1
&ylene, 9Total	<0.00101	U	0.00u00	0.00101	g K/7K		04/01/22 12:12	04/01/22 23:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	07/01/22 12:52	07/01/22 23:26	1
1,2,4-trifluorobenzene (Surr)	: 2		70 - 130	07/01/22 12:52	07/01/22 23:26	1

Lab Sample ID: MB 880-28850/5-A

Matrix: Solid

Analysis Batch: 28967

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28850

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	g K/7K		04/01/22 15:30	04/0u/22 05:u3	1
Tolhene	<0.000u56	U	0.00200	0.000u56	g K/7K		04/01/22 15:30	04/0u/22 05:u3	1
EtXylbenzene	<0.000565	U	0.00200	0.000565	g K/7K		04/01/22 15:30	04/0u/22 05:u3	1
g -&ylene p s-&ylene	<0.00101	U	0.00u00	0.00101	g K/7K		04/01/22 15:30	04/0u/22 05:u3	1
o-&ylene	<0.0003uu	U	0.00200	0.0003uu	g K/7K		04/01/22 15:30	04/0u/22 05:u3	1
&ylene, 9Total	<0.00101	U	0.00u00	0.00101	g K/7K		04/01/22 15:30	04/0u/22 05:u3	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	07/01/22 1C530	07/04/22 0C543	1
1,2,4-trifluorobenzene (Surr)	hh		70 - 130	07/01/22 1C530	07/04/22 0C543	1

EhroRn, Midland



## QC Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

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

Lab Sample ID: LCS 880-28850/1-A

Matrix: Solid

Analysis Batch: 28967

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28850

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08135		g K7K		81	40 - 130
Tolhene	0.100	0.081n8		g K7K		82	40 - 130
EtXylbenzene	0.100	0.0m014		g K7K		m0	40 - 130
g -&ylene p s-&ylene	0.200	0.1n03		g K7K		n6	40 - 130
o-&ylene	0.100	0.0m86u		g K7K		mm	40 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,2-dichlorobenzene (Surr)	110		70 - 130

Lab Sample ID: LCSD 880-28850/2-A

Matrix: Solid

Analysis Batch: 28967

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 28850

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08862		g K7K		8m	40 - 130	m	35
Tolhene	0.100	0.08840		g K7K		8m	40 - 130	8	35
EtXylbenzene	0.100	0.0mu35		g K7K		mu	40 - 130	5	35
g -&ylene p s-&ylene	0.200	0.1n66		g K7K		n8	40 - 130	3	35
o-&ylene	0.100	0.1005		g K7K		101	40 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,2-dichlorobenzene (Surr)	110		70 - 130

Lab Sample ID: MB 880-28852/5-A

Matrix: Solid

Analysis Batch: 28820

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28852

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	g K7K		04/01/22 12:23	04/02/22 10:03	1
Tolhene	<0.000u56	U	0.00200	0.000u56	g K7K		04/01/22 12:23	04/02/22 10:03	1
EtXylbenzene	<0.000565	U	0.00200	0.000565	g K7K		04/01/22 12:23	04/02/22 10:03	1
g -&ylene p s-&ylene	<0.00101	U	0.00u00	0.00101	g K7K		04/01/22 12:23	04/02/22 10:03	1
o-&ylene	<0.0003uu	U	0.00200	0.0003uu	g K7K		04/01/22 12:23	04/02/22 10:03	1
&ylene, 9Total	<0.00101	U	0.00u00	0.00101	g K7K		04/01/22 12:23	04/02/22 10:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	07/01/22 12:23	07/02/22 10:03	1
1,2-dichlorobenzene (Surr)	101		70 - 130	07/01/22 12:23	07/02/22 10:03	1

Lab Sample ID: LCS 880-28852/1-A

Matrix: Solid

Analysis Batch: 28820

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28852

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1051		g K7K		105	40 - 130
Tolhene	0.100	0.1021		g K7K		102	40 - 130

Ehroth, Midland



## QC Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

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

Lab Sample ID: LCS 880-28852/1-A

Matrix: Solid

Analysis Batch: 28820

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28852

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
EtXylbenzene	0.100	0.1028		g K7K		103	40 - 130
g -&ylene p s-&ylene	0.200	0.20m0		g K7K		105	40 - 130
o-&ylene	0.100	0.1054		g K7K		106	40 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,2-Dichlorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-28852/2-A

Matrix: Solid

Analysis Batch: 28820

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 28852

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.0842u		g K7K		84	40 - 130	1m	35
Tolhene	0.100	0.086n8		g K7K		84	40 - 130	16	35
EtXylbenzene	0.100	0.08805		g K7K		88	40 - 130	15	35
g -&ylene p s-&ylene	0.200	0.1813		g K7K		m1	40 - 130	1u	35
o-&ylene	0.100	0.0n286		g K7K		n8	40 - 130	13	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	10h		70 - 130
1,2-Dichlorobenzene (Surr)	::		70 - 130

Lab Sample ID: 880-16516-1 MS

Matrix: Solid

Analysis Batch: 28820

Client Sample ID: S-3A

Prep Type: Total/NA

Prep Batch: 28852

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.000386	U F1 F2	0.100	0.08n05		g K7K		8m	40 - 130
Tolhene	<0.000u54	U F1	0.100	0.08124		g K7K		81	40 - 130
EtXylbenzene	<0.000566	U F1	0.100	0.05068	F1	g K7K		51	40 - 130
g -&ylene p s-&ylene	<0.00101	U F1	0.200	0.134m	F1	g K7K		6m	40 - 130
o-&ylene	<0.0003u5	U	0.100	0.08mu8		g K7K		8m	40 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	10h		70 - 130
1,2-Dichlorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-16516-1 MSD

Matrix: Solid

Analysis Batch: 28820

Client Sample ID: S-3A

Prep Type: Total/NA

Prep Batch: 28852

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.000386	U F1 F2	0.0m8	0.05u08	F1 F2	g K7K		5u	40 - 130	um	35
Tolhene	<0.000u54	U F1	0.0m8	0.06225	F1	g K7K		62	40 - 130	26	35
EtXylbenzene	<0.000566	U F1	0.0m8	0.0un6m	F1	g K7K		50	40 - 130	2	35
g -&ylene p s-&ylene	<0.00101	U F1	0.200	0.1151	F1	g K7K		58	40 - 130	18	35
o-&ylene	<0.0003u5	U	0.0m8	0.04m44		g K7K		80	40 - 130	11	35

EhroRn, Midland



## QC Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

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

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	11:		70 - 130
1,2-Difluorobenzene (Surr)	: 2		70 - 130

Lab Sample ID: MB 880-28855/5-A  
Matrix: Solid  
Analysis Batch: 28967

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 28855

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	g K7K		04/01/22 12:24	04/0u/22 16:20	1
Tolhene	<0.000u56	U	0.00200	0.000u56	g K7K		04/01/22 12:24	04/0u/22 16:20	1
EtXylbenzene	<0.000565	U	0.00200	0.000565	g K7K		04/01/22 12:24	04/0u/22 16:20	1
g -&ylene p s-&ylene	<0.00101	U	0.00u00	0.00101	g K7K		04/01/22 12:24	04/0u/22 16:20	1
o-&ylene	<0.0003uu	U	0.00200	0.0003uu	g K7K		04/01/22 12:24	04/0u/22 16:20	1
&ylene, 9Total	<0.00101	U	0.00u00	0.00101	g K7K		04/01/22 12:24	04/0u/22 16:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	07/01/22 12:27	07/04/22 1, 20	1
1,2-Difluorobenzene (Surr)	: 2		70 - 130	07/01/22 12:27	07/04/22 1, 20	1

Lab Sample ID: LCS 880-28855/1-A  
Matrix: Solid  
Analysis Batch: 28967

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 28855

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.0n24u		g K7K		n8	40 - 130
Tolhene	0.100	0.08n80		g K7K		8m	40 - 130
EtXylbenzene	0.100	0.08nm2		g K7K		n0	40 - 130
g -&ylene p s-&ylene	0.200	0.1836		g K7K		n2	40 - 130
o-&ylene	0.100	0.0muum		g K7K		mu	40 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	10C		70 - 130
1,2-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-28855/2-A  
Matrix: Solid  
Analysis Batch: 28967

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 28855

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.102m		g K7K		103	40 - 130	10	35
Tolhene	0.100	0.0n443		g K7K		n8	40 - 130	m	35
EtXylbenzene	0.100	0.0mm14		g K7K		mm	40 - 130	10	35
g -&ylene p s-&ylene	0.200	0.2013		g K7K		101	40 - 130	m	35
o-&ylene	0.100	0.1025		g K7K		102	40 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	10C		70 - 130
1,2-Difluorobenzene (Surr)	102		70 - 130

EhroRn, Midland



## QC Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

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

Lab Sample ID: 880-16516-21 MS

Matrix: Solid

Analysis Batch: 28967

Client Sample ID: S-27A

Prep Type: Total/NA

Prep Batch: 28855

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00038u	U	0.100	0.1022		g K7K		102	40 - 130
Tolhene	<0.000u55	U	0.100	0.0m40u		g K7K		m4	40 - 130
EtXylbenzene	<0.00056u	U	0.100	0.0m820		g K7K		m8	40 - 130
g -&ylene p s-&ylene	<0.00101	U	0.200	0.1mm6		g K7K		100	40 - 130
o-&ylene	<0.0003u3	U	0.100	0.1004		g K7K		100	40 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	107		70 - 130						
1,2,4-trifluorobenzene (Surr)	101		70 - 130						

Lab Sample ID: 880-16516-21 MSD

Matrix: Solid

Analysis Batch: 28967

Client Sample ID: S-27A

Prep Type: Total/NA

Prep Batch: 28855

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00038u	U	0.101	0.0m5um		g K7K		m5	40 - 130	4	35
Tolhene	<0.000u55	U	0.101	0.0m0u1		g K7K		m0	40 - 130	4	35
EtXylbenzene	<0.00056u	U	0.101	0.0m86u		g K7K		m8	40 - 130	5	35
g -&ylene p s-&ylene	<0.00101	U	0.202	0.18m8		g K7K		mu	40 - 130	5	35
o-&ylene	<0.0003u3	U	0.101	0.0m540		g K7K		m5	40 - 130	5	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	111		70 - 130								
1,2,4-trifluorobenzene (Surr)	102		70 - 130								

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

Lab Sample ID: MB 880-28837/1-A

Matrix: Solid

Analysis Batch: 28952

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28837

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ga, oline OanKe ( rKanic, )GO( *-C6-C10	<15.0	U	50.0	15.0	g K7K		04/01/22 11:2u	04/03/22 22:01	1
Die, el OanKe ( rKanic, )( ver C10-C28*	<15.0	U	50.0	15.0	g K7K		04/01/22 11:2u	04/03/22 22:01	1
( ll OanKe ( rKanic, )( ver C28-C36*	20.48	J	50.0	15.0	g K7K		04/01/22 11:2u	04/03/22 22:01	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-c t l o r o o a t n e	127		70 - 130				07/01/22 11:24	07/03/22 22:01	1
o-yer8t en+I	140	S1p	70 - 130				07/01/22 11:24	07/03/22 22:01	1

Lab Sample ID: LCS 880-28837/2-A

Matrix: Solid

Analysis Batch: 28952

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28837

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ga, oline OanKe ( rKanic, )GO( *-C6-C10	1000	802.5		g K7K		80	40 - 130

EhroRn, Midland



## QC Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

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

Lab Sample ID: LCS 880-28837/2-A

Matrix: Solid

Analysis Batch: 28952

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28837

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Die, el OanKe ( rKanic, )( ver C10-C28*	1000	nm4.u		g K/7K		100	40 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-c t l o r o o a t n e	103		70 - 130				
o-yer8t en+I	101		70 - 130				

Lab Sample ID: LCSD 880-28837/3-A

Matrix: Solid

Analysis Batch: 28952

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 28837

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Ga, oline OanKe ( rKanic, )GO( *-C6-C10			1000	1052	f1	g K/7K		105	40 - 130	24	20
Die, el OanKe ( rKanic, )( ver C10-C28*			1000	1112		g K/7K		111	40 - 130	11	20
			LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits								
1-c t l o r o o a t n e	11C		70 - 130								
o-yer8t en+I	113		70 - 130								

Lab Sample ID: 880-16516-1 MS

Matrix: Solid

Analysis Batch: 28952

Client Sample ID: S-3A

Prep Type: Total/NA

Prep Batch: 28837

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Ga, oline OanKe ( rKanic, )GO( *-C6-C10	<15.0	U f1	nm6	nm84.m		g K/7K		mu	40 - 130		
Die, el OanKe ( rKanic, )( ver C10-C28*	<15.0	U	nm6	820.5		g K/7K		82	40 - 130		

Lab Sample ID: 880-16516-1 MSD

Matrix: Solid

Analysis Batch: 28952

Client Sample ID: S-3A

Prep Type: Total/NA

Prep Batch: 28837

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Ga, oline OanKe ( rKanic, )GO( *-C6-C10	<15.0	U f1	nm6	1104		g K/7 K		111	40 - 130	14	20
Die, el OanKe ( rKanic, )( ver C10-C28*	<15.0	U	nm6	4mu.4		g K/7 K		80	40 - 130	3	20

EhroRn, Midland



## QC Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

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

Lab Sample ID: MB 880-28839/1-A

Matrix: Solid

Analysis Batch: 28950

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28839

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ga, oline OanKe ( rKanic, )GO( *-C6-C10	2u.06	J	50.0	15.0	g K/7 K		04/01/22 11:24	04/03/22 22:01	1
Die, el OanKe ( rKanic, )( ver C10-C28*	16.n8	J	50.0	15.0	g K/7 K		04/01/22 11:24	04/03/22 22:01	1
( ll OanKe ( rKanic, )( ver C28-C36*	<15.0	U	50.0	15.0	g K/7 K		04/01/22 11:24	04/03/22 22:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-c t l o r o o a t n e	134	S1p	70 - 130	07/01/22 11:27	07/03/22 22:01	1
o-yer8t en+I	13,	S1p	70 - 130	07/01/22 11:27	07/03/22 22:01	1

Lab Sample ID: LCS 880-28839/2-A

Matrix: Solid

Analysis Batch: 28950

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28839

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ga, oline OanKe ( rKanic, )GO( *-C6-C10	1000	10u0		g K/7 K		10u	40 - 130
Die, el OanKe ( rKanic, )( ver C10-C28*	1000	m16.2		g K/7 K		m2	40 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-c t l o r o o a t n e	10C		70 - 130
o-yer8t en+I	: h		70 - 130

Lab Sample ID: LCSD 880-28839/3-A

Matrix: Solid

Analysis Batch: 28950

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 28839

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ga, oline OanKe ( rKanic, )GO( *-C6-C10	1000	m15.3		g K/7 K		m2	40 - 130	13	20
Die, el OanKe ( rKanic, )( ver C10-C28*	1000	80u.u		g K/7 K		80	40 - 130	13	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-c t l o r o o a t n e	: 7		70 - 130
o-yer8t en+I	h:		70 - 130

Lab Sample ID: 880-16516-21 MS

Matrix: Solid

Analysis Batch: 28950

Client Sample ID: S-27A

Prep Type: Total/NA

Prep Batch: 28839

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ga, oline OanKe ( rKanic, )GO( *-C6-C10	24.4	J B	mm6	1124		g K/7 K		110	40 - 130
Die, el OanKe ( rKanic, )( ver C10-C28*	25.5	J B	mm6	10u2		g K/7 K		102	40 - 130

EhroRn, Midland



## QC Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

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

Lab Sample ID: 880-16516-21 MS

Matrix: Solid

Analysis Batch: 28950

Client Sample ID: S-27A

Prep Type: Total/NA

Prep Batch: 28839

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-c t l o r o o a d i n e	14	S1p	70 - 130
o-y e r b t e n + l	134	S1p	70 - 130

Lab Sample ID: 880-16516-21 MSD

Matrix: Solid

Analysis Batch: 28950

Client Sample ID: S-27A

Prep Type: Total/NA

Prep Batch: 28839

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ga, oline OanKe ( rKanik, )GO( *-C6-C10	24.4	J B	nm6	10um		g K/7 K		103	40 - 130	4	20
Die, el OanKe ( rKanik, )( ver C10-C28*	25.5	J B	nm6	nm61.1		g K/7 K		nm8	40 - 130	m	20
Surrogate	%Recovery	Qualifier	Limits								
1-c t l o r o o a d i n e	133	S1p	70 - 130								
o-y e r b t e n + l	121		70 - 130								

Lab Sample ID: MB 880-28906/1-A

Matrix: Solid

Analysis Batch: 28973

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28906

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ga, oline OanKe ( rKanik, )GO( *-C6-C10	1m62	J	50.0	15.0	g K/7 K		04/01/22 16:31	04/0u/22 11:12	1
Die, el OanKe ( rKanik, )( ver C10-C28*	<15.0	U	50.0	15.0	g K/7 K		04/01/22 16:31	04/0u/22 11:12	1
( ll OanKe ( rKanik, )( ver C28-C36*	20.52	J	50.0	15.0	g K/7 K		04/01/22 16:31	04/0u/22 11:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-c t l o r o o a d i n e	hC		70 - 130				07/01/22 1, 31	07/04/22 11512	1
o-y e r b t e n + l	101		70 - 130				07/01/22 1, 31	07/04/22 11512	1

Lab Sample ID: LCS 880-28906/2-A

Matrix: Solid

Analysis Batch: 28973

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28906

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ga, oline OanKe ( rKanik, )GO( *-C6-C10	1000	815.5		g K/7 K		82	40 - 130		
Die, el OanKe ( rKanik, )( ver C10-C28*	1000	nm86.0		g K/7 K		mu	40 - 130		
Surrogate	%Recovery	Qualifier	Limits						
1-c t l o r o o a d i n e	: 3		70 - 130						
o-y e r b t e n + l	::		70 - 130						

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## QC Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

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

Lab Sample ID: LCSD 880-28906/3-A

Matrix: Solid

Analysis Batch: 28973

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 28906

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ga, oline OanKe ( rKanic, )GO( *-C6-C10	1000	843.m		g K/7 K		84	40 - 130	4	20
Die, el OanKe ( rKanic, )( ver C10-C28*	1000	1044		g K/7 K		108	40 - 130	1u	20
	LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits						
1-c t l o r o o a t n e	10C		70 - 130						
o-yer8t en+I	113		70 - 130						

Lab Sample ID: 880-16516-41 MS

Matrix: Solid

Analysis Batch: 28973

Client Sample ID: WSW-5

Prep Type: Total/NA

Prep Batch: 28906

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ga, oline OanKe ( rKanic, )GO( *-C6-C10	<15.0	U F2 F1	mm6	488.0		g K/7 K		4m	40 - 130		
Die, el OanKe ( rKanic, )( ver C10-C28*	<15.0	U F1	mm6	41m3		g K/7 K		42	40 - 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
1-c t l o r o o a t n e	: 1		70 - 130								
o-yer8t en+I	h7		70 - 130								

Lab Sample ID: 880-16516-41 MSD

Matrix: Solid

Analysis Batch: 28973

Client Sample ID: WSW-5

Prep Type: Total/NA

Prep Batch: 28906

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ga, oline OanKe ( rKanic, )GO( *-C6-C10	<15.0	U F2 F1	mm6	631.2	F1 F2	g K/7 K		63	40 - 130	22	20
Die, el OanKe ( rKanic, )( ver C10-C28*	<15.0	U F1	mm6	6uu.6	F1	g K/7 K		65	40 - 130	11	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-c t l o r o o a t n e	77		70 - 130								
o-yer8t en+I	7h		70 - 130								

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-28862/1-A

Matrix: Solid

Analysis Batch: 28936

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
CXloride	<0.858	U	5.00	0.858	g K/7 K			04/03/22 01:20	1

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## QC Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-28862/2-A

Matrix: Solid

Analysis Batch: 28936

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
CXloride	250	25u.4		g K/7 K		102	n0 - 110

Lab Sample ID: LCSD 880-28862/3-A

Matrix: Solid

Analysis Batch: 28936

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
CXloride	250	253.8		g K/7 K		102	n0 - 110	0	20

Lab Sample ID: 880-16534-A-8-G MS

Matrix: Solid

Analysis Batch: 28936

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
CXloride	u.u2	J	250	268.0		g K/7 K		105	n0 - 110

Lab Sample ID: 880-16534-A-8-H MSD

Matrix: Solid

Analysis Batch: 28936

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
CXloride	u.u2	J	250	264.8		g K/7 K		105	n0 - 110	0	20

Lab Sample ID: MB 880-28828/1-A

Matrix: Solid

Analysis Batch: 28942

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
CXloride	<0.858	U	5.00	0.858	g K/7 K			04/02/22 1m54	1

Lab Sample ID: LCS 880-28828/2-A

Matrix: Solid

Analysis Batch: 28942

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
CXloride	250	251.4		g K/7 K		101	n0 - 110

Lab Sample ID: LCSD 880-28828/3-A

Matrix: Solid

Analysis Batch: 28942

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
CXloride	250	250.4		g K/7 K		100	n0 - 110	0	20

Lab Sample ID: 880-16516-1 MS

Matrix: Solid

Analysis Batch: 28942

Client Sample ID: S-3A

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
CXloride	6u.8		252	312.1		g K/7 K		n8	n0 - 110

EhroRn, Midland



## QC Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-16516-1 MSD

Matrix: Solid

Analysis Batch: 28942

Client Sample ID: S-3A

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
CXloride	6u.8		252	310.3		g K/7 K		m4	m0 - 110	1	20

Lab Sample ID: 880-16516-11 MS

Matrix: Solid

Analysis Batch: 28942

Client Sample ID: S-17A

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
CXloride	115		250	343.6		g K/7 K		10u	m0 - 110		

Lab Sample ID: 880-16516-11 MSD

Matrix: Solid

Analysis Batch: 28942

Client Sample ID: S-17A

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
CXloride	115		250	343.4		g K/7 K		10u	m0 - 110	0	20

Lab Sample ID: MB 880-28829/1-A

Matrix: Solid

Analysis Batch: 28943

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
CXloride	<0.858	U	5.00	0.858	g K/7 K			04/03/22 06:u2	1

Lab Sample ID: LCS 880-28829/2-A

Matrix: Solid

Analysis Batch: 28943

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
CXloride	250	258.1		g K/7 K		103	m0 - 110		

Lab Sample ID: LCSD 880-28829/3-A

Matrix: Solid

Analysis Batch: 28943

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
CXloride	250	258.m		g K/7 K		10u	m0 - 110	0	20

Lab Sample ID: 880-16516-21 MS

Matrix: Solid

Analysis Batch: 28943

Client Sample ID: S-27A

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
CXloride	11u		2u8	345.4		g K/7 K		105	m0 - 110		

Lab Sample ID: 880-16516-21 MSD

Matrix: Solid

Analysis Batch: 28943

Client Sample ID: S-27A

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
CXloride	11u		2u8	348.u		g K/7 K		106	m0 - 110	1	20

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QC Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-16516-31 MS										Client Sample ID: ESW-3			
Matrix: Solid										Prep Type: Soluble			
Analysis Batch: 28943													
	Sample	Sample	Spike	MS	MS				%Rec				
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits				
CXloride	25.u		2u8	285.u		g K/7 K		105	m0 - 110				

Lab Sample ID: 880-16516-31 MSD										Client Sample ID: ESW-3			
Matrix: Solid										Prep Type: Soluble			
Analysis Batch: 28943													
	Sample	Sample	Spike	MSD	MSD				%Rec			RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD		Limit	
CXloride	25.u		2u8	2m1.8		g K/7 K		104	m0 - 110	2		20	



## QC Association Summary

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

## GC VOA

## Analysis Batch: 28820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16516-1	S-3A	Total/NA	Solid	8021B	28852
880-16516-2	S-4A	Total/NA	Solid	8021B	28852
880-16516-3	S-6A	Total/NA	Solid	8021B	28852
880-16516-4	S-7A	Total/NA	Solid	8021B	28852
880-16516-5	S-8A	Total/NA	Solid	8021B	28852
880-16516-6	S-11A	Total/NA	Solid	8021B	28852
880-16516-7	S-13A	Total/NA	Solid	8021B	28852
880-16516-8	S-14A	Total/NA	Solid	8021B	28852
880-16516-9	S-15A	Total/NA	Solid	8021B	28852
880-16516-10	S-16A	Total/NA	Solid	8021B	28852
880-16516-11	S-17A	Total/NA	Solid	8021B	28852
880-16516-12	S-18A	Total/NA	Solid	8021B	28852
880-16516-13	S-19A	Total/NA	Solid	8021B	28852
880-16516-14	S-20A	Total/NA	Solid	8021B	28852
880-16516-15	S-21A	Total/NA	Solid	8021B	28852
880-16516-16	S-22A	Total/NA	Solid	8021B	28852
880-16516-17	S-23A	Total/NA	Solid	8021B	28852
880-16516-18	S-24A	Total/NA	Solid	8021B	28852
880-16516-19	S-25A	Total/NA	Solid	8021B	28852
880-16516-20	S-26A	Total/NA	Solid	8021B	28852
MB 880-28847/5-A	Method Blank	Total/NA	Solid	8021B	28847
MB 880-28852/5-A	Method Blank	Total/NA	Solid	8021B	28852
LCS 880-28852/1-A	Lab Control Sample	Total/NA	Solid	8021B	28852
LCSD 880-28852/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	28852
880-16516-1 MS	S-3A	Total/NA	Solid	8021B	28852
880-16516-1 MSD	S-3A	Total/NA	Solid	8021B	28852

## Prep Batch: 28842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-28842/5-A	Method Blank	Total/NA	Solid	5035	

## Prep Batch: 28847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-28847/5-A	Method Blank	Total/NA	Solid	5035	

## Prep Batch: 28850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16516-41	WSW-5	Total/NA	Solid	5035	
880-16516-42	WSW-6	Total/NA	Solid	5035	
MB 880-28850/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-28850/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-28850/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

## Prep Batch: 28852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16516-1	S-3A	Total/NA	Solid	5035	
880-16516-2	S-4A	Total/NA	Solid	5035	
880-16516-3	S-6A	Total/NA	Solid	5035	
880-16516-4	S-7A	Total/NA	Solid	5035	
880-16516-5	S-8A	Total/NA	Solid	5035	
880-16516-6	S-11A	Total/NA	Solid	5035	

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## QC Association Summary

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

## GC VOA (Continued)

## Prep Batch: 28852 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16516-7	S-13A	Total/NA	Solid	5035	
880-16516-8	S-14A	Total/NA	Solid	5035	
880-16516-9	S-15A	Total/NA	Solid	5035	
880-16516-10	S-16A	Total/NA	Solid	5035	
880-16516-11	S-17A	Total/NA	Solid	5035	
880-16516-12	S-18A	Total/NA	Solid	5035	
880-16516-13	S-19A	Total/NA	Solid	5035	
880-16516-14	S-20A	Total/NA	Solid	5035	
880-16516-15	S-21A	Total/NA	Solid	5035	
880-16516-16	S-22A	Total/NA	Solid	5035	
880-16516-17	S-23A	Total/NA	Solid	5035	
880-16516-18	S-24A	Total/NA	Solid	5035	
880-16516-19	S-25A	Total/NA	Solid	5035	
880-16516-20	S-26A	Total/NA	Solid	5035	
MB 880-28852/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-28852/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-28852/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-16516-1 MS	S-3A	Total/NA	Solid	5035	
880-16516-1 MSD	S-3A	Total/NA	Solid	5035	

## Prep Batch: 28855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16516-21	S-27A	Total/NA	Solid	5035	
880-16516-22	S-28A	Total/NA	Solid	5035	
880-16516-23	S-29A	Total/NA	Solid	5035	
880-16516-24	S-30A	Total/NA	Solid	5035	
880-16516-25	S-31A	Total/NA	Solid	5035	
880-16516-26	S-32A	Total/NA	Solid	5035	
880-16516-27	NSW-2	Total/NA	Solid	5035	
880-16516-28	NSW-3	Total/NA	Solid	5035	
880-16516-29	ESW-1	Total/NA	Solid	5035	
880-16516-30	ESW-2	Total/NA	Solid	5035	
880-16516-31	ESW-3	Total/NA	Solid	5035	
880-16516-32	ESW-4	Total/NA	Solid	5035	
880-16516-33	ESW-5	Total/NA	Solid	5035	
880-16516-34	SSW-1	Total/NA	Solid	5035	
880-16516-35	SSW-2	Total/NA	Solid	5035	
880-16516-36	SSW-3	Total/NA	Solid	5035	
880-16516-37	WSW-1	Total/NA	Solid	5035	
880-16516-38	WSW-2	Total/NA	Solid	5035	
880-16516-39	WSW-3	Total/NA	Solid	5035	
880-16516-40	WSW-4	Total/NA	Solid	5035	
MB 880-28855/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-28855/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-28855/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-16516-21 MS	S-27A	Total/NA	Solid	5035	
880-16516-21 MSD	S-27A	Total/NA	Solid	5035	

## Analysis Batch: 28967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16516-21	S-27A	Total/NA	Solid	8021B	28855

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## QC Association Summary

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

## GC VOA (Continued)

## Analysis Batch: 28967 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16516-22	S-28A	Total/NA	Solid	8021B	28855
880-16516-23	S-29A	Total/NA	Solid	8021B	28855
880-16516-24	S-30A	Total/NA	Solid	8021B	28855
880-16516-25	S-31A	Total/NA	Solid	8021B	28855
880-16516-26	S-32A	Total/NA	Solid	8021B	28855
880-16516-27	NSW-2	Total/NA	Solid	8021B	28855
880-16516-28	NSW-3	Total/NA	Solid	8021B	28855
880-16516-29	ESW-1	Total/NA	Solid	8021B	28855
880-16516-30	ESW-2	Total/NA	Solid	8021B	28855
880-16516-31	ESW-3	Total/NA	Solid	8021B	28855
880-16516-32	ESW-4	Total/NA	Solid	8021B	28855
880-16516-33	ESW-5	Total/NA	Solid	8021B	28855
880-16516-34	SSW-1	Total/NA	Solid	8021B	28855
880-16516-35	SSW-2	Total/NA	Solid	8021B	28855
880-16516-36	SSW-3	Total/NA	Solid	8021B	28855
880-16516-37	WSW-1	Total/NA	Solid	8021B	28855
880-16516-38	WSW-2	Total/NA	Solid	8021B	28855
880-16516-39	WSW-3	Total/NA	Solid	8021B	28855
880-16516-40	WSW-4	Total/NA	Solid	8021B	28855
880-16516-41	WSW-5	Total/NA	Solid	8021B	28850
880-16516-42	WSW-6	Total/NA	Solid	8021B	28850
MB 880-28842/5-A	Method Blank	Total/NA	Solid	8021B	28842
MB 880-28850/5-A	Method Blank	Total/NA	Solid	8021B	28850
MB 880-28855/5-A	Method Blank	Total/NA	Solid	8021B	28855
LCS 880-28850/1-A	Lab Control Sample	Total/NA	Solid	8021B	28850
LCS 880-28855/1-A	Lab Control Sample	Total/NA	Solid	8021B	28855
LCSD 880-28850/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	28850
LCSD 880-28855/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	28855
880-16516-21 MS	S-27A	Total/NA	Solid	8021B	28855
880-16516-21 MSD	S-27A	Total/NA	Solid	8021B	28855

## Analysis Batch: 29074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16516-1	S-3A	Total/NA	Solid	Total BTEX	
880-16516-2	S-4A	Total/NA	Solid	Total BTEX	
880-16516-3	S-6A	Total/NA	Solid	Total BTEX	
880-16516-4	S-7A	Total/NA	Solid	Total BTEX	
880-16516-5	S-8A	Total/NA	Solid	Total BTEX	
880-16516-6	S-11A	Total/NA	Solid	Total BTEX	
880-16516-7	S-13A	Total/NA	Solid	Total BTEX	
880-16516-8	S-14A	Total/NA	Solid	Total BTEX	
880-16516-9	S-15A	Total/NA	Solid	Total BTEX	
880-16516-10	S-16A	Total/NA	Solid	Total BTEX	
880-16516-11	S-17A	Total/NA	Solid	Total BTEX	
880-16516-12	S-18A	Total/NA	Solid	Total BTEX	
880-16516-13	S-19A	Total/NA	Solid	Total BTEX	
880-16516-14	S-20A	Total/NA	Solid	Total BTEX	
880-16516-15	S-21A	Total/NA	Solid	Total BTEX	
880-16516-16	S-22A	Total/NA	Solid	Total BTEX	
880-16516-17	S-23A	Total/NA	Solid	Total BTEX	
880-16516-18	S-24A	Total/NA	Solid	Total BTEX	

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## QC Association Summary

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

## GC VOA (Continued)

## Analysis Batch: 29074 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16516-19	S-25A	Total/NA	Solid	Total BTEX	
880-16516-20	S-26A	Total/NA	Solid	Total BTEX	
880-16516-21	S-27A	Total/NA	Solid	Total BTEX	
880-16516-22	S-28A	Total/NA	Solid	Total BTEX	
880-16516-23	S-29A	Total/NA	Solid	Total BTEX	
880-16516-24	S-30A	Total/NA	Solid	Total BTEX	
880-16516-25	S-31A	Total/NA	Solid	Total BTEX	
880-16516-26	S-32A	Total/NA	Solid	Total BTEX	
880-16516-27	NSW-2	Total/NA	Solid	Total BTEX	
880-16516-28	NSW-3	Total/NA	Solid	Total BTEX	
880-16516-29	ESW-1	Total/NA	Solid	Total BTEX	
880-16516-30	ESW-2	Total/NA	Solid	Total BTEX	
880-16516-31	ESW-3	Total/NA	Solid	Total BTEX	
880-16516-32	ESW-4	Total/NA	Solid	Total BTEX	
880-16516-33	ESW-5	Total/NA	Solid	Total BTEX	
880-16516-34	SSW-1	Total/NA	Solid	Total BTEX	
880-16516-35	SSW-2	Total/NA	Solid	Total BTEX	
880-16516-36	SSW-3	Total/NA	Solid	Total BTEX	
880-16516-37	WSW-1	Total/NA	Solid	Total BTEX	
880-16516-38	WSW-2	Total/NA	Solid	Total BTEX	
880-16516-39	WSW-3	Total/NA	Solid	Total BTEX	
880-16516-40	WSW-4	Total/NA	Solid	Total BTEX	
880-16516-41	WSW-5	Total/NA	Solid	Total BTEX	
880-16516-42	WSW-6	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 28837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16516-1	S-3A	Total/NA	Solid	8015NM Prep	
880-16516-2	S-4A	Total/NA	Solid	8015NM Prep	
880-16516-3	S-6A	Total/NA	Solid	8015NM Prep	
880-16516-4	S-7A	Total/NA	Solid	8015NM Prep	
880-16516-5	S-8A	Total/NA	Solid	8015NM Prep	
880-16516-6	S-11A	Total/NA	Solid	8015NM Prep	
880-16516-7	S-13A	Total/NA	Solid	8015NM Prep	
880-16516-8	S-14A	Total/NA	Solid	8015NM Prep	
880-16516-9	S-15A	Total/NA	Solid	8015NM Prep	
880-16516-10	S-16A	Total/NA	Solid	8015NM Prep	
880-16516-11	S-17A	Total/NA	Solid	8015NM Prep	
880-16516-12	S-18A	Total/NA	Solid	8015NM Prep	
880-16516-13	S-19A	Total/NA	Solid	8015NM Prep	
880-16516-14	S-20A	Total/NA	Solid	8015NM Prep	
880-16516-15	S-21A	Total/NA	Solid	8015NM Prep	
880-16516-16	S-22A	Total/NA	Solid	8015NM Prep	
880-16516-17	S-23A	Total/NA	Solid	8015NM Prep	
880-16516-18	S-24A	Total/NA	Solid	8015NM Prep	
880-16516-19	S-25A	Total/NA	Solid	8015NM Prep	
880-16516-20	S-26A	Total/NA	Solid	8015NM Prep	
MB 880-28837/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-28837/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

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## QC Association Summary

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

## GC Semi VOA (Continued)

## Prep Batch: 28837 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-28837/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-16516-1 MS	S-3A	Total/NA	Solid	8015NM Prep	
880-16516-1 MSD	S-3A	Total/NA	Solid	8015NM Prep	

## Prep Batch: 28839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16516-21	S-27A	Total/NA	Solid	8015NM Prep	
880-16516-22	S-28A	Total/NA	Solid	8015NM Prep	
880-16516-23	S-29A	Total/NA	Solid	8015NM Prep	
880-16516-24	S-30A	Total/NA	Solid	8015NM Prep	
880-16516-25	S-31A	Total/NA	Solid	8015NM Prep	
880-16516-26	S-32A	Total/NA	Solid	8015NM Prep	
880-16516-27	NSW-2	Total/NA	Solid	8015NM Prep	
880-16516-28	NSW-3	Total/NA	Solid	8015NM Prep	
880-16516-29	ESW-1	Total/NA	Solid	8015NM Prep	
880-16516-30	ESW-2	Total/NA	Solid	8015NM Prep	
880-16516-31	ESW-3	Total/NA	Solid	8015NM Prep	
880-16516-32	ESW-4	Total/NA	Solid	8015NM Prep	
880-16516-33	ESW-5	Total/NA	Solid	8015NM Prep	
880-16516-34	SSW-1	Total/NA	Solid	8015NM Prep	
880-16516-35	SSW-2	Total/NA	Solid	8015NM Prep	
880-16516-36	SSW-3	Total/NA	Solid	8015NM Prep	
880-16516-37	WSW-1	Total/NA	Solid	8015NM Prep	
880-16516-38	WSW-2	Total/NA	Solid	8015NM Prep	
880-16516-39	WSW-3	Total/NA	Solid	8015NM Prep	
880-16516-40	WSW-4	Total/NA	Solid	8015NM Prep	
MB 880-28839/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-28839/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-28839/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-16516-21 MS	S-27A	Total/NA	Solid	8015NM Prep	
880-16516-21 MSD	S-27A	Total/NA	Solid	8015NM Prep	

## Prep Batch: 28906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16516-41	WSW-5	Total/NA	Solid	8015NM Prep	
880-16516-42	WSW-6	Total/NA	Solid	8015NM Prep	
MB 880-28906/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-28906/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-28906/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-16516-41 MS	WSW-5	Total/NA	Solid	8015NM Prep	
880-16516-41 MSD	WSW-5	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 28950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16516-21	S-27A	Total/NA	Solid	8015B NM	28839
880-16516-22	S-28A	Total/NA	Solid	8015B NM	28839
880-16516-23	S-29A	Total/NA	Solid	8015B NM	28839
880-16516-24	S-30A	Total/NA	Solid	8015B NM	28839
880-16516-25	S-31A	Total/NA	Solid	8015B NM	28839
880-16516-26	S-32A	Total/NA	Solid	8015B NM	28839
880-16516-27	NSW-2	Total/NA	Solid	8015B NM	28839

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## QC Association Summary

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

## GC Semi VOA (Continued)

## Analysis Batch: 28950 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16516-28	NSW-3	Total/NA	Solid	8015B NM	28839
880-16516-29	ESW-1	Total/NA	Solid	8015B NM	28839
880-16516-30	ESW-2	Total/NA	Solid	8015B NM	28839
880-16516-31	ESW-3	Total/NA	Solid	8015B NM	28839
880-16516-32	ESW-4	Total/NA	Solid	8015B NM	28839
880-16516-33	ESW-5	Total/NA	Solid	8015B NM	28839
880-16516-34	SSW-1	Total/NA	Solid	8015B NM	28839
880-16516-35	SSW-2	Total/NA	Solid	8015B NM	28839
880-16516-36	SSW-3	Total/NA	Solid	8015B NM	28839
880-16516-37	WSW-1	Total/NA	Solid	8015B NM	28839
880-16516-38	WSW-2	Total/NA	Solid	8015B NM	28839
880-16516-39	WSW-3	Total/NA	Solid	8015B NM	28839
880-16516-40	WSW-4	Total/NA	Solid	8015B NM	28839
MB 880-28839/1-A	Method Blank	Total/NA	Solid	8015B NM	28839
LCS 880-28839/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	28839
LCSD 880-28839/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	28839
880-16516-21 MS	S-27A	Total/NA	Solid	8015B NM	28839
880-16516-21 MSD	S-27A	Total/NA	Solid	8015B NM	28839

## Analysis Batch: 28952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16516-1	S-3A	Total/NA	Solid	8015B NM	28837
880-16516-2	S-4A	Total/NA	Solid	8015B NM	28837
880-16516-3	S-6A	Total/NA	Solid	8015B NM	28837
880-16516-4	S-7A	Total/NA	Solid	8015B NM	28837
880-16516-5	S-8A	Total/NA	Solid	8015B NM	28837
880-16516-6	S-11A	Total/NA	Solid	8015B NM	28837
880-16516-7	S-13A	Total/NA	Solid	8015B NM	28837
880-16516-8	S-14A	Total/NA	Solid	8015B NM	28837
880-16516-9	S-15A	Total/NA	Solid	8015B NM	28837
880-16516-10	S-16A	Total/NA	Solid	8015B NM	28837
880-16516-11	S-17A	Total/NA	Solid	8015B NM	28837
880-16516-12	S-18A	Total/NA	Solid	8015B NM	28837
880-16516-13	S-19A	Total/NA	Solid	8015B NM	28837
880-16516-14	S-20A	Total/NA	Solid	8015B NM	28837
880-16516-15	S-21A	Total/NA	Solid	8015B NM	28837
880-16516-16	S-22A	Total/NA	Solid	8015B NM	28837
880-16516-17	S-23A	Total/NA	Solid	8015B NM	28837
880-16516-18	S-24A	Total/NA	Solid	8015B NM	28837
880-16516-19	S-25A	Total/NA	Solid	8015B NM	28837
880-16516-20	S-26A	Total/NA	Solid	8015B NM	28837
MB 880-28837/1-A	Method Blank	Total/NA	Solid	8015B NM	28837
LCS 880-28837/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	28837
LCSD 880-28837/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	28837
880-16516-1 MS	S-3A	Total/NA	Solid	8015B NM	28837
880-16516-1 MSD	S-3A	Total/NA	Solid	8015B NM	28837

## Analysis Batch: 28973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16516-41	WSW-5	Total/NA	Solid	8015B NM	28906
880-16516-42	WSW-6	Total/NA	Solid	8015B NM	28906

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## QC Association Summary

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

## GC Semi VOA (Continued)

## Analysis Batch: 28973 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-28906/1-A	Method Blank	Total/NA	Solid	8015B NM	28906
LCS 880-28906/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	28906
LCSD 880-28906/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	28906
880-16516-41 MS	WSW-5	Total/NA	Solid	8015B NM	28906
880-16516-41 MSD	WSW-5	Total/NA	Solid	8015B NM	28906

## Analysis Batch: 29025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16516-1	S-3A	Total/NA	Solid	8015 NM	
880-16516-2	S-4A	Total/NA	Solid	8015 NM	
880-16516-3	S-6A	Total/NA	Solid	8015 NM	
880-16516-4	S-7A	Total/NA	Solid	8015 NM	
880-16516-5	S-8A	Total/NA	Solid	8015 NM	
880-16516-6	S-11A	Total/NA	Solid	8015 NM	
880-16516-7	S-13A	Total/NA	Solid	8015 NM	
880-16516-8	S-14A	Total/NA	Solid	8015 NM	
880-16516-9	S-15A	Total/NA	Solid	8015 NM	
880-16516-10	S-16A	Total/NA	Solid	8015 NM	
880-16516-11	S-17A	Total/NA	Solid	8015 NM	
880-16516-12	S-18A	Total/NA	Solid	8015 NM	
880-16516-13	S-19A	Total/NA	Solid	8015 NM	
880-16516-14	S-20A	Total/NA	Solid	8015 NM	
880-16516-15	S-21A	Total/NA	Solid	8015 NM	
880-16516-16	S-22A	Total/NA	Solid	8015 NM	
880-16516-17	S-23A	Total/NA	Solid	8015 NM	
880-16516-18	S-24A	Total/NA	Solid	8015 NM	
880-16516-19	S-25A	Total/NA	Solid	8015 NM	
880-16516-20	S-26A	Total/NA	Solid	8015 NM	
880-16516-21	S-27A	Total/NA	Solid	8015 NM	
880-16516-22	S-28A	Total/NA	Solid	8015 NM	
880-16516-23	S-29A	Total/NA	Solid	8015 NM	
880-16516-24	S-30A	Total/NA	Solid	8015 NM	
880-16516-25	S-31A	Total/NA	Solid	8015 NM	
880-16516-26	S-32A	Total/NA	Solid	8015 NM	
880-16516-27	NSW-2	Total/NA	Solid	8015 NM	
880-16516-28	NSW-3	Total/NA	Solid	8015 NM	
880-16516-29	ESW-1	Total/NA	Solid	8015 NM	
880-16516-30	ESW-2	Total/NA	Solid	8015 NM	
880-16516-31	ESW-3	Total/NA	Solid	8015 NM	
880-16516-32	ESW-4	Total/NA	Solid	8015 NM	
880-16516-33	ESW-5	Total/NA	Solid	8015 NM	
880-16516-34	SSW-1	Total/NA	Solid	8015 NM	
880-16516-35	SSW-2	Total/NA	Solid	8015 NM	
880-16516-36	SSW-3	Total/NA	Solid	8015 NM	
880-16516-37	WSW-1	Total/NA	Solid	8015 NM	
880-16516-38	WSW-2	Total/NA	Solid	8015 NM	
880-16516-39	WSW-3	Total/NA	Solid	8015 NM	
880-16516-40	WSW-4	Total/NA	Solid	8015 NM	
880-16516-41	WSW-5	Total/NA	Solid	8015 NM	
880-16516-42	WSW-6	Total/NA	Solid	8015 NM	

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## QC Association Summary

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

## HPLC/IC

## Leach Batch: 28828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16516-1	S-3A	Soluble	Solid	DI Leach	
880-16516-2	S-4A	Soluble	Solid	DI Leach	
880-16516-3	S-6A	Soluble	Solid	DI Leach	
880-16516-4	S-7A	Soluble	Solid	DI Leach	
880-16516-5	S-8A	Soluble	Solid	DI Leach	
880-16516-6	S-11A	Soluble	Solid	DI Leach	
880-16516-7	S-13A	Soluble	Solid	DI Leach	
880-16516-8	S-14A	Soluble	Solid	DI Leach	
880-16516-9	S-15A	Soluble	Solid	DI Leach	
880-16516-10	S-16A	Soluble	Solid	DI Leach	
880-16516-11	S-17A	Soluble	Solid	DI Leach	
880-16516-12	S-18A	Soluble	Solid	DI Leach	
880-16516-13	S-19A	Soluble	Solid	DI Leach	
880-16516-14	S-20A	Soluble	Solid	DI Leach	
880-16516-15	S-21A	Soluble	Solid	DI Leach	
880-16516-16	S-22A	Soluble	Solid	DI Leach	
880-16516-17	S-23A	Soluble	Solid	DI Leach	
880-16516-18	S-24A	Soluble	Solid	DI Leach	
880-16516-19	S-25A	Soluble	Solid	DI Leach	
880-16516-20	S-26A	Soluble	Solid	DI Leach	
MB 880-28828/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-28828/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-28828/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-16516-1 MS	S-3A	Soluble	Solid	DI Leach	
880-16516-1 MSD	S-3A	Soluble	Solid	DI Leach	
880-16516-11 MS	S-17A	Soluble	Solid	DI Leach	
880-16516-11 MSD	S-17A	Soluble	Solid	DI Leach	

## Leach Batch: 28829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16516-21	S-27A	Soluble	Solid	DI Leach	
880-16516-22	S-28A	Soluble	Solid	DI Leach	
880-16516-23	S-29A	Soluble	Solid	DI Leach	
880-16516-24	S-30A	Soluble	Solid	DI Leach	
880-16516-25	S-31A	Soluble	Solid	DI Leach	
880-16516-26	S-32A	Soluble	Solid	DI Leach	
880-16516-27	NSW-2	Soluble	Solid	DI Leach	
880-16516-28	NSW-3	Soluble	Solid	DI Leach	
880-16516-29	ESW-1	Soluble	Solid	DI Leach	
880-16516-30	ESW-2	Soluble	Solid	DI Leach	
880-16516-31	ESW-3	Soluble	Solid	DI Leach	
880-16516-32	ESW-4	Soluble	Solid	DI Leach	
880-16516-33	ESW-5	Soluble	Solid	DI Leach	
880-16516-34	SSW-1	Soluble	Solid	DI Leach	
880-16516-35	SSW-2	Soluble	Solid	DI Leach	
880-16516-36	SSW-3	Soluble	Solid	DI Leach	
880-16516-37	WSW-1	Soluble	Solid	DI Leach	
880-16516-38	WSW-2	Soluble	Solid	DI Leach	
880-16516-39	WSW-3	Soluble	Solid	DI Leach	
880-16516-40	WSW-4	Soluble	Solid	DI Leach	
MB 880-28829/1-A	Method Blank	Soluble	Solid	DI Leach	

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## QC Association Summary

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

## HPLC/IC (Continued)

## Leach Batch: 28829 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-28829/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-28829/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-16516-21 MS	S-27A	Soluble	Solid	DI Leach	
880-16516-21 MSD	S-27A	Soluble	Solid	DI Leach	
880-16516-31 MS	ESW-3	Soluble	Solid	DI Leach	
880-16516-31 MSD	ESW-3	Soluble	Solid	DI Leach	

## Leach Batch: 28862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16516-41	WSW-5	Soluble	Solid	DI Leach	
880-16516-42	WSW-6	Soluble	Solid	DI Leach	
MB 880-28862/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-28862/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-28862/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-16534-A-8-G MS	Matrix Spike	Soluble	Solid	DI Leach	
880-16534-A-8-H MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

## Analysis Batch: 28936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16516-41	WSW-5	Soluble	Solid	300.0	28862
880-16516-42	WSW-6	Soluble	Solid	300.0	28862
MB 880-28862/1-A	Method Blank	Soluble	Solid	300.0	28862
LCS 880-28862/2-A	Lab Control Sample	Soluble	Solid	300.0	28862
LCSD 880-28862/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	28862
880-16534-A-8-G MS	Matrix Spike	Soluble	Solid	300.0	28862
880-16534-A-8-H MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	28862

## Analysis Batch: 28942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16516-1	S-3A	Soluble	Solid	300.0	28828
880-16516-2	S-4A	Soluble	Solid	300.0	28828
880-16516-3	S-6A	Soluble	Solid	300.0	28828
880-16516-4	S-7A	Soluble	Solid	300.0	28828
880-16516-5	S-8A	Soluble	Solid	300.0	28828
880-16516-6	S-11A	Soluble	Solid	300.0	28828
880-16516-7	S-13A	Soluble	Solid	300.0	28828
880-16516-8	S-14A	Soluble	Solid	300.0	28828
880-16516-9	S-15A	Soluble	Solid	300.0	28828
880-16516-10	S-16A	Soluble	Solid	300.0	28828
880-16516-11	S-17A	Soluble	Solid	300.0	28828
880-16516-12	S-18A	Soluble	Solid	300.0	28828
880-16516-13	S-19A	Soluble	Solid	300.0	28828
880-16516-14	S-20A	Soluble	Solid	300.0	28828
880-16516-15	S-21A	Soluble	Solid	300.0	28828
880-16516-16	S-22A	Soluble	Solid	300.0	28828
880-16516-17	S-23A	Soluble	Solid	300.0	28828
880-16516-18	S-24A	Soluble	Solid	300.0	28828
880-16516-19	S-25A	Soluble	Solid	300.0	28828
880-16516-20	S-26A	Soluble	Solid	300.0	28828
MB 880-28828/1-A	Method Blank	Soluble	Solid	300.0	28828
LCS 880-28828/2-A	Lab Control Sample	Soluble	Solid	300.0	28828

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## QC Association Summary

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

## HPLC/IC (Continued)

## Analysis Batch: 28942 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-28828/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	28828
880-16516-1 MS	S-3A	Soluble	Solid	300.0	28828
880-16516-1 MSD	S-3A	Soluble	Solid	300.0	28828
880-16516-11 MS	S-17A	Soluble	Solid	300.0	28828
880-16516-11 MSD	S-17A	Soluble	Solid	300.0	28828

## Analysis Batch: 28943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16516-21	S-27A	Soluble	Solid	300.0	28829
880-16516-22	S-28A	Soluble	Solid	300.0	28829
880-16516-23	S-29A	Soluble	Solid	300.0	28829
880-16516-24	S-30A	Soluble	Solid	300.0	28829
880-16516-25	S-31A	Soluble	Solid	300.0	28829
880-16516-26	S-32A	Soluble	Solid	300.0	28829
880-16516-27	NSW-2	Soluble	Solid	300.0	28829
880-16516-28	NSW-3	Soluble	Solid	300.0	28829
880-16516-29	ESW-1	Soluble	Solid	300.0	28829
880-16516-30	ESW-2	Soluble	Solid	300.0	28829
880-16516-31	ESW-3	Soluble	Solid	300.0	28829
880-16516-32	ESW-4	Soluble	Solid	300.0	28829
880-16516-33	ESW-5	Soluble	Solid	300.0	28829
880-16516-34	SSW-1	Soluble	Solid	300.0	28829
880-16516-35	SSW-2	Soluble	Solid	300.0	28829
880-16516-36	SSW-3	Soluble	Solid	300.0	28829
880-16516-37	WSW-1	Soluble	Solid	300.0	28829
880-16516-38	WSW-2	Soluble	Solid	300.0	28829
880-16516-39	WSW-3	Soluble	Solid	300.0	28829
880-16516-40	WSW-4	Soluble	Solid	300.0	28829
MB 880-28829/1-A	Method Blank	Soluble	Solid	300.0	28829
LCS 880-28829/2-A	Lab Control Sample	Soluble	Solid	300.0	28829
LCSD 880-28829/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	28829
880-16516-21 MS	S-27A	Soluble	Solid	300.0	28829
880-16516-21 MSD	S-27A	Soluble	Solid	300.0	28829
880-16516-31 MS	ESW-3	Soluble	Solid	300.0	28829
880-16516-31 MSD	ESW-3	Soluble	Solid	300.0	28829



## Lab Chronicle

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

## Client Sample ID: S-3A

## Lab Sample ID: 880-16516-1

Date Collected: 06/30/22 11:48

Matrix: Solid

Date Received: 07/01/22 08:12

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	28852	07/01/22 12:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28820	07/02/22 10:25	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	28837	07/01/22 11:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28952	07/03/22 23:06	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	28828	07/01/22 10:09	CH	XEN MID
Soluble	Analysis	300.0		1			28942	07/02/22 20:25	CH	XEN MID

## Client Sample ID: S-4A

## Lab Sample ID: 880-16516-2

Date Collected: 06/30/22 11:44

Matrix: Solid

Date Received: 07/01/22 08:12

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	28852	07/01/22 12:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28820	07/02/22 10:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28837	07/01/22 11:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28952	07/04/22 00:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	28828	07/01/22 10:09	CH	XEN MID
Soluble	Analysis	300.0		1			28942	07/02/22 20:52	CH	XEN MID

## Client Sample ID: S-6A

## Lab Sample ID: 880-16516-3

Date Collected: 06/30/22 11:40

Matrix: Solid

Date Received: 07/01/22 08:12

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	28852	07/01/22 12:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28820	07/02/22 11:06	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28837	07/01/22 11:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28952	07/04/22 00:29	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28828	07/01/22 10:09	CH	XEN MID
Soluble	Analysis	300.0		1			28942	07/02/22 21:01	CH	XEN MID

## Client Sample ID: S-7A

## Lab Sample ID: 880-16516-4

Date Collected: 06/30/22 11:38

Matrix: Solid

Date Received: 07/01/22 08:12

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	28852	07/01/22 12:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28820	07/02/22 11:27	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID

Eurofins Midland



## Lab Chronicle

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

## Client Sample ID: S-7A

Lab Sample ID: 880-16516-4

Date Collected: 06/30/22 11:38

Matrix: Solid

Date Received: 07/01/22 08:12

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			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	28837	07/01/22 11:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28952	07/04/22 00:49	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	28828	07/01/22 10:09	CH	XEN MID
Soluble	Analysis	300.0		1			28942	07/02/22 21:11	CH	XEN MID

## Client Sample ID: S-8A

Lab Sample ID: 880-16516-5

Date Collected: 06/30/22 11:35

Matrix: Solid

Date Received: 07/01/22 08:12

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	28852	07/01/22 12:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28820	07/02/22 11:47	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28837	07/01/22 11:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28952	07/04/22 01:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	28828	07/01/22 10:09	CH	XEN MID
Soluble	Analysis	300.0		1			28942	07/02/22 21:20	CH	XEN MID

## Client Sample ID: S-11A

Lab Sample ID: 880-16516-6

Date Collected: 06/30/22 11:25

Matrix: Solid

Date Received: 07/01/22 08:12

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	28852	07/01/22 12:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28820	07/02/22 12:08	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28837	07/01/22 11:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28952	07/04/22 01:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	28828	07/01/22 10:09	CH	XEN MID
Soluble	Analysis	300.0		1			28942	07/02/22 21:48	CH	XEN MID

## Client Sample ID: S-13A

Lab Sample ID: 880-16516-7

Date Collected: 06/30/22 11:20

Matrix: Solid

Date Received: 07/01/22 08:12

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	28852	07/01/22 12:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28820	07/02/22 12:28	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28837	07/01/22 11:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28952	07/04/22 01:49	AJ	XEN MID

Eurofins Midland



## Lab Chronicle

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

## Client Sample ID: S-13A

## Lab Sample ID: 880-16516-7

Date Collected: 06/30/22 11:20

Matrix: Solid

Date Received: 07/01/22 08:12

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	28828	07/01/22 10:09	CH	XEN MID
Soluble	Analysis	300.0		1			28942	07/02/22 21:57	CH	XEN MID

## Client Sample ID: S-14A

## Lab Sample ID: 880-16516-8

Date Collected: 06/30/22 11:15

Matrix: Solid

Date Received: 07/01/22 08:12

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	28852	07/01/22 12:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28820	07/02/22 12:49	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28837	07/01/22 11:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28952	07/04/22 02:10	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	28828	07/01/22 10:09	CH	XEN MID
Soluble	Analysis	300.0		1			28942	07/02/22 22:06	CH	XEN MID

## Client Sample ID: S-15A

## Lab Sample ID: 880-16516-9

Date Collected: 06/30/22 11:13

Matrix: Solid

Date Received: 07/01/22 08:12

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	28852	07/01/22 12:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28820	07/02/22 13:09	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28837	07/01/22 11:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28952	07/04/22 02:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	28828	07/01/22 10:09	CH	XEN MID
Soluble	Analysis	300.0		1			28942	07/02/22 22:15	CH	XEN MID

## Client Sample ID: S-16A

## Lab Sample ID: 880-16516-10

Date Collected: 06/30/22 11:10

Matrix: Solid

Date Received: 07/01/22 08:12

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	28852	07/01/22 12:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28820	07/02/22 13:30	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	28837	07/01/22 11:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28952	07/04/22 02:50	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	28828	07/01/22 10:09	CH	XEN MID
Soluble	Analysis	300.0		1			28942	07/02/22 22:24	CH	XEN MID

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## Lab Chronicle

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: S-17A

Lab Sample ID: 880-16516-11

Date Collected: 06/30/22 11:08

Matrix: Solid

Date Received: 07/01/22 08:12

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	28852	07/01/22 12:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28820	07/02/22 14:52	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28837	07/01/22 11:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28952	07/04/22 03:30	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28828	07/01/22 10:09	CH	XEN MID
Soluble	Analysis	300.0		1			28942	07/02/22 22:34	CH	XEN MID

Client Sample ID: S-18A

Lab Sample ID: 880-16516-12

Date Collected: 06/30/22 11:03

Matrix: Solid

Date Received: 07/01/22 08:12

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	28852	07/01/22 12:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28820	07/02/22 15:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28837	07/01/22 11:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28952	07/04/22 03:50	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	28828	07/01/22 10:09	CH	XEN MID
Soluble	Analysis	300.0		1			28942	07/02/22 23:01	CH	XEN MID

Client Sample ID: S-19A

Lab Sample ID: 880-16516-13

Date Collected: 06/30/22 13:08

Matrix: Solid

Date Received: 07/01/22 08:12

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	28852	07/01/22 12:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28820	07/02/22 15:33	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28837	07/01/22 11:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28952	07/04/22 04:10	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	28828	07/01/22 10:09	CH	XEN MID
Soluble	Analysis	300.0		1			28942	07/02/22 23:11	CH	XEN MID

Client Sample ID: S-20A

Lab Sample ID: 880-16516-14

Date Collected: 06/30/22 13:05

Matrix: Solid

Date Received: 07/01/22 08:12

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	28852	07/01/22 12:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28820	07/02/22 15:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID

Eurofins Midland



## Lab Chronicle

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: S-20A

Lab Sample ID: 880-16516-14

Date Collected: 06/30/22 13:05

Matrix: Solid

Date Received: 07/01/22 08:12

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			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28837	07/01/22 11:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28952	07/04/22 04:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	28828	07/01/22 10:09	CH	XEN MID
Soluble	Analysis	300.0		1			28942	07/02/22 23:38	CH	XEN MID

Client Sample ID: S-21A

Lab Sample ID: 880-16516-15

Date Collected: 06/30/22 13:02

Matrix: Solid

Date Received: 07/01/22 08:12

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	28852	07/01/22 12:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28820	07/02/22 16:14	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28837	07/01/22 11:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28952	07/04/22 04:50	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	28828	07/01/22 10:09	CH	XEN MID
Soluble	Analysis	300.0		1			28942	07/02/22 23:48	CH	XEN MID

Client Sample ID: S-22A

Lab Sample ID: 880-16516-16

Date Collected: 06/30/22 13:00

Matrix: Solid

Date Received: 07/01/22 08:12

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	28852	07/01/22 12:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28820	07/02/22 16:35	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28837	07/01/22 11:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28952	07/04/22 05:10	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	28828	07/01/22 10:09	CH	XEN MID
Soluble	Analysis	300.0		1			28942	07/02/22 23:57	CH	XEN MID

Client Sample ID: S-23A

Lab Sample ID: 880-16516-17

Date Collected: 06/30/22 12:58

Matrix: Solid

Date Received: 07/01/22 08:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	28852	07/01/22 12:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28820	07/02/22 16:55	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28837	07/01/22 11:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28952	07/04/22 05:31	AJ	XEN MID

Eurofins Midland



## Lab Chronicle

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: S-23A

Lab Sample ID: 880-16516-17

Date Collected: 06/30/22 12:58

Matrix: Solid

Date Received: 07/01/22 08:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	28828	07/01/22 10:09	CH	XEN MID
Soluble	Analysis	300.0		1			28942	07/03/22 00:06	CH	XEN MID

Client Sample ID: S-24A

Lab Sample ID: 880-16516-18

Date Collected: 06/30/22 12:55

Matrix: Solid

Date Received: 07/01/22 08:12

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	28852	07/01/22 12:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28820	07/02/22 17:16	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28837	07/01/22 11:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28952	07/04/22 05:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	28828	07/01/22 10:09	CH	XEN MID
Soluble	Analysis	300.0		1			28942	07/03/22 00:15	CH	XEN MID

Client Sample ID: S-25A

Lab Sample ID: 880-16516-19

Date Collected: 06/30/22 12:52

Matrix: Solid

Date Received: 07/01/22 08:12

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	28852	07/01/22 12:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28820	07/02/22 17:36	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28837	07/01/22 11:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28952	07/04/22 06:12	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	28828	07/01/22 10:09	CH	XEN MID
Soluble	Analysis	300.0		1			28942	07/03/22 00:24	CH	XEN MID

Client Sample ID: S-26A

Lab Sample ID: 880-16516-20

Date Collected: 06/30/22 12:50

Matrix: Solid

Date Received: 07/01/22 08:12

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	28852	07/01/22 12:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28820	07/02/22 17:57	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28837	07/01/22 11:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28952	07/04/22 06:32	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28828	07/01/22 10:09	CH	XEN MID
Soluble	Analysis	300.0		1			28942	07/03/22 00:34	CH	XEN MID

Eurofins Midland



## Lab Chronicle

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: S-27A

Lab Sample ID: 880-16516-21

Date Collected: 06/30/22 13:35

Matrix: Solid

Date Received: 07/01/22 08:12

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	28855	07/01/22 12:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28967	07/04/22 16:41	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	28839	07/01/22 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28950	07/03/22 23:06	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	28829	07/01/22 10:15	CH	XEN MID
Soluble	Analysis	300.0		1			28943	07/03/22 07:10	CH	XEN MID

Client Sample ID: S-28A

Lab Sample ID: 880-16516-22

Date Collected: 06/30/22 13:38

Matrix: Solid

Date Received: 07/01/22 08:12

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	28855	07/01/22 12:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28967	07/04/22 17:02	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28839	07/01/22 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28950	07/04/22 00:09	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28829	07/01/22 10:15	CH	XEN MID
Soluble	Analysis	300.0		1			28943	07/03/22 07:38	CH	XEN MID

Client Sample ID: S-29A

Lab Sample ID: 880-16516-23

Date Collected: 06/30/22 13:40

Matrix: Solid

Date Received: 07/01/22 08:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	28855	07/01/22 12:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28967	07/04/22 17:22	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28839	07/01/22 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28950	07/04/22 00:29	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	28829	07/01/22 10:15	CH	XEN MID
Soluble	Analysis	300.0		1			28943	07/03/22 07:47	CH	XEN MID

Client Sample ID: S-30A

Lab Sample ID: 880-16516-24

Date Collected: 06/30/22 13:42

Matrix: Solid

Date Received: 07/01/22 08:12

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	28855	07/01/22 12:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28967	07/04/22 17:43	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID

Eurofins Midland



## Lab Chronicle

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: S-30A

Lab Sample ID: 880-16516-24

Date Collected: 06/30/22 13:42

Matrix: Solid

Date Received: 07/01/22 08:12

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			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	28839	07/01/22 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28950	07/04/22 00:49	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28829	07/01/22 10:15	CH	XEN MID
Soluble	Analysis	300.0		1			28943	07/03/22 07:56	CH	XEN MID

Client Sample ID: S-31A

Lab Sample ID: 880-16516-25

Date Collected: 06/30/22 13:46

Matrix: Solid

Date Received: 07/01/22 08:12

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	28855	07/01/22 12:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28967	07/04/22 18:03	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28839	07/01/22 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28950	07/04/22 01:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	28829	07/01/22 10:15	CH	XEN MID
Soluble	Analysis	300.0		1			28943	07/03/22 08:05	CH	XEN MID

Client Sample ID: S-32A

Lab Sample ID: 880-16516-26

Date Collected: 06/30/22 13:44

Matrix: Solid

Date Received: 07/01/22 08:12

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	28855	07/01/22 12:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28967	07/04/22 18:24	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28839	07/01/22 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28950	07/04/22 01:30	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	28829	07/01/22 10:15	CH	XEN MID
Soluble	Analysis	300.0		1			28943	07/03/22 08:33	CH	XEN MID

Client Sample ID: NSW-2

Lab Sample ID: 880-16516-27

Date Collected: 06/30/22 13:10

Matrix: Solid

Date Received: 07/01/22 08:12

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	28855	07/01/22 12:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28967	07/04/22 18:44	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28839	07/01/22 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28950	07/04/22 01:49	AJ	XEN MID

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## Lab Chronicle

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

## Client Sample ID: NSW-2

Date Collected: 06/30/22 13:10

Date Received: 07/01/22 08:12

## Lab Sample ID: 880-16516-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	28829	07/01/22 10:15	CH	XEN MID
Soluble	Analysis	300.0		1			28943	07/03/22 08:42	CH	XEN MID

## Client Sample ID: NSW-3

Date Collected: 06/30/22 13:52

Date Received: 07/01/22 08:12

## Lab Sample ID: 880-16516-28

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	28855	07/01/22 12:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28967	07/04/22 19:05	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28839	07/01/22 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28950	07/04/22 02:10	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28829	07/01/22 10:15	CH	XEN MID
Soluble	Analysis	300.0		1			28943	07/03/22 08:52	CH	XEN MID

## Client Sample ID: ESW-1

Date Collected: 06/30/22 12:15

Date Received: 07/01/22 08:12

## Lab Sample ID: 880-16516-29

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	28855	07/01/22 12:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28967	07/04/22 19:25	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28839	07/01/22 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28950	07/04/22 02:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	28829	07/01/22 10:15	CH	XEN MID
Soluble	Analysis	300.0		1			28943	07/03/22 09:01	CH	XEN MID

## Client Sample ID: ESW-2

Date Collected: 06/30/22 12:20

Date Received: 07/01/22 08:12

## Lab Sample ID: 880-16516-30

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	28855	07/01/22 12:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28967	07/04/22 19:46	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	28839	07/01/22 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28950	07/04/22 02:50	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	28829	07/01/22 10:15	CH	XEN MID
Soluble	Analysis	300.0		1			28943	07/03/22 09:10	CH	XEN MID

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## Lab Chronicle

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: ESW-3

Lab Sample ID: 880-16516-31

Date Collected: 06/30/22 13:12

Matrix: Solid

Date Received: 07/01/22 08:12

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	28855	07/01/22 12:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28967	07/04/22 21:08	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28839	07/01/22 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28950	07/04/22 03:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	28829	07/01/22 10:15	CH	XEN MID
Soluble	Analysis	300.0		1			28943	07/03/22 09:19	CH	XEN MID

Client Sample ID: ESW-4

Lab Sample ID: 880-16516-32

Date Collected: 06/30/22 13:14

Matrix: Solid

Date Received: 07/01/22 08:12

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	28855	07/01/22 12:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28967	07/04/22 21:29	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	28839	07/01/22 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28950	07/04/22 03:50	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28829	07/01/22 10:15	CH	XEN MID
Soluble	Analysis	300.0		1			28943	07/03/22 09:47	CH	XEN MID

Client Sample ID: ESW-5

Lab Sample ID: 880-16516-33

Date Collected: 06/30/22 13:55

Matrix: Solid

Date Received: 07/01/22 08:12

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	28855	07/01/22 12:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28967	07/04/22 21:49	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28839	07/01/22 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28950	07/04/22 04:10	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	28829	07/01/22 10:15	CH	XEN MID
Soluble	Analysis	300.0		1			28943	07/03/22 09:56	CH	XEN MID

Client Sample ID: SSW-1

Lab Sample ID: 880-16516-34

Date Collected: 06/30/22 12:35

Matrix: Solid

Date Received: 07/01/22 08:12

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	28855	07/01/22 12:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28967	07/04/22 22:10	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID

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## Lab Chronicle

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: SSW-1

Lab Sample ID: 880-16516-34

Date Collected: 06/30/22 12:35

Matrix: Solid

Date Received: 07/01/22 08:12

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			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28839	07/01/22 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28950	07/04/22 04:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	28829	07/01/22 10:15	CH	XEN MID
Soluble	Analysis	300.0		1			28943	07/03/22 10:24	CH	XEN MID

Client Sample ID: SSW-2

Lab Sample ID: 880-16516-35

Date Collected: 06/30/22 13:16

Matrix: Solid

Date Received: 07/01/22 08:12

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	28855	07/01/22 12:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28967	07/04/22 22:31	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28839	07/01/22 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28950	07/04/22 04:50	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	28829	07/01/22 10:15	CH	XEN MID
Soluble	Analysis	300.0		1			28943	07/03/22 10:33	CH	XEN MID

Client Sample ID: SSW-3

Lab Sample ID: 880-16516-36

Date Collected: 06/30/22 13:48

Matrix: Solid

Date Received: 07/01/22 08:12

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	28855	07/01/22 12:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28967	07/04/22 22:51	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28839	07/01/22 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28950	07/04/22 05:10	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28829	07/01/22 10:15	CH	XEN MID
Soluble	Analysis	300.0		1			28943	07/03/22 10:42	CH	XEN MID

Client Sample ID: WSW-1

Lab Sample ID: 880-16516-37

Date Collected: 06/30/22 12:25

Matrix: Solid

Date Received: 07/01/22 08:12

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	28855	07/01/22 12:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28967	07/04/22 23:12	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28839	07/01/22 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28950	07/04/22 05:31	AJ	XEN MID

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## Lab Chronicle

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

**Client Sample ID: WSW-1****Lab Sample ID: 880-16516-37****Date Collected: 06/30/22 12:25****Matrix: Solid****Date Received: 07/01/22 08:12**

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	28829	07/01/22 10:15	CH	XEN MID
Soluble	Analysis	300.0		1			28943	07/03/22 10:51	CH	XEN MID

**Client Sample ID: WSW-2****Lab Sample ID: 880-16516-38****Date Collected: 06/30/22 12:30****Matrix: Solid****Date Received: 07/01/22 08:12**

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	28855	07/01/22 12:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28967	07/04/22 23:32	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28839	07/01/22 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28950	07/04/22 05:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	28829	07/01/22 10:15	CH	XEN MID
Soluble	Analysis	300.0		1			28943	07/03/22 11:01	CH	XEN MID

**Client Sample ID: WSW-3****Lab Sample ID: 880-16516-39****Date Collected: 06/30/22 12:32****Matrix: Solid****Date Received: 07/01/22 08:12**

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	28855	07/01/22 12:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28967	07/04/22 23:53	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	28839	07/01/22 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28950	07/04/22 06:12	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	28829	07/01/22 10:15	CH	XEN MID
Soluble	Analysis	300.0		1			28943	07/03/22 11:10	CH	XEN MID

**Client Sample ID: WSW-4****Lab Sample ID: 880-16516-40****Date Collected: 06/30/22 13:18****Matrix: Solid****Date Received: 07/01/22 08:12**

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	28855	07/01/22 12:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28967	07/05/22 00:13	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	28839	07/01/22 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28950	07/04/22 06:32	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	28829	07/01/22 10:15	CH	XEN MID
Soluble	Analysis	300.0		1			28943	07/03/22 11:19	CH	XEN MID

Eurofins Midland



## Lab Chronicle

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Client Sample ID: WSW-5

Lab Sample ID: 880-16516-41

Date Collected: 06/30/22 13:20

Matrix: Solid

Date Received: 07/01/22 08:12

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	28850	07/01/22 15:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28967	07/04/22 09:09	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	28906	07/01/22 16:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28973	07/04/22 12:18	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28862	07/01/22 12:47	SMC	XEN MID
Soluble	Analysis	300.0		1			28936	07/03/22 02:15	CH	XEN MID

Client Sample ID: WSW-6

Lab Sample ID: 880-16516-42

Date Collected: 06/30/22 13:50

Matrix: Solid

Date Received: 07/01/22 08:12

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	28850	07/01/22 15:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28967	07/04/22 10:32	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29074	07/05/22 16:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29025	07/05/22 11:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28906	07/01/22 16:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28973	07/04/22 13:25	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	28862	07/01/22 12:47	SMC	XEN MID
Soluble	Analysis	300.0		1			28936	07/03/22 02:24	CH	XEN MID

## Laboratory References:

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



Accreditation/Certification Summary

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co 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	T104704400-22-23	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: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

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

## Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

## Laboratory References:

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



## Sample Summary

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16516-1  
SDG: Eddy Co NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-16516-1	S-3A	Solid	06/30/22 11:48	07/01/22 08:12
880-16516-2	S-4A	Solid	06/30/22 11:44	07/01/22 08:12
880-16516-3	S-6A	Solid	06/30/22 11:40	07/01/22 08:12
880-16516-4	S-7A	Solid	06/30/22 11:38	07/01/22 08:12
880-16516-5	S-8A	Solid	06/30/22 11:35	07/01/22 08:12
880-16516-6	S-11A	Solid	06/30/22 11:25	07/01/22 08:12
880-16516-7	S-13A	Solid	06/30/22 11:20	07/01/22 08:12
880-16516-8	S-14A	Solid	06/30/22 11:15	07/01/22 08:12
880-16516-9	S-15A	Solid	06/30/22 11:13	07/01/22 08:12
880-16516-10	S-16A	Solid	06/30/22 11:10	07/01/22 08:12
880-16516-11	S-17A	Solid	06/30/22 11:08	07/01/22 08:12
880-16516-12	S-18A	Solid	06/30/22 11:03	07/01/22 08:12
880-16516-13	S-19A	Solid	06/30/22 13:08	07/01/22 08:12
880-16516-14	S-20A	Solid	06/30/22 13:05	07/01/22 08:12
880-16516-15	S-21A	Solid	06/30/22 13:02	07/01/22 08:12
880-16516-16	S-22A	Solid	06/30/22 13:00	07/01/22 08:12
880-16516-17	S-23A	Solid	06/30/22 12:58	07/01/22 08:12
880-16516-18	S-24A	Solid	06/30/22 12:55	07/01/22 08:12
880-16516-19	S-25A	Solid	06/30/22 12:52	07/01/22 08:12
880-16516-20	S-26A	Solid	06/30/22 12:50	07/01/22 08:12
880-16516-21	S-27A	Solid	06/30/22 13:35	07/01/22 08:12
880-16516-22	S-28A	Solid	06/30/22 13:38	07/01/22 08:12
880-16516-23	S-29A	Solid	06/30/22 13:40	07/01/22 08:12
880-16516-24	S-30A	Solid	06/30/22 13:42	07/01/22 08:12
880-16516-25	S-31A	Solid	06/30/22 13:46	07/01/22 08:12
880-16516-26	S-32A	Solid	06/30/22 13:44	07/01/22 08:12
880-16516-27	NSW-2	Solid	06/30/22 13:10	07/01/22 08:12
880-16516-28	NSW-3	Solid	06/30/22 13:52	07/01/22 08:12
880-16516-29	ESW-1	Solid	06/30/22 12:15	07/01/22 08:12
880-16516-30	ESW-2	Solid	06/30/22 12:20	07/01/22 08:12
880-16516-31	ESW-3	Solid	06/30/22 13:12	07/01/22 08:12
880-16516-32	ESW-4	Solid	06/30/22 13:14	07/01/22 08:12
880-16516-33	ESW-5	Solid	06/30/22 13:55	07/01/22 08:12
880-16516-34	SSW-1	Solid	06/30/22 12:35	07/01/22 08:12
880-16516-35	SSW-2	Solid	06/30/22 13:16	07/01/22 08:12
880-16516-36	SSW-3	Solid	06/30/22 13:48	07/01/22 08:12
880-16516-37	WSW-1	Solid	06/30/22 12:25	07/01/22 08:12
880-16516-38	WSW-2	Solid	06/30/22 12:30	07/01/22 08:12
880-16516-39	WSW-3	Solid	06/30/22 12:32	07/01/22 08:12
880-16516-40	WSW-4	Solid	06/30/22 13:18	07/01/22 08:12
880-16516-41	WSW-5	Solid	06/30/22 13:20	07/01/22 08:12
880-16516-42	WSW-6	Solid	06/30/22 13:50	07/01/22 08:12



**>> Select a Laboratory or Service Center <<**

Direct Bill Deion Energy ref. WO# 21065322

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

000-10316 Chain of Custody

ling America

880-16516 Chas. & Co. Ltd.

25 00

7/5/2022

Page 79 of 84



>> Select a Laboratory or Service Center <<

Chain of Custody Record



Form 1017-0 5 8  
A m 2-0

#N/A  
#N/A  
#N/A  
#N/A

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Eurofins Environment Testing America

COC No 2 of 5 COCs

TALS Project #

Sampler

For Lab Use Only:

Walk-in Client:

Lab Sampling

Job / SDG No

Sample Specific Notes

Client Contact

Talon LPE

408 W Texas Ave

Artesia, NM

432-210-5443

(xxx) xxx-xxxx

Project Name Bellatrix 28 Fed 01H

Site Eddy County, NM

P O # 21005322

Project Manager:

Email: ktaylor@talonlpe.com

Tel/Fax:

Analysis Turnaround Time

☐ CALENDAR DAYS ☐ WORKING DAYS

TAT if different from Below

☐ 2 weeks

☐ 1 week

☐ 2 days

☐ 1 day

Site Contact:

Lab Contact:

Date:

Carrier:

Sample Identification

Sample Date

Sample Time

Sample Type (C=Comp, G=Grav)

Matrix

# of Cont.

Filtered Sample (Y / N)

Perform MS / MSD (Y / N)

Chlorides 300 0

BTEX 8021

TPH 8015M

S-13A

S-14A

S-15A

S-16A

S-17A

S-18A

S-19A

S-20A

S-21A

S-22A

S-23A

S-24A

Preservation Used: 1= Ice, 2= HCI, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other

Possible Hazard Identification:

Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the

Comments Section if the lab is to dispose of the sample

Special Instructions/QC Requirements & Comments:

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

☐ Return to Client ☐ Disposal by Lab ☐ Archive for Months

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Custody Seals Intact: ☐ Yes ☐ No

Relinquished by: Talon LPE

Relinquished by: Talon LPE

Relinquished by: Talon LPE

Relinquished by: Talon LPE

Custody Seal No

Company: Talon LPE

Company: Talon LPE

Company: Talon LPE

Company: Talon LPE

Date/Time

Date/Time

Date/Time

Date/Time

Cooler Temp (°C) Obs'd

Received by: J. HANCOCK

Received by: J. HANCOCK

Received by: J. HANCOCK

Received by: J. HANCOCK

Cor'd

Company

Company

Company

Company

Therm ID No

Date/Time

Date/Time

Date/Time

Date/Time



**>> Select a Laboratory or Service Center <<**

## Chain of Custody Record

eurofins

REVOLUTIONARY  
AFRICA

##  
#N/A  
#N/A  
#N/A

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

## Eurofins Environment Testing America:

Client Contact						Project Manager:	
Talon LPE						Email:	kaylor@talonlpe.com
408 W Texas Ave						Tel/Fax:	
Artesia, NM						Analysis Turnaround Time	
432-210-5443 Phone						<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS	
(xxx) xxx-xxxx FAX						TAT if different from Below _____	
Project Name Bellatrix 28 Fed 01H						<input type="checkbox"/> 2 weeks	
Site Eddy County, NM						<input type="checkbox"/> 1 week	
P O # 21005322						<input checked="" type="checkbox"/> 2 days	
						<input type="checkbox"/> 1 day	
Sample Identification							
S-25A	6/30/22	1252	C	S	1	Filtered Sample ( Y / N )	
S-26A	6/30/22	1250	C	S	1	Perform MS / MSD ( Y / N )	
S-27A	6/30/22	1335	C	S	1	Chlorides 300.0	
S-28A	6/30/22	1358	C	S	1	BTEX 8021	
S-29A	6/30/22	134D	C	S	1	TPH 8015M	
S-30A	6/30/22	1342	C	S	1		
S-31A	6/30/22	1346	C	S	1		
S-32A	6/30/22	1344	C	S	1		
NSW-1	6/30/22		C	S	1		
NSW-2	6/30/22	131B	C	S	1		
NSW-3	6/30/22	1352	C	S	1		
ESW-1	6/30/22	1215	C	S	1		
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____							
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample							
Special Instructions/QC Requirements & Comments:							
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown							
Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months							
Cooler Temp (°C) Obs'd _____ Cor'd _____ Therm ID No _____							
Received by: [Signature] Company: TALON LPE Date/Time: 7-1-22							
Received in Laboratory by: [Signature] Company: _____ Date/Time: _____							
Relinquished by: [Signature] Company: _____ Date/Time: _____							
Relinquished by: _____ Company: _____ Date/Time: _____							
COG No 3 of 5 COCs TALS Project # Sampler: For Lab Use Only: Walk-in Client Lab Sampling Job / SDG No							
Sample Specific Notes							



>> Select a Laboratory or Service Center <<

## Chain of Custody Record

eurofins

3 July 1944

##  
#N/A  
#N/A  
#N/A

[illegible]



>> Select a Laboratory or Service Center <<

Chain of Custody Record



V OTHRE 45 2  
VOTER CR

#N/A  
#N/A  
#N/A  
##

Eurofins Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact

Project Manager:  
Email: ktaylor@talonlpe.com  
Tel/Fax:

Site Contact:

Date:

COC No  
5 of 5 COCs

Talon LPE

Analysis Turnaround Time

Lab Contact:

Carrier:

TALS Project #

408 W Texas Ave

☐ CALENDAR DAYS ☐ WORKING DAYS

For Lab Use Only:

Sampler

Artesia, NM

TAT if different from Below

Walk-in Client:

Lab Sampling

432-210-5443

☐ 2 weeks  
☐ 1 week  
☒ 2 days  
☐ 1 day

Job / SDG No

Sample Specific Notes

(xxx) xxx-xxxx FAX

Project Name

Chlorides 300.0

Perform MS / MSD ( Y / N )

Site Eddy County, NM

Project Name

BTEX 8021

TPH 8015M

P O # 21005322

Sample Identification

Filtered Sample ( Y / N )

Sample Specific Notes

Sample Identification

Sample Date

Sample Time

Sample Type (C=Comp, G=Grab)

Matrix

# of Cont.

Sample Specific Notes

WSW-6

6/30/22

1350

C

S

1

Sample Specific Notes

Preservation Used: 1= Ice, 2= HCI, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other

Possible Hazard Identification:

Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)

Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

Non-Hazard

☐ Flammable

☐ Skin Irritant

☐ Poison B

☐ Unknown

Return to Client

Disposal by Lab

Archive for

Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact:

☐ Yes ☐ No

Custody Seal No

Cooler Temp (°C) Obs'd

Corr'd

Therm ID No

Relinquished by:

Talon LPE

Company

Date/Time

Received by:

Company

Date/Time

Relinquished by:

Company

Date/Time

Received in Laboratory by:

Company

Date/Time

Relinquished by:

Company

Date/Time

Received in Laboratory by:

Company

Date/Time



## Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 880-16516-1

SDG Number: Eddy Co NM

Login Number: 16516

List Number: 1

Creator: Kramer, Jessica

List Source: Eurofins Midland

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





## Environment Testing America

### ANALYTICAL REPORT

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

Laboratory Job ID: 880-16557-1

Laboratory Sample Delivery Group: Eddy County NM  
Client Project/Site: Bellatrix 28 Fed 01H

**For:**

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

Attn: Kayla Taylor

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

Authorized for release by:  
7/8/2022 4:39:03 PM

Jessica Kramer, Project Manager  
(432)704-5440

[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)

#### LINKS

Review your project  
results through



Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

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

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



Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Laboratory Job ID: 880-16557-1  
SDG: Eddy County NM

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## Definitions/Glossary

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16557-1  
SDG: Eddy County NM

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



Case Narrative

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16557-1  
SDG: Eddy County NM

Job ID: 880-16557-1

Laboratory: Eurofins Midland

Narrative	
	Job Narrative 880-16557-1

Receipt

The samples were received on 7/1/2022 4:40 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 4.4°C

GC VOA

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

GC Semi VOA

Method 8015MOD\_NM: The method blank for preparation batch 880-29059 and analytical batch 880-29169 contained Gasoline Range Organics (GRO)-C6-C10 and Oil Range Organics (Over C28-C36) 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.

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16557-1  
SDG: Eddy County NM

Client Sample ID: S-1A

Lab Sample ID: 880-16557-1

Date Collected: 07/01/22 11:00

Matrix: Solid

Date Received: 07/01/22 16:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		07/07/22 15:28	07/07/22 16:49	1
<b>Toluene</b>	<b>0.000510</b>	<b>J</b>	0.00200	0.000456	mg/Kg		07/07/22 15:28	07/07/22 16:49	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		07/07/22 15:28	07/07/22 16:49	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		07/07/22 15:28	07/07/22 16:49	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		07/07/22 15:28	07/07/22 16:49	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		07/07/22 15:28	07/07/22 16:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				07/07/22 15:28	07/07/22 16:49	1
1,4-Difluorobenzene (Surr)	99		70 - 130				07/07/22 15:28	07/07/22 16:49	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00400	0.00101	mg/Kg			07/08/22 10:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total TPH</b>	<b>87.3</b>		49.9	15.0	mg/Kg			07/08/22 13:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Gasoline Range Organics (GRO)-C6-C10</b>	<b>29.4</b>	<b>J B</b>	49.9	15.0	mg/Kg		07/05/22 14:48	07/07/22 11:45	1
<b>Diesel Range Organics (Over C10-C28)</b>	<b>41.8</b>	<b>J</b>	49.9	15.0	mg/Kg		07/05/22 14:48	07/07/22 11:45	1
<b>Oil Range Organics (Over C28-C36)</b>	<b>16.1</b>	<b>J B</b>	49.9	15.0	mg/Kg		07/05/22 14:48	07/07/22 11:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				07/05/22 14:48	07/07/22 11:45	1
o-Terphenyl	118		70 - 130				07/05/22 14:48	07/07/22 11:45	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>13.8</b>		5.00	0.858	mg/Kg			07/08/22 08:16	1

Client Sample ID: S-2A

Lab Sample ID: 880-16557-2

Date Collected: 07/01/22 11:02

Matrix: Solid

Date Received: 07/01/22 16:40

## Method: 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		07/07/22 15:28	07/07/22 17:09	1
Toluene	<0.000457	U	0.00200	0.000457	mg/Kg		07/07/22 15:28	07/07/22 17:09	1
Ethylbenzene	<0.000566	U	0.00200	0.000566	mg/Kg		07/07/22 15:28	07/07/22 17:09	1
m-Xylene & p-Xylene	<0.00101	U	0.00401	0.00101	mg/Kg		07/07/22 15:28	07/07/22 17:09	1
o-Xylene	<0.000345	U	0.00200	0.000345	mg/Kg		07/07/22 15:28	07/07/22 17:09	1
Xylenes, Total	<0.00101	U	0.00401	0.00101	mg/Kg		07/07/22 15:28	07/07/22 17:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				07/07/22 15:28	07/07/22 17:09	1
1,4-Difluorobenzene (Surr)	99		70 - 130				07/07/22 15:28	07/07/22 17:09	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16557-1  
SDG: Eddy County NM

Client Sample ID: S-2A

Lab Sample ID: 880-16557-2

Date Collected: 07/01/22 11:02

Matrix: Solid

Date Received: 07/01/22 16:40

## Method: 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			07/08/22 10:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	69.7		50.0	15.0	mg/Kg			07/08/22 13:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	43.3	J B	50.0	15.0	mg/Kg		07/05/22 14:48	07/07/22 12:49	1
Diesel Range Organics (Over C10-C28)	26.4	J	50.0	15.0	mg/Kg		07/05/22 14:48	07/07/22 12:49	1
OII Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		07/05/22 14:48	07/07/22 12:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				07/05/22 14:48	07/07/22 12:49	1
o-Terphenyl	119		70 - 130				07/05/22 14:48	07/07/22 12:49	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.2		4.99	0.857	mg/Kg			07/08/22 08:44	1

Client Sample ID: S-5A

Lab Sample ID: 880-16557-3

Date Collected: 07/01/22 11:08

Matrix: Solid

Date Received: 07/01/22 16:40

## Method: 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		07/07/22 15:28	07/07/22 17:30	1
Toluene	<0.000459	U	0.00201	0.000459	mg/Kg		07/07/22 15:28	07/07/22 17:30	1
Ethylbenzene	<0.000568	U	0.00201	0.000568	mg/Kg		07/07/22 15:28	07/07/22 17:30	1
m-Xylene & p-Xylene	<0.00102	U	0.00402	0.00102	mg/Kg		07/07/22 15:28	07/07/22 17:30	1
o-Xylene	<0.000346	U	0.00201	0.000346	mg/Kg		07/07/22 15:28	07/07/22 17:30	1
Xylenes, Total	<0.00102	U	0.00402	0.00102	mg/Kg		07/07/22 15:28	07/07/22 17:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				07/07/22 15:28	07/07/22 17:30	1
1,4-Difluorobenzene (Surr)	91		70 - 130				07/07/22 15:28	07/07/22 17:30	1

## Method: 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			07/08/22 10:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	67.8		49.8	14.9	mg/Kg			07/08/22 13:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	47.2	J B	49.8	14.9	mg/Kg		07/05/22 14:48	07/07/22 13:11	1
Diesel Range Organics (Over C10-C28)	20.6	J	49.8	14.9	mg/Kg		07/05/22 14:48	07/07/22 13:11	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16557-1  
SDG: Eddy County NM

## Client Sample ID: S-5A

Lab Sample ID: 880-16557-3

Date Collected: 07/01/22 11:08

Matrix: Solid

Date Received: 07/01/22 16:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<14.9	U	49.8	14.9	mg/Kg		07/05/22 14:48	07/07/22 13:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				07/05/22 14:48	07/07/22 13:11	1
o-Terphenyl	106		70 - 130				07/05/22 14:48	07/07/22 13:11	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	147		4.98	0.855	mg/Kg			07/08/22 08:53	1

## Client Sample ID: S-9A

Lab Sample ID: 880-16557-4

Date Collected: 07/01/22 11:10

Matrix: Solid

Date Received: 07/01/22 16:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000388	U	0.00202	0.000388	mg/Kg		07/07/22 15:28	07/07/22 17:50	1
Toluene	0.000518	J	0.00202	0.000460	mg/Kg		07/07/22 15:28	07/07/22 17:50	1
Ethylbenzene	<0.000570	U	0.00202	0.000570	mg/Kg		07/07/22 15:28	07/07/22 17:50	1
m-Xylene & p-Xylene	<0.00102	U	0.00403	0.00102	mg/Kg		07/07/22 15:28	07/07/22 17:50	1
o-Xylene	<0.000347	U	0.00202	0.000347	mg/Kg		07/07/22 15:28	07/07/22 17:50	1
Xylenes, Total	<0.00102	U	0.00403	0.00102	mg/Kg		07/07/22 15:28	07/07/22 17:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				07/07/22 15:28	07/07/22 17:50	1
1,4-Difluorobenzene (Surr)	100		70 - 130				07/07/22 15:28	07/07/22 17:50	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00403	0.00102	mg/Kg			07/08/22 10:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	84.3		49.8	14.9	mg/Kg			07/08/22 13:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	46.9	J B	49.8	14.9	mg/Kg		07/05/22 14:48	07/07/22 13:32	1
Diesel Range Organics (Over C10-C28)	22.2	J	49.8	14.9	mg/Kg		07/05/22 14:48	07/07/22 13:32	1
Oil Range Organics (Over C28-C36)	15.2	J B	49.8	14.9	mg/Kg		07/05/22 14:48	07/07/22 13:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				07/05/22 14:48	07/07/22 13:32	1
o-Terphenyl	110		70 - 130				07/05/22 14:48	07/07/22 13:32	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.6		4.97	0.853	mg/Kg			07/08/22 09:02	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16557-1  
SDG: Eddy County NM

Client Sample ID: S-10A

Lab Sample ID: 880-16557-5

Date Collected: 07/01/22 11:12

Matrix: Solid

Date Received: 07/01/22 16:40

## Method: 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		07/07/22 10:17	07/07/22 13:00	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg		07/07/22 10:17	07/07/22 13:00	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		07/07/22 10:17	07/07/22 13:00	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg		07/07/22 10:17	07/07/22 13:00	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		07/07/22 10:17	07/07/22 13:00	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		07/07/22 10:17	07/07/22 13:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	07/07/22 10:17	07/07/22 13:00	1
1,4-Difluorobenzene (Surr)	103		70 - 130	07/07/22 10:17	07/07/22 13:00	1

## Method: 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			07/08/22 10:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	66.5		49.9	15.0	mg/Kg			07/08/22 13:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	44.9	J B	49.9	15.0	mg/Kg		07/05/22 14:48	07/07/22 13:54	1
Diesel Range Organics (Over C10-C28)	21.6	J	49.9	15.0	mg/Kg		07/05/22 14:48	07/07/22 13:54	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		07/05/22 14:48	07/07/22 13:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	07/05/22 14:48	07/07/22 13:54	1
o-Terphenyl	105		70 - 130	07/05/22 14:48	07/07/22 13:54	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.3		5.04	0.865	mg/Kg			07/08/22 09:11	1

Client Sample ID: S-12A

Lab Sample ID: 880-16557-6

Date Collected: 07/01/22 11:15

Matrix: Solid

Date Received: 07/01/22 16:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		07/07/22 10:17	07/07/22 13:20	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		07/07/22 10:17	07/07/22 13:20	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		07/07/22 10:17	07/07/22 13:20	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		07/07/22 10:17	07/07/22 13:20	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		07/07/22 10:17	07/07/22 13:20	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		07/07/22 10:17	07/07/22 13:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	07/07/22 10:17	07/07/22 13:20	1
1,4-Difluorobenzene (Surr)	99		70 - 130	07/07/22 10:17	07/07/22 13:20	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16557-1  
SDG: Eddy County NM

Client Sample ID: S-12A

Lab Sample ID: 880-16557-6

Date Collected: 07/01/22 11:15

Matrix: Solid

Date Received: 07/01/22 16:40

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00400	0.00101	mg/Kg			07/08/22 10:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	63.3		49.8	14.9	mg/Kg			07/08/22 13:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	44.0	J B	49.8	14.9	mg/Kg		07/05/22 14:48	07/07/22 14:16	1
Diesel Range Organics (Over C10-C28)	19.3	J	49.8	14.9	mg/Kg		07/05/22 14:48	07/07/22 14:16	1
OII Range Organics (Over C28-C36)	<14.9	U	49.8	14.9	mg/Kg		07/05/22 14:48	07/07/22 14:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				07/05/22 14:48	07/07/22 14:16	1
o-Terphenyl	99		70 - 130				07/05/22 14:48	07/07/22 14:16	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.2		4.95	0.850	mg/Kg			07/08/22 09:39	1

Client Sample ID: NSW-1

Lab Sample ID: 880-16557-7

Date Collected: 07/01/22 11:05

Matrix: Solid

Date Received: 07/01/22 16:40

## Method: 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		07/07/22 10:17	07/07/22 13:41	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		07/07/22 10:17	07/07/22 13:41	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		07/07/22 10:17	07/07/22 13:41	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		07/07/22 10:17	07/07/22 13:41	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		07/07/22 10:17	07/07/22 13:41	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		07/07/22 10:17	07/07/22 13:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				07/07/22 10:17	07/07/22 13:41	1
1,4-Difluorobenzene (Surr)	96		70 - 130				07/07/22 10:17	07/07/22 13:41	1

## Method: 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			07/08/22 10:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.3		49.9	15.0	mg/Kg			07/08/22 13:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	31.3	J B	49.9	15.0	mg/Kg		07/05/22 14:48	07/07/22 14:37	1
Diesel Range Organics (Over C10-C28)	21.0	J	49.9	15.0	mg/Kg		07/05/22 14:48	07/07/22 14:37	1

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Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16557-1  
SDG: Eddy County NM

Client Sample ID: NSW-1  
Date Collected: 07/01/22 11:05  
Date Received: 07/01/22 16:40

Lab Sample ID: 880-16557-7  
Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		07/05/22 14:48	07/07/22 14:37	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	93		70 - 130				07/05/22 14:48	07/07/22 14:37	1	
o-Terphenyl	98		70 - 130				07/05/22 14:48	07/07/22 14:37	1	

Method: 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	7.00		4.98	0.855	mg/Kg			07/08/22 09:48	1	



## Surrogate Summary

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16557-1  
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)
880-16557-1	S-1A	109	99
880-16557-2	S-2A	111	99
880-16557-3	S-5A	113	91
880-16557-4	S-9A	116	100
880-16557-5	S-10A	112	103
880-16557-5 MS	S-10A	111	103
880-16557-5 MSD	S-10A	108	98
880-16557-6	S-12A	109	99
880-16557-7	NSW-1	115	96
890-2475-A-1-G MS	Matrix Spike	110	102
890-2475-A-1-H MSD	Matrix Spike Duplicate	109	99
LCS 880-28904/1-A	Lab Control Sample	107	101
LCS 880-29191/1-A	Lab Control Sample	105	100
LCSD 880-28904/2-A	Lab Control Sample Dup	107	100
LCSD 880-29191/2-A	Lab Control Sample Dup	109	97
MB 880-28904/5-A	Method Blank	96	87
MB 880-29191/5-A	Method Blank	103	99
<b>Surrogate Legend</b>			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-16557-1	S-1A	112	118
880-16557-1 MS	S-1A	118	106
880-16557-1 MSD	S-1A	120	112
880-16557-2	S-2A	109	119
880-16557-3	S-5A	102	106
880-16557-4	S-9A	102	110
880-16557-5	S-10A	104	105
880-16557-6	S-12A	100	99
880-16557-7	NSW-1	93	98
LCS 880-29059/2-A	Lab Control Sample	101	97
LCSD 880-29059/3-A	Lab Control Sample Dup	89	89
MB 880-29059/1-A	Method Blank	116	125
<b>Surrogate Legend</b>			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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## QC Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16557-1  
SDG: Eddy County NM

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

Lab Sample ID: MB 880-28904/5-A

Matrix: Solid

Analysis Batch: 29172

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28904

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		07/01/22 15:28	07/07/22 12:00	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		07/01/22 15:28	07/07/22 12:00	1
Et9ylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		07/01/22 15:28	07/07/22 12:00	1
m-hylene X & hylene	<0.00101	U	0.00400	0.00101	mg/Kg		07/01/22 15:28	07/07/22 12:00	1
o-hylene	<0.000344	U	0.00200	0.000344	mg/Kg		07/01/22 15:28	07/07/22 12:00	1
hyleneTotal	<0.00101	U	0.00400	0.00101	mg/Kg		07/01/22 15:28	07/07/22 12:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	10		97 - 3/ 7	79273255 38:56	79279255 35:77	3
3,4-Difluorobenzene (Surr)	69		97 - 3/ 7	79273255 38:56	79279255 35:77	3

Lab Sample ID: LCS 880-28904/1-A

Matrix: Solid

Analysis Batch: 29172

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28904

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1014		mg/Kg		101	70 - 130
Toluene	0.100	0.0, 844		mg/Kg		, 8	70 - 130
Et9ylbenzene	0.100	0.102,		mg/Kg		103	70 - 130
m-hylene X & hylene	0.200	0.2124		mg/Kg		106	70 - 130
o-hylene	0.100	0.1048		mg/Kg		105	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	379		97 - 3/ 7
3,4-Difluorobenzene (Surr)	373		97 - 3/ 7

Lab Sample ID: LCSD 880-28904/2-A

Matrix: Solid

Analysis Batch: 29172

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 28904

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.104,		mg/Kg		105	70 - 130	3	35
Toluene	0.100	0.1030		mg/Kg		103	70 - 130	5	35
Et9ylbenzene	0.100	0.1077		mg/Kg		108	70 - 130	5	35
m-hylene X & hylene	0.200	0.2212		mg/Kg		111	70 - 130	4	35
o-hylene	0.100	0.10, 4		mg/Kg		10,	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	379		97 - 3/ 7
3,4-Difluorobenzene (Surr)	377		97 - 3/ 7

Lab Sample ID: 890-2475-A-1-G MS

Matrix: Solid

Analysis Batch: 29172

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 28904

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.000387	U	0.101	0.0, , 51		mg/Kg		, ,	70 - 130
Toluene	<0.00045,	U	0.101	0.0, 548		mg/Kg		, 5	70 - 130

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## QC Sample Results

Client: Talon/LPE

Job ID: 880-16557-1

Project/Site: Bellatrix 28 Fed 01H

SDG: Eddy County NM

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

Lab Sample ID: 890-2475-A-1-G MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 29172

Prep Batch: 28904

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Et9ylbenzene	<0.000568	U	0.101	0.0, 8, 2		mg/Kg		, 8	70 - 130
m-hylene X & hylene	<0.00102	U	0.202	0.2043		mg/Kg		101	70 - 130
o-hylene	<0.000346	U	0.101	0.100,		mg/Kg		100	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	337		97 - 3/ 7
3,4-Difluorobenzene (Surr)	375		97 - 3/ 7

Lab Sample ID: 890-2475-A-1-H MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 29172

Prep Batch: 28904

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	0.0, 182		mg/Kg		, 2	70 - 130	8	35
Toluene	<0.00045	U	0.100	0.08800		mg/Kg		88	70 - 130	8	35
Et9ylbenzene	<0.000568	U	0.100	0.08801		mg/Kg		88	70 - 130	12	35
m-hylene X & hylene	<0.00102	U	0.200	0.1817		mg/Kg		, 1	70 - 130	12	35
o-hylene	<0.000346	U	0.100	0.0, 018		mg/Kg		, 0	70 - 130	11	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	371		97 - 3/ 7
3,4-Difluorobenzene (Surr)	11		97 - 3/ 7

Lab Sample ID: MB 880-29191/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 29173

Prep Batch: 29191

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		07/07/22 10:17	07/07/22 12:31	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		07/07/22 10:17	07/07/22 12:31	1
Et9ylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		07/07/22 10:17	07/07/22 12:31	1
m-hylene X & hylene	<0.00101	U	0.00400	0.00101	mg/Kg		07/07/22 10:17	07/07/22 12:31	1
o-hylene	<0.000344	U	0.00200	0.000344	mg/Kg		07/07/22 10:17	07/07/22 12:31	1
hyleneTotal	<0.00101	U	0.00400	0.00101	mg/Kg		07/07/22 10:17	07/07/22 12:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	37/		97 - 3/ 7	792925 37:39	792925 35:/ 3	3
3,4-Difluorobenzene (Surr)	11		97 - 3/ 7	792925 37:39	792925 35:/ 3	3

Lab Sample ID: LCS 880-29191/1-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 29173

Prep Batch: 29191

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.0, 870		mg/Kg		, ,	70 - 130
Toluene	0.100	0.1043		mg/Kg		104	70 - 130
Et9ylbenzene	0.100	0.08, 58		mg/Kg		, 0	70 - 130
m-hylene X & hylene	0.200	0.1825		mg/Kg		, 1	70 - 130

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## QC Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16557-1  
SDG: Eddy County NM

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

Lab Sample ID: LCS 880-29191/1-A

Matrix: Solid

Analysis Batch: 29173

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29191

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-hylene	0.100	0.1042		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	378		97 - 3/ 7
3,4-Difluorobenzene (Surr)	377		97 - 3/ 7

Lab Sample ID: LCSD 880-29191/2-A

Matrix: Solid

Analysis Batch: 29173

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29191

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.0, 476		mg/Kg		, 5	70 - 130	4	35
Toluene	0.100	0.1077		mg/Kg		108	70 - 130	3	35
Et9ylbenzene	0.100	0.0, 471		mg/Kg		, 5	70 - 130	6	35
m-hylene X & hylene	0.200	0.1, 42		mg/Kg		, 7	70 - 130	6	35
o-hylene	0.100	0.1100		mg/Kg		110	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	371		97 - 3/ 7
3,4-Difluorobenzene (Surr)	19		97 - 3/ 7

Lab Sample ID: 880-16557-5 MS

Matrix: Solid

Analysis Batch: 29173

Client Sample ID: S-10A

Prep Type: Total/NA

Prep Batch: 29191

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.000383	U	0.101	0.0, 714		mg/Kg		, 6	70 - 130
Toluene	<0.000454	U	0.101	0.1018		mg/Kg		101	70 - 130
Et9ylbenzene	<0.000563	U	0.101	0.085, 1		mg/Kg		85	70 - 130
m-hylene X & hylene	<0.00101	U	0.202	0.1763		mg/Kg		87	70 - 130
o-hylene	<0.000343	U	0.101	0.0, , 5,		mg/Kg		, ,	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	333		97 - 3/ 7
3,4-Difluorobenzene (Surr)	37/		97 - 3/ 7

Lab Sample ID: 880-16557-5 MSD

Matrix: Solid

Analysis Batch: 29173

Client Sample ID: S-10A

Prep Type: Total/NA

Prep Batch: 29191

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.000383	U	0.100	0.0, 385		mg/Kg		, 4	70 - 130	3	35
Toluene	<0.000454	U	0.100	0.1051		mg/Kg		105	70 - 130	3	35
Et9ylbenzene	<0.000563	U	0.100	0.0, 028		mg/Kg		, 0	70 - 130	5	35
m-hylene X & hylene	<0.00101	U	0.200	0.1853		mg/Kg		, 2	70 - 130	5	35
o-hylene	<0.000343	U	0.100	0.1044		mg/Kg		104	70 - 130	5	35

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## QC Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16557-1  
SDG: Eddy County NM

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

Lab Sample ID: 880-16557-5 MSD

Matrix: Solid

Analysis Batch: 29173

Client Sample ID: S-10A

Prep Type: Total/NA

Prep Batch: 29191

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	376		97 - 3/ 7
3,4-Difluorobenzene (Surr)	16		97 - 3/ 7

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

Lab Sample ID: MB 880-29059/1-A

Matrix: Solid

Analysis Batch: 29169

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29059

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gapoline Oange Rrganicp (GORv-C6-C10	21.3,	J	50.0	15.0	mg/Kg		07/05/22 14:48	07/07/22 10:03	1	
Diepel Oange Rrganicp (R) er C10-C28v	<15.0	U	50.0	15.0	mg/Kg		07/05/22 14:48	07/07/22 10:03	1	
Rll Oange Rrganicp (R) er C28-C36v	23.10	J	50.0	15.0	mg/Kg		07/05/22 14:48	07/07/22 10:03	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
3-Chlorooctane	330		97 - 3/ 7				7927825 34:46	7927925 37:7/	3	
o-Terphenyl	358		97 - 3/ 7				7927825 34:46	7927925 37:7/	3	

Lab Sample ID: LCS 880-29059/2-A

Matrix: Solid

Analysis Batch: 29169

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29059

			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gapoline Oange Rrganicp (GORv-C6-C10			1000	1154		mg/Kg		115	70 - 130	
Diepel Oange Rrganicp (R) er C10-C28v			1000	, 76.2		mg/Kg		, 8	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
3-Chlorooctane	373		97 - 3/ 7							
o-Terphenyl	19		97 - 3/ 7							

Lab Sample ID: LCSD 880-29059/3-A

Matrix: Solid

Analysis Batch: 29169

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29059

			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gapoline Oange Rrganicp (GORv-C6-C10			1000	1074		mg/Kg		107	70 - 130	7	20
Diepel Oange Rrganicp (R) er C10-C28v			1000	887.6		mg/Kg		8,	70 - 130	10	20
Surrogate	%Recovery	Qualifier	Limits								
3-Chlorooctane	61		97 - 3/ 7								
o-Terphenyl	61		97 - 3/ 7								

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## QC Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16557-1  
SDG: Eddy County NM

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

Lab Sample ID: 880-16557-1 MS

Matrix: Solid

Analysis Batch: 29169

Client Sample ID: S-1A

Prep Type: Total/NA

Prep Batch: 29059

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gapoline Oange Rrganicp (GORv-C6-C10	2, .4	J B	, , ,	1188		mg/Kg		116	70 - 130
Diepel Oange Rrganicp (R) er C10-C28v	41.8	J	, , ,	1078		mg/Kg		104	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
3-Chlorooctane	336		97 - 3/ 7						
o-Terphenyl	370		97 - 3/ 7						

Lab Sample ID: 880-16557-1 MSD

Matrix: Solid

Analysis Batch: 29169

Client Sample ID: S-1A

Prep Type: Total/NA

Prep Batch: 29059

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gapoline Oange Rrganicp (GORv-C6-C10	2, .4	J B	, , 7	11, 0		mg/Kg		116	70 - 130	0	20
Diepel Oange Rrganicp (R) er C10-C28v	41.8	J	, , 7	1133		mg/Kg		10,	70 - 130	5	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
3-Chlorooctane	357		97 - 3/ 7								
o-Terphenyl	335		97 - 3/ 7								

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-28997/1-A

Matrix: Solid

Analysis Batch: 29213

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C9loride	<0.858	U	5.00	0.858	mg/Kg			07/08/22 07:48	1

Lab Sample ID: LCS 880-28997/2-A

Matrix: Solid

Analysis Batch: 29213

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C9loride	250	243.8		mg/Kg		, 8	, 0 - 110

Lab Sample ID: LCSD 880-28997/3-A

Matrix: Solid

Analysis Batch: 29213

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
C9loride	250	244.3		mg/Kg		, 8	, 0 - 110	0	20

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QC Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 880-16557-1  
SDG: Eddy County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-16557-1 MS										Client Sample ID: S-1A		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 29213												
	Sample	Sample	Spike	MS	MS				%Rec			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits			
C9loride	13.8		250	278.5		mg/Kg		106	, 0 - 110			

Lab Sample ID: 880-16557-1 MSD										Client Sample ID: S-1A		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 29213												
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
C9loride	13.8		250	285.2		mg/Kg		10,	, 0 - 110	2	20	



## QC Association Summary

Ex LGT: 2nii/ ToF H 3ny 01A

Job ID: 880-1655C-1  
GDd : SyyNI oM Tnr j

## GC VOA

**Prep Batch: 28904**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1655C-1	G-17	aoT ilr 7	Goiey	5045	
880-1655C-H	G-H7	aoT ilr 7	Goiey	5045	
880-1655C-4	G-57	aoT ilr 7	Goiey	5045	
880-1655C-9	G-h7	aoT ilr 7	Goiey	5045	
j 2 880-H8h09L5-7	j nKoy 2i/ t m	aoT ilr 7	Goiey	5045	
Pl G 880-H8h09L1-7	Pl b l ot Toi G/ p uin	aoT ilr 7	Goiey	5045	
Pl GD 880-H8h09LH-7	Pl b l ot Toi G/ p uin DMU	aoT ilr 7	Goiey	5045	
8h0-H8C5-7-1-d j G	j / ToF Guern	aoT ilr 7	Goiey	5045	
8h0-H8C5-7-1-A j GD	j / ToF Guern DMUe/ Th	aoT ilr 7	Goiey	5045	

**Analysis Batch: 29172**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1655C-1	G-17	aoT ilr 7	Goiey	80H12	H8h09L5-7
880-1655C-H	G-H7	aoT ilr 7	Goiey	80H12	H8h09L5-7
880-1655C-4	G-57	aoT ilr 7	Goiey	80H12	H8h09L5-7
880-1655C-9	G-h7	aoT ilr 7	Goiey	80H12	H8h09L5-7
j 2 880-H8h09L5-7	j nTKey 2i/ t m	aoT ilr 7	Goiey	80H12	H8h09L5-7
Pl G 880-H8h09L1-7	Pl b l ot Toi G/ p uin	aoT ilr 7	Goiey	80H12	H8h09L5-7
Pl GD 880-H8h09LH-7	Pl b l ot Toi G/ p uin DMU	aoT ilr 7	Goiey	80H12	H8h09L5-7
8h0-H9C5-7-1-d j G	j / ToF Guern	aoT ilr 7	Goiey	80H12	H8h09L5-7
8h0-H9C5-7-1-A j GD	j / ToF Guern DMUie/ Th	aoT ilr 7	Goiey	80H12	H8h09L5-7

**Analysis Batch: 29173**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1655C-5	G-107	aoT ilr 7	Goiey	80H12	Hh1h1
880-1655C-6	G-1H7	aoT ilr 7	Goiey	80H12	Hh1h1
880-1655C-C	r GW-1	aoT ilr 7	Goiey	80H12	Hh1h1
j 2 880-Hh1h1L5-7	j n Koy 2i/ t m	aoT ilr 7	Goiey	80H12	Hh1h1
Pl G 880-Hh1h1L1-7	Pl b l ot Tōi G/ p uin	aoT ilr 7	Goiey	80H12	Hh1h1
Pl GD 880-Hh1h1LH-7	Pl b l ot Tōi G/ p uin DMu	aoT ilr 7	Goiey	80H12	Hh1h1
880-1655C-5 j G	G-107	aoT ilr 7	Goiey	80H12	Hh1h1
880-1655C-5 j GD	G-107	aoT ilr 7	Goiey	80H12	Hh1h1

## Prep Batch: 29191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1655C-5	G-107	aoT ilr 7	Goiey	5045	
880-1655C-6	G-1H7	aoT ilr 7	Goiey	5045	
880-1655C-C	r GW-1	aoT ilr 7	Goiey	5045	
j 2 880-Hh1h1L5-7	j n'Koy 2i/ t m	aoT ilr 7	Goiey	5045	
Pl G 880-Hh1h1L1-7	Pl b l ot Tōi G/ p uin	aoT ilr 7	Goiey	5045	
Pl GD 880-Hh1h1LH-7	Pl b l ot Tōi G/ p uin DMu	aoT ilr 7	Goiey	5045	
880-1655C-5 j G	G-107	aoT ilr 7	Goiey	5045	
880-1655C-5 j GD	G-107	aoT ilr 7	Goiey	5045	

**Analysis Batch: 29273**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1655C-1	G-17	aoT ilr 7	Goiey	aoT i 2 aSf	
880-1655C-H	G-H7	aoT ilr 7	Goiey	aoT i 2 aSf	
880-1655C-4	G-57	aoT ilr 7	Goiey	aoT i 2 aSf	
880-1655C-9	G-h7	aoT ilr 7	Goiey	aoT i 2 aSf	
880-1655C-5	G-107	aoT ilr 7	Goiey	aoT i 2 aSf	

$$S_{\text{most}} = \sum_{j=1}^n X_j e^{y_j/t}$$



## QC Association Summary

Int Ta/lot IPES

Job ID: 880-1655C-1

Ex LGn: 2nii/ T F H 3ny 01A

GDd : SyyNI oM TNr j

## GC VOA (Continued)

## Analysis Batch: 29273 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1655C-6	G-1H7	aoT ilr 7	Goiey	aoT i 2aSf	
880-1655C-C	r GW-1	aoT ilr 7	Goiey	aoT i 2aSf	

## GC Semi VOA

## Prep Batch: 29059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1655C-1	G-17	aoT ilr 7	Goiey	8015r j Enu	
880-1655C-H	G-H7	aoT ilr 7	Goiey	8015r j Enu	
880-1655C-4	G-57	aoT ilr 7	Goiey	8015r j Enu	
880-1655C-9	G-h7	aoT ilr 7	Goiey	8015r j Enu	
880-1655C-5	G-107	aoT ilr 7	Goiey	8015r j Enu	
880-1655C-6	G-1H7	aoT ilr 7	Goiey	8015r j Enu	
880-1655C-C	r GW-1	aoT ilr 7	Goiey	8015r j Enu	
j 2 880-Hh05hL1-7	j nTroy 2i/ t m	aoT ilr 7	Goiey	8015r j Enu	
Pl G 880-Hh05hLH-7	Pl b l ot Tbi G/ p uin	aoT ilr 7	Goiey	8015r j Enu	
Pl GD 880-Hh05hL4-7	Pl b l ot Tbi G/ p uin DMu	aoT ilr 7	Goiey	8015r j Enu	
880-1655C-1 j G	G-17	aoT ilr 7	Goiey	8015r j Enu	
880-1655C-1 j GD	G-17	aoT ilr 7	Goiey	8015r j Enu	

## Analysis Batch: 29169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1655C-1	G-17	aoT ilr 7	Goiey	80152 r j	Hh05h
880-1655C-H	G-H7	aoT ilr 7	Goiey	80152 r j	Hh05h
880-1655C-4	G-57	aoT ilr 7	Goiey	80152 r j	Hh05h
880-1655C-9	G-h7	aoT ilr 7	Goiey	80152 r j	Hh05h
880-1655C-5	G-107	aoT ilr 7	Goiey	80152 r j	Hh05h
880-1655C-6	G-1H7	aoT ilr 7	Goiey	80152 r j	Hh05h
880-1655C-C	r GW-1	aoT ilr 7	Goiey	80152 r j	Hh05h
j 2 880-Hh05hL1-7	j nTroy 2i/ t m	aoT ilr 7	Goiey	80152 r j	Hh05h
Pl G 880-Hh05hLH-7	Pl b l ot Tbi G/ p uin	aoT ilr 7	Goiey	80152 r j	Hh05h
Pl GD 880-Hh05hL4-7	Pl b l ot Tbi G/ p uin DMu	aoT ilr 7	Goiey	80152 r j	Hh05h
880-1655C-1 j G	G-17	aoT ilr 7	Goiey	80152 r j	Hh05h
880-1655C-1 j GD	G-17	aoT ilr 7	Goiey	80152 r j	Hh05h

## Analysis Batch: 29305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1655C-1	G-17	aoT ilr 7	Goiey	8015 r j	
880-1655C-H	G-H7	aoT ilr 7	Goiey	8015 r j	
880-1655C-4	G-57	aoT ilr 7	Goiey	8015 r j	
880-1655C-9	G-h7	aoT ilr 7	Goiey	8015 r j	
880-1655C-5	G-107	aoT ilr 7	Goiey	8015 r j	
880-1655C-6	G-1H7	aoT ilr 7	Goiey	8015 r j	
880-1655C-C	r GW-1	aoT ilr 7	Goiey	8015 r j	

## HPLC/IC

## Leach Batch: 28997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1655C-1	G-17	GoiMbin	Goiey	DI Pn/ xk	
880-1655C-H	G-H7	GoiMbin	Goiey	DI Pn/ xk	
880-1655C-4	G-57	GoiMbin	Goiey	DI Pn/ xk	

SMost Xj q/i/ t y



## QC Association Summary

Client T a/ lot IPES

Job ID: 880-1655C-1

EcoBxTGAh: 2nii/ Td F H 3ny 01A

GDd : SyyNI oM T Nr j

## HPLC/IC (Continued)

## Leach Batch: 28997 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1655C-9	G-h7	GoiMbin	Goiq	DI Pn/ xk	
880-1655C-5	G-107	GoiMbin	Goiq	DI Pn/ xk	
880-1655C-6	G-1H7	GoiMbin	Goiq	DI Pn/ xk	
880-1655C-C	r GW-1	GoiMbin	Goiq	DI Pn/ xk	
j 2 880-H8hhQ1-7	j nTroy 2i/ t m	GoiMbin	Goiq	DI Pn/ xk	
Pl G 880-H8hhQ1H-7	Pl b l ot Ttoi G/ p uin	GoiMbin	Goiq	DI Pn/ xk	
Pl GD 880-H8hhQ4-7	Pl b l ot Ttoi G/ p uin DMu	GoiMbin	Goiq	DI Pn/ xk	
880-1655C-1 j G	G-17	GoiMbin	Goiq	DI Pn/ xk	
880-1655C-1 j GD	G-17	GoiMbin	Goiq	DI Pn/ xk	

## Analysis Batch: 29213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1655C-1	G-17	GoiMbin	Goiq	400.0	H8hhC
880-1655C-H	G-H7	GoiMbin	Goiq	400.0	H8hhC
880-1655C-4	G-57	GoiMbin	Goiq	400.0	H8hhC
880-1655C-9	G-h7	GoiMbin	Goiq	400.0	H8hhC
880-1655C-5	G-107	GoiMbin	Goiq	400.0	H8hhC
880-1655C-6	G-1H7	GoiMbin	Goiq	400.0	H8hhC
880-1655C-C	r GW-1	GoiMbin	Goiq	400.0	H8hhC
j 2 880-H8hhQ1-7	j nTroy 2i/ t m	GoiMbin	Goiq	400.0	H8hhC
Pl G 880-H8hhQ1H-7	Pl b l ot Ttoi G/ p uin	GoiMbin	Goiq	400.0	H8hhC
Pl GD 880-H8hhQ4-7	Pl b l ot Ttoi G/ p uin DMu	GoiMbin	Goiq	400.0	H8hhC
880-1655C-1 j G	G-17	GoiMbin	Goiq	400.0	H8hhC
880-1655C-1 j GD	G-17	GoiMbin	Goiq	400.0	H8hhC

SMost Xj q/ t y



## Lab Chronicle

Client: Talon/LPE  
 PjoeS/Bite: x ellatji2 F8 deH01G

Job ID: 880-1655r-1  
 BDY : EHNCohMtNp3

Client Sample ID: S-1A

Lab Sample ID: 880-16557-1

Date Collected: 07/01/22 11:00

Matrix: Solid

Date Received: 07/01/22 16:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/p 9	PjeR	5075			5g0 m	5 s L	F840.	0r /0r /FF 15:F8	3 X	AEp 3 ID
Total/p 9	9nalNnih	80F1x		1	5 s L	5 s L	F41r F	0r /0r /FF 16:. 4	9J	AEp 3 ID
Total/p 9	9nalNnih	Total x TEA		1			F4Fr 7	0r /08/FF 10:1r	9J	AEp 3 ID
Total/p 9	9nalNnih	8015 p3		1			F4705	0r /08/FF 17:1r	9J	AEp 3 ID
Total/p 9	PjeR	8015p3 PjeR			10g0F m	10 s L	F4054	0r /05/FF 1. :. 8	93	AEp 3 ID
Total/p 9	9nalNnih	8015x p3		1			F4164	0r /0r /FF 11:. 5	9J	AEp 3 ID
BolMble	LeaSu	DI LeaSu			5 m	50 s L	F844r	0r /05/FF 04:1F	CG	AEp 3 ID
BolMble	9nalNnih	700g0		1			F4F17	0r /08/FF 08:16	CG	AEp 3 ID

Client Sample ID: S-2A

Lab Sample ID: 880-16557-2

Date Collected: 07/01/22 11:02

Matrix: Solid

Date Received: 07/01/22 16:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/p 9	PjeR	5075			. g4 m	5 s L	F840.	0r /0r /FF 15:F8	3 X	AEp 3 ID
Total/p 9	9nalNnih	80F1x		1	5 s L	5 s L	F41r F	0r /0r /FF 1r:04	9J	AEp 3 ID
Total/p 9	9nalNnih	Total x TEA		1			F4Fr 7	0r /08/FF 10:1r	9J	AEp 3 ID
Total/p 9	9nalNnih	8015 p3		1			F4705	0r /08/FF 17:1r	9J	AEp 3 ID
Total/p 9	PjeR	8015p3 PjeR			10g01 m	10 s L	F4054	0r /05/FF 1. :. 8	93	AEp 3 ID
Total/p 9	9nalNnih	8015x p3		1			F4164	0r /0r /FF 1F:. 4	9J	AEp 3 ID
BolMble	LeaSu	DI LeaSu			5g01 m	50 s L	F844r	0r /05/FF 04:1F	CG	AEp 3 ID
BolMble	9nalNnih	700g0		1			F4F17	0r /08/FF 08:. .	CG	AEp 3 ID

Client Sample ID: S-5A

Lab Sample ID: 880-16557-3

Date Collected: 07/01/22 11:08

Matrix: Solid

Date Received: 07/01/22 16:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/p 9	PjeR	5075			. g4r m	5 s L	F840.	0r /0r /FF 15:F8	3 X	AEp 3 ID
Total/p 9	9nalNnih	80F1x		1	5 s L	5 s L	F41r F	0r /0r /FF 1r:70	9J	AEp 3 ID
Total/p 9	9nalNnih	Total x TEA		1			F4Fr 7	0r /08/FF 10:1r	9J	AEp 3 ID
Total/p 9	9nalNnih	8015 p3		1			F4705	0r /08/FF 17:1r	9J	AEp 3 ID
Total/p 9	PjeR	8015p3 PjeR			10g0. m	10 s L	F4054	0r /05/FF 1. :. 8	93	AEp 3 ID
Total/p 9	9nalNnih	8015x p3		1			F4164	0r /0r /FF 17:11	9J	AEp 3 ID
BolMble	LeaSu	DI LeaSu			5g0F m	50 s L	F844r	0r /05/FF 04:1F	CG	AEp 3 ID
BolMble	9nalNnih	700g0		1			F4F17	0r /08/FF 08:57	CG	AEp 3 ID

Client Sample ID: S-9A

Lab Sample ID: 880-16557-4

Date Collected: 07/01/22 11:10

Matrix: Solid

Date Received: 07/01/22 16:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/p 9	PjeR	5075			. g46 m	5 s L	F840.	0r /0r /FF 15:F8	3 X	AEp 3 ID
Total/p 9	9nalNnih	80F1x		1	5 s L	5 s L	F41r F	0r /0r /FF 1r:50	9J	AEp 3 ID
Total/p 9	9nalNnih	Total x TEA		1			F4Fr 7	0r /08/FF 10:1r	9J	AEp 3 ID

EMjofinh 3 iHanH



## Lab Chronicle

Client: Talon/LPE  
 PjoeS/Bite: x ellatji2 F8 deH01G

Job ID: 880-1655r-1  
 BDy : EHNCohMtNp 3

Client Sample ID: S-9A

Lab Sample ID: 880-16557-4

Date Collected: 07/01/22 11:10

Matrix: Solid

Date Received: 07/01/22 16:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/p 9	9nalNih	8015 p 3		1			F4705	0r/08/FF 17:1r	9J	AEp 3 ID
Total/p 9	PjeR	8015p 3 PjeR			10g5 m	10 s L	F4054	0r/05/FF 1.:. 8	93	AEp 3 ID
Total/p 9	9nalNih	8015x p 3		1			F4164	0r/0r/FF 17:7F	9J	AEp 3 ID
BolMble	LeaSu	DI LeaSu			5g7 m	50 s L	F844r	0r/05/FF 04:1F	CG	AEp 3 ID
BolMble	9nalNih	700g		1			F4F17	0r/08/FF 04:0F	CG	AEp 3 ID

Client Sample ID: S-10A

Lab Sample ID: 880-16557-5

Date Collected: 07/01/22 11:12

Matrix: Solid

Date Received: 07/01/22 16:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/p 9	PjeR	5075			5gF m	5 s L	F4141	0r/0r/FF 10:1r	EL	AEp 3 ID
Total/p 9	9nalNih	80F1x		1	5 s L	5 s L	F41r 7	0r/0r/FF 17:00	3 X	AEp 3 ID
Total/p 9	9nalNih	Total x TEA		1			F4Fr 7	0r/08/FF 10:1r	9J	AEp 3 ID
Total/p 9	9nalNih	8015 p 3		1			F4705	0r/08/FF 17:1r	9J	AEp 3 ID
Total/p 9	PjeR	8015p 3 PjeR			10gF m	10 s L	F4054	0r/05/FF 1.:. 8	93	AEp 3 ID
Total/p 9	9nalNih	8015x p 3		1			F4164	0r/0r/FF 17:5.	9J	AEp 3 ID
BolMble	LeaSu	DI LeaSu			. g6 m	50 s L	F844r	0r/05/FF 04:1F	CG	AEp 3 ID
BolMble	9nalNih	700g		1			F4F17	0r/08/FF 04:11	CG	AEp 3 ID

Client Sample ID: S-12A

Lab Sample ID: 880-16557-6

Date Collected: 07/01/22 11:15

Matrix: Solid

Date Received: 07/01/22 16:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/p 9	PjeR	5075			5g0 m	5 s L	F4141	0r/0r/FF 10:1r	EL	AEp 3 ID
Total/p 9	9nalNih	80F1x		1	5 s L	5 s L	F41r 7	0r/0r/FF 17:F0	3 X	AEp 3 ID
Total/p 9	9nalNih	Total x TEA		1			F4Fr 7	0r/08/FF 10:1r	9J	AEp 3 ID
Total/p 9	9nalNih	8015 p 3		1			F4705	0r/08/FF 17:1r	9J	AEp 3 ID
Total/p 9	PjeR	8015p 3 PjeR			10g. m	10 s L	F4054	0r/05/FF 1.:. 8	93	AEp 3 ID
Total/p 9	9nalNih	8015x p 3		1			F4164	0r/0r/FF 1.:16	9J	AEp 3 ID
BolMble	LeaSu	DI LeaSu			5g5 m	50 s L	F844r	0r/05/FF 04:1F	CG	AEp 3 ID
BolMble	9nalNih	700g		1			F4F17	0r/08/FF 04:74	CG	AEp 3 ID

Client Sample ID: NSW-1

Lab Sample ID: 880-16557-7

Date Collected: 07/01/22 11:05

Matrix: Solid

Date Received: 07/01/22 16:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/p 9	PjeR	5075			5g1 m	5 s L	F4141	0r/0r/FF 10:1r	EL	AEp 3 ID
Total/p 9	9nalNih	80F1x		1	5 s L	5 s L	F41r 7	0r/0r/FF 17:.: 1	3 X	AEp 3 ID
Total/p 9	9nalNih	Total x TEA		1			F4Fr 7	0r/08/FF 10:1r	9J	AEp 3 ID
Total/p 9	9nalNih	8015 p 3		1			F4705	0r/08/FF 17:1r	9J	AEp 3 ID
Total/p 9	PjeR	8015p 3 PjeR			10gF m	10 s L	F4054	0r/05/FF 1.:. 8	93	AEp 3 ID
Total/p 9	9nalNih	8015x p 3		1			F4164	0r/0r/FF 1.:7r	9J	AEp 3 ID

EMjofinh 3 iHanH



Lab Chronicle

Client: Talon/LPE  
PjoeS/Bite: x ellatji2 F8 deH01G

Job ID: 880-1655r -1  
BDy : EHNCohMtNp 3

Client Sample ID: NSW-1  
Date Collected: 07/01/22 11:05  
Date Received: 07/01/22 16:40

Lab Sample ID: 880-16557-7  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
BolMble	LeaSu	DI LeaSu			5gF m	50 s L	F844r	0r /05/FF 04:1F	CG	AEp 3 ID
BolMble	9nalNih	700g		1			F4F17	0r /08/FF 04:. 8	CG	AEp 3 ID

Laboratory References:

AEp 3 ID = EMofinh 3 iHanH, 1F11 WgdlojiHa 9ve, 3 iHanH, TA r 4r 01, TEL (. 7F)r 0. -5. . 0

- 1
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Accreditation/Certification Summary

Client: Talon/LPE  
PjoeS/Bite: x ellatji2 F8 deH01G

Job ID: 880-1655r-1  
BDy : EHNCMtNUs

Laboratory: Eurofins Midland

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Authority	Program	Identification Number	Expiration Date
Te2aw	UEL4P	T107r 07700-FF-F7	06-30-F3
T, e wlof ing analNewaje inSMhH in t, iwjepojtvbM t, e laboatojNiwnot SejtiúeHbNt, e go. ejning aM, ojitNA T, iwlwt maNinSMhH analNewuój f , iS, t, e agenSNHbewnot ouej SejtiúSationA			
4nalNiws et, oH	Pjep s et, oH	s atji2	4nalNe
8015 Us		BoliH	Total TPG
Total x TEX		BoliH	Total x TEX



## Method Summary

Ident T: a/ iot LPES

Ex Libris: 2nii/ To F H Why 014

Job ID: 880-1655C-1

GDd : SyyNI oM TNr j

Method	Method Description	Protocol	Laboratory
80H12	goi/ 1a mcp/ t α l ou soM y( )d l X	GV 806	ASr j ID
aoT i 2aSA	aoT i 2aSA l / ixM/ Tot	aRP GmE	ASr j ID
8015 r j	Dn(ni 3/ t pn mcp/ t α( )D3 mX)d l X	GV 806	ASr j ID
80152 r j	Dn(ni 3/ t pn mcp/ t α( )D3 mX)d l X	GV 806	ASr j ID
. 00,0	Rt ot (hlot l zœu / Tpd' szN	j l RV V	ASr j ID
50. 5	l io(ny GN Thu Etpn / ty ad' s	GV 806	ASr j ID
8015r j Ens	j œœonFb xTot	GV 806	ASr j ID
DI Ph/ xz	Dnœt œny V / ThcPh/ xzœ p EœœnyMn	RGaj	ASr j ID

### Protocol References:

$$RG_{aj} = \frac{RG_{aj}}{It_{Tnd} / T_{tot} / i}$$

j l RV V " fj nZoy( Vbcl znu α i Rt / iNf m7V / ThcRt y V / (ThfhSER-600LO-C9-0H0hj / αx 198. Rt y Gmb(nqMt T3 nvē et ( , GV 806 " fan(Tj nZoy( VbcsV/ iM B p Goig V / (ThEzN(α/ ill znu α/ i j nZoy(fhazey Syāet hr ovnu bnc1986 Rt y I T Usy/ Th( , aRP GmE " an(Ru nca/ P/ bod Tōm(hGT t y/ α msnd B p EoxnyMn

**Laboratory References:**

ASr j ID " SMo74 ( j ei/ t y h1H11 V , Woe/ Rvnhj ei/ t y haA C9001haSP)Q HX000-5000



## Sample Summary

Client: Talon/LPE  
Protocol: 2ellatdF H8 3ey 01A

Job ID: 880-1655S-1  
GDd : EyyNCoMhtNr j

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-1655S-1	G-14	Goliy	0S/01/HH 11:00	0S/01/HH 16:70
880-1655S-H	G-H4	Goliy	0S/01/HH 11:0H	0S/01/HH 16:70
880-1655S-9	G-54	Goliy	0S/01/HH 11:08	0S/01/HH 16:70
880-1655S-7	G-V4	Goliy	0S/01/HH 11:10	0S/01/HH 16:70
880-1655S-5	G-104	Goliy	0S/01/HH 11:1H	0S/01/HH 16:70
880-1655S-6	G-1H4	Goliy	0S/01/HH 11:15	0S/01/HH 16:70
880-1655S-S	r Gu -1	Goliy	0S/01/HH 11:05	0S/01/HH 16:70





Environment Testing  
Xenco

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

Chain of Custody



880-16557 Chain of Custody

Project Manager:	B. Taylor	Bill to: (if different)	Debra
Company Name:	Talon LPE	Company Name:	
Address:	408 W. Texas Ave	Address:	
City, State ZIP:	Arlington, NM	City, State ZIP:	
Phone:		Email:	

Program: <input type="checkbox"/> UST/PST <input type="checkbox"/> PPP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>			
State of Project:			
Reporting Level II <input type="checkbox"/>	Level III <input type="checkbox"/>	PST/UST <input type="checkbox"/>	TRRP <input type="checkbox"/>
Level IV <input type="checkbox"/>	Level V <input type="checkbox"/>	Level VI <input type="checkbox"/>	Level VII <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/>	Adapt <input type="checkbox"/>	Other <input type="checkbox"/>

Project Name:	Ballast v 28 Fed 61H	Turn Around	
Project Number:		<input type="checkbox"/> Routine <input type="checkbox"/> Rush	
Project Location:	Eddy Co. NM	Due Date:	
Sample's Name:	21055322	TAT starts the day received by the lab, if received by 4:30pm	
PO #			
SAMPLE RECEIPT	Temp Blank: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Wet Ice: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Samples Received Intact:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Thermometer ID:	12003
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Correction Factor:	0.2
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Temperature Reading:	4.6
Total Containers:		Corrected Temperature:	4.4
Sample Identification	Matrix	Date Sampled	Time Sampled
S-1A	S	9-1-22	11:00
S-2A	S		11:02
S-3A	S		11:08
S-4A	S		11:10
S-5A	S		11:12
S-6A	S		11:15
S-7A	S		11:15
S-8A	S		11:15
S-9A	S		11:15
S-10A	S		11:15
S-11A	S		11:15
S-12A	S		11:15
S-13A	S		11:15
S-14A	S		11:15
S-15A	S		11:15
S-16A	S		11:15
S-17A	S		11:15
S-18A	S		11:15
S-19A	S		11:15
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S-23A	S		11:15
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S-30A	S		11:15
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S-37A	S		11:15
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S-330A	S		11:15
S-331A	S		11:15
S-332A	S		11:15
S-333A	S		11:15
S-334A	S		11:15
S-335A	S		11:15
S-336A			



## Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 880-16557-1

SDG Number: Eddy County NM

Login Number: 16557

List Number: 1

Creator: Kramer, Jessica

List Source: Eurofins Midland

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





## Environment Testing America

### ANALYTICAL REPORT

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

Laboratory Job ID: 880-16699-1

Laboratory Sample Delivery Group: Eddy Co NM  
Client Project/Site: Bellatrix 28H Fed #1

**For:**

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

Attn: Kayla Taylor

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

Authorized for release by:  
7/11/2022 1:55:10 PM

Jessica Kramer, Project Manager  
(432)704-5440

[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)

#### LINKS

Review your project  
results through



Have a Question?



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[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

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

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



Client: Talon/LPE  
Project/Site: Bellatrix 28H Fed #1

Laboratory Job ID: 880-16699-1  
SDG: Eddy Co NM

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## Definitions/Glossary

Client: Talon/LPE  
Project/Site: Bellatrix 28H Fed #1

Job ID: 880-16699-1  
SDG: Eddy Co NM

## 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
*1	LCS/LCSD RPD exceeds control limits.
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.

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



## Case Narrative

Client: Talon/LPE  
Project/Site: Bellatrix 28H Fed #1

Job ID: 880-16699-1  
SDG: Eddy Co NM

**Job ID: 880-16699-1****Laboratory: Eurofins Midland****Narrative****Job Narrative  
880-16699-1****Receipt**

The sample was received on 7/8/2022 12:24 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.7°C

**GC VOA**

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

**GC Semi VOA**

Method 8015MOD\_NM: The method blank for preparation batch 880-29336 and analytical batch 880-29250 contained Gasoline Range Organics (GRO)-C6-C10 and Oil Range Organics (Over C28-C36) 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 RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-29336 and analytical batch 880-29250 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

Method 8015MOD\_NM: The matrix spike (MS) recoveries for preparation batch 880-29336 and analytical batch 880-29250 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

**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: Bellatrix 28H Fed #1

Job ID: 880-16699-1  
SDG: Eddy Co NM

Client Sample ID: SA-4

Lab Sample ID: 880-16699-1

Date Collected: 07/07/22 14:10

Matrix: Solid

Date Received: 07/08/22 12:24

Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00101	J	0.00201	0.000387	mg/Kg		07/08/22 14:51	07/09/22 21:34	1
Toluene	0.00269		0.00201	0.000459	mg/Kg		07/08/22 14:51	07/09/22 21:34	1
Ethylbenzene	0.00290		0.00201	0.000568	mg/Kg		07/08/22 14:51	07/09/22 21:34	1
m-Xylene & p-Xylene	0.00579		0.00402	0.00102	mg/Kg		07/08/22 14:51	07/09/22 21:34	1
o-Xylene	0.00844		0.00201	0.000346	mg/Kg		07/08/22 14:51	07/09/22 21:34	1
Xylenes, Total	0.0142		0.00402	0.00102	mg/Kg		07/08/22 14:51	07/09/22 21:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		97 - 137	79/70/22 145 1	79/78/22 2154	1
1,4-Difluorobenzene (Surr)	177		97 - 137	79/70/22 145 1	79/78/22 2154	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0208		0.00402	0.00102	mg/Kg			07/11/22 11:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	16.5	J	49.9	15.0	mg/Kg			07/11/22 10:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	49.9	15.0	mg/Kg		07/08/22 16:05	07/09/22 05:15	1
Diesel Range Organics (Over C10-C28)	16.5	J *1	49.9	15.0	mg/Kg		07/08/22 16:05	07/09/22 05:15	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		07/08/22 16:05	07/09/22 05:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-i Chlorohd ne	00		97 - 137	79/70/22 1a5:	79/78/22 7: 5:	1
o-TerpCenyl	09		97 - 137	79/70/22 1a5:	79/78/22 7: 5:	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	263		5.01	0.860	mg/Kg			07/09/22 22:32	1

Eurofins Midland



## Surrogate Summary

Client: Talon/LPE  
Project/Site: Bellatrix 28H Fed #1

Job ID: 880-16699-1  
SDG: Eddy Co 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)
880-16699-1	SA-4	118	100
880-16711-A-1-A MS	Matrix Spike	110	103
880-16711-A-1-B MSD	Matrix Spike Duplicate	117	99
LCS 880-29325/1-A	Lab Control Sample	105	102
LCSD 880-29325/2-A	Lab Control Sample Dup	104	103
MB 880-29325/5-A	Method Blank	99	90
<b>Surrogate Legend</b>			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-16697-A-21-F MS	Matrix Spike	78	73
880-16697-A-21-G MSD	Matrix Spike Duplicate	93	84
880-16699-1	SA-4	88	87
LCS 880-29336/2-A	Lab Control Sample	84	91
LCSD 880-29336/3-A	Lab Control Sample Dup	92	96
MB 880-29336/1-A	Method Blank	107	118
<b>Surrogate Legend</b>			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			



## QC Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28H Fed #1

Job ID: 880-16699-1  
SDG: Eddy Co NM

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

Lab Sample ID: MB 880-29325/5-A

Matrix: Solid

Analysis Batch: 29358

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29325

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		07/08/22 14:51	07/09/22 16:11	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		07/08/22 14:51	07/09/22 16:11	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		07/08/22 14:51	07/09/22 16:11	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		07/08/22 14:51	07/09/22 16:11	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		07/08/22 14:51	07/09/22 16:11	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		07/08/22 14:51	07/09/22 16:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	11		09 - 739	90/98/22 74:67	90/91/22 75:77	7
7,4-Difluorobenzene (Surr)	19		09 - 739	90/98/22 74:67	90/91/22 75:77	7

Lab Sample ID: LCS 880-29325/1-A

Matrix: Solid

Analysis Batch: 29358

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29325

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	0.1030		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.1059		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	0.200	0.2181		mg/Kg		109	70 - 130
o-Xylene	0.100	0.1087		mg/Kg		109	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	796		09 - 739
7,4-Difluorobenzene (Surr)	792		09 - 739

Lab Sample ID: LCSD 880-29325/2-A

Matrix: Solid

Analysis Batch: 29358

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29325

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1075		mg/Kg		108	70 - 130	1	35
Toluene	0.100	0.1027		mg/Kg		103	70 - 130	0	35
Ethylbenzene	0.100	0.1066		mg/Kg		107	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2198		mg/Kg		110	70 - 130	1	35
o-Xylene	0.100	0.1093		mg/Kg		109	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	794		09 - 739
7,4-Difluorobenzene (Surr)	793		09 - 739

Lab Sample ID: 880-16711-A-1-A MS

Matrix: Solid

Analysis Batch: 29358

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 29325

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.000383	U	0.0998	0.09215		mg/Kg		92	70 - 130
Toluene	0.00279		0.0998	0.08306		mg/Kg		80	70 - 130

Eurofins Midland



## QC Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28H Fed #1

Job ID: 880-16699-1  
SDG: Eddy Co NM

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

Lab Sample ID: 880-16711-A-1-A MS

Matrix: Solid

Analysis Batch: 29358

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 29325

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.00198	J	0.0998	0.07765		mg/Kg		76	70 - 130
m-Xylene & p-Xylene	0.00464		0.200	0.1581		mg/Kg		77	70 - 130
o-Xylene	0.00329		0.0998	0.07796		mg/Kg		75	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	779		09 - 739
7,4-Difluorobenzene (Surr)	793		09 - 739

Lab Sample ID: 880-16711-A-1-B MSD

Matrix: Solid

Analysis Batch: 29358

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 29325

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.000383	U	0.100	0.09015		mg/Kg		90	70 - 130	2	35
Toluene	0.00279		0.100	0.09061		mg/Kg		88	70 - 130	9	35
Ethylbenzene	0.00198	J	0.100	0.08857		mg/Kg		86	70 - 130	13	35
m-Xylene & p-Xylene	0.00464		0.200	0.1811		mg/Kg		88	70 - 130	14	35
o-Xylene	0.00329		0.100	0.08641		mg/Kg		83	70 - 130	10	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	770		09 - 739
7,4-Difluorobenzene (Surr)	11		09 - 739

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

Lab Sample ID: MB 880-29336/1-A

Matrix: Solid

Analysis Batch: 29250

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29336

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	37.85	J	50.0	15.0	mg/Kg		07/08/22 16:05	07/08/22 21:01	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		07/08/22 16:05	07/08/22 21:01	1
Oil Range Organics (Over C28-C36)	16.09	J	50.0	15.0	mg/Kg		07/08/22 16:05	07/08/22 21:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
7-Chlorooctane	790		09 - 739	90/98/22 75:96	90/98/22 27:97	7
o-Terphenyl	778		09 - 739	90/98/22 75:96	90/98/22 27:97	7

Lab Sample ID: LCS 880-29336/2-A

Matrix: Solid

Analysis Batch: 29250

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29336

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1037		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	1000	865.9		mg/Kg		87	70 - 130

Eurofins Midland



## QC Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28H Fed #1

Job ID: 880-16699-1  
SDG: Eddy Co NM

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

Lab Sample ID: LCS 880-29336/2-A

Matrix: Solid

Analysis Batch: 29250

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29336

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
7-Chlorooctane	84		09 - 739
o-Terphenyl	17		09 - 739

Lab Sample ID: LCSD 880-29336/3-A

Matrix: Solid

Analysis Batch: 29250

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29336

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1147		mg/Kg		115	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	1000	1074	*1	mg/Kg		107	70 - 130	21	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
7-Chlorooctane	12		09 - 739
o-Terphenyl	15		09 - 739

Lab Sample ID: 880-16697-A-21-F MS

Matrix: Solid

Analysis Batch: 29250

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 29336

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	32.0	J B	998	792.2		mg/Kg		76	70 - 130		
Diesel Range Organics (Over C10-C28)	<15.0	U F1 *1	998	621.6	F1	mg/Kg		62	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
7-Chlorooctane	08		09 - 739
o-Terphenyl	03		09 - 739

Lab Sample ID: 880-16697-A-21-G MSD

Matrix: Solid

Analysis Batch: 29250

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 29336

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	32.0	J B	997	901.4		mg/Kg		87	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	<15.0	U F1 *1	997	727.7		mg/Kg		73	70 - 130	16	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
7-Chlorooctane	13		09 - 739
o-Terphenyl	84		09 - 739

Eurofins Midland



## QC Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28H Fed #1

Job ID: 880-16699-1  
SDG: Eddy Co NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-29301/1-A

Matrix: Solid

Analysis Batch: 29393

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.858	U	5.00	0.858	mg/Kg			07/09/22 18:51	1

Lab Sample ID: LCS 880-29301/2-A

Matrix: Solid

Analysis Batch: 29393

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	225.7		mg/Kg		90	90 - 110

Lab Sample ID: LCSD 880-29301/3-A

Matrix: Solid

Analysis Batch: 29393

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	253.8		mg/Kg		102	90 - 110	12	20

Lab Sample ID: 880-16698-A-14-G MS

Matrix: Solid

Analysis Batch: 29393

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	14.5		250	267.3		mg/Kg		101	90 - 110

Lab Sample ID: 880-16698-A-14-H MSD

Matrix: Solid

Analysis Batch: 29393

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	14.5		250	268.9		mg/Kg		102	90 - 110	1	20



## QC Association Summary

Client: Talon/LPE  
Project/Site: Bellatrix 28H Fed #1

Job ID: 880-16699-1  
SDG: Eddy Co NM

## GC VOA

## Prep Batch: 29325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16699-1	SA-4	Total/NA	Solid	5035	
MB 880-29325/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-29325/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-29325/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-16711-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-16711-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

## Analysis Batch: 29358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16699-1	SA-4	Total/NA	Solid	8021B	29325
MB 880-29325/5-A	Method Blank	Total/NA	Solid	8021B	29325
LCS 880-29325/1-A	Lab Control Sample	Total/NA	Solid	8021B	29325
LCSD 880-29325/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	29325
880-16711-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	29325
880-16711-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	29325

## Analysis Batch: 29421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16699-1	SA-4	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Analysis Batch: 29250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16699-1	SA-4	Total/NA	Solid	8015B NM	29336
MB 880-29336/1-A	Method Blank	Total/NA	Solid	8015B NM	29336
LCS 880-29336/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	29336
LCSD 880-29336/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	29336
880-16697-A-21-F MS	Matrix Spike	Total/NA	Solid	8015B NM	29336
880-16697-A-21-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	29336

## Prep Batch: 29336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16699-1	SA-4	Total/NA	Solid	8015NM Prep	
MB 880-29336/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-29336/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-29336/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-16697-A-21-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-16697-A-21-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 29414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16699-1	SA-4	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 29301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16699-1	SA-4	Soluble	Solid	DI Leach	
MB 880-29301/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-29301/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-29301/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland



## QC Association Summary

Client: Talon/LPE  
Project/Site: Bellatrix 28H Fed #1

Job ID: 880-16699-1  
SDG: Eddy Co NM

## HPLC/IC (Continued)

## Leach Batch: 29301 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16698-A-14-G MS	Matrix Spike	Soluble	Solid	DI Leach	
880-16698-A-14-H MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

## Analysis Batch: 29393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16699-1	SA-4	Soluble	Solid	300.0	29301
MB 880-29301/1-A	Method Blank	Soluble	Solid	300.0	29301
LCS 880-29301/2-A	Lab Control Sample	Soluble	Solid	300.0	29301
LCSD 880-29301/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	29301
880-16698-A-14-G MS	Matrix Spike	Soluble	Solid	300.0	29301
880-16698-A-14-H MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	29301



Lab Chronicle

Client: Talon/LPE  
Project/Site: Bellatrix 28H Fed #1

Job ID: 880-16699-1  
SDG: Eddy Co NM

Client Sample ID: SA-4  
Date Collected: 07/07/22 14:10  
Date Received: 07/08/22 12:24

Lab Sample ID: 880-16699-1  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	29325	07/08/22 14:51	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29358	07/09/22 21:34	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29421	07/11/22 11:06	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29414	07/11/22 10:03	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29336	07/08/22 16:05	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29250	07/09/22 05:15	SM	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	29301	07/08/22 12:31	SMC	XEN MID
Soluble	Analysis	300.0		1			29393	07/09/22 22:32	CH	XEN MID

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



Accreditation/Certification Summary

Client: Talon/LPE  
Project/Site: Bellatrix 28H Fed #1

Job ID: 880-16699-1  
SDG: Eddy Co 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	T104704400-22-24	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

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



## Method Summary

Client: Talon/LPE  
Project/Site: Bellatrix 28H Fed #1

Job ID: 880-16699-1  
SDG: Eddy Co NM

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

## Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

## Laboratory References:

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



Sample Summary

Client: Talon/LPE  
Project/Site: Bellatrix 28H Fed #1

Job ID: 880-16699-1  
SDG: Eddy Co NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-16699-1	SA-4	Solid	07/07/22 14:10	07/08/22 12:24	4'

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





# neurotrophins

## Environmental Testing

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

## Chain of Custody

Work Order No: 16619

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Project Manager	Kathia Taylor		Bill to: (if different)	Daron
Company Name:	Talon LPE		Company Name:	
Address:	408 W. TEXAS AVE		Address:	
City, State ZIP:	ARRESTA, NM		City, State ZIP:	
Phone	432-210-5443	Email		



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

[illegible][illegible]

880-16699 Chain of Custody

Total 200.7 / 6010	200.8 / 6020:	
8RCRA	13PPM Texas 11	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn
TCLP / SPLP 6010	8RCRA	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg 1631 / 245 1 / 7470 / 7471

Notwithstanding to whom the samples are delivered, the client agrees to indemnify Eurofins Xeno, its affiliates and subcontractors, from and against all claims, damages, losses and expenses, including reasonable attorneys' fees, that may be incurred by Eurofins Xeno, its affiliates and subcontractors, in connection with the use of the samples, whether or not such claims, damages, losses and expenses are caused in whole or in part by the negligence of Eurofins Xeno, its affiliates and subcontractors. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xeno, but not analyzed. These terms will be enforced unless previously negotiated in writing. The client agrees to pay 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 Xeno. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xeno, but not analyzed. These terms will be enforced unless previously negotiated in writing.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
		7/8/22			
		12:24			



## Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 880-16655-1

SDG Number: Eddy Co NM

Login Number: 16699

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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  
America

## ANALYTICAL REPORT

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

Laboratory Job ID: 880-16700-1

Laboratory Sample Delivery Group: Eddy Co NM  
Client Project/Site: Bellatrix 28H Fed #1

For:

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

Attn: Kayla Taylor

Authorized for release by:

7/11/2022 1:54:16 PM

Jessica Kramer, Project Manager  
(432)704-5440

[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)

### LINKS

Review your project  
results through



Have a Question?



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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.



Client: Talon/LPE  
Project/Site: Bellatrix 28H Fed #1

Laboratory Job ID: 880-16700-1  
SDG: Eddy Co NM

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## Definitions/Glossary

Client: Talon/LPE  
Project/Site: Bellatrix 28H Fed #1

Job ID: 880-16700-1  
SDG: Eddy Co NM

## 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
*1	LCS/LCSD RPD exceeds control limits.
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.

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



## Case Narrative

Client: Talon/LPE  
Project/Site: Bellatrix 28H Fed #1

Job ID: 880-16900-1  
SDG: Eddy Co NM

**Job ID: 880-16700-1****Laboratory: Eurofins Midland****Narrative****Job Narrative  
880-16700-1****Receipt**

The samples were received on 9/8/2022 12:27 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 45°C.

**GC VOA**

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

**GC Semi VOA**

Method 801f M<sup>o</sup> DQNM: The method blank for preparation batch 880-2k336 and analytical batch 880-2k2f 0 contained Gasoline Range organics (GR<sup>o</sup>)-C6-C10 and <sup>o</sup> II Range organics (<sup>o</sup> ver C28-C36) 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 801f M<sup>o</sup> DQNM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-2k336 and analytical batch 880-2k2f 0 recovered outside control limits for the following analytes: Diesel Range organics (<sup>o</sup> ver C10-C28).

Method 801f M<sup>o</sup> DQNM: The matrix spike (MS) recoveries for preparation batch 880-2k336 and analytical batch 880-2k2f 0 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

**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: Bellatrix 28H Fed #1

Job ID: 880-16700-1  
SDG: Eddy Co NM

Client Sample ID: N-Comp

Lab Sample ID: 880-16700-1

Date Collected: 07/07/22 13:00

Matrix: Solid

Date Received: 07/08/22 12:24

## Method: 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		07/08/22 14:51	07/09/22 21:55	1
Toluene	0.00537		0.00199	0.000453	mg/Kg		07/08/22 14:51	07/09/22 21:55	1
Ethylbenzene	0.00135	J	0.00199	0.000562	mg/Kg		07/08/22 14:51	07/09/22 21:55	1
m-Xylene & p-Xylene	0.00752		0.00398	0.00100	mg/Kg		07/08/22 14:51	07/09/22 21:55	1
o-Xylene	0.00201		0.00199	0.000342	mg/Kg		07/08/22 14:51	07/09/22 21:55	1
Xylenes, Total	0.00953		0.00398	0.00100	mg/Kg		07/08/22 14:51	07/09/22 21:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	10		90 - 730	09/01/22 745 7	09/08/22 275 :	7
761-, fluorobenzene (Surr)	81		90 - 730	09/01/22 745 7	09/08/22 275 :	7

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0163		0.00398	0.00100	mg/Kg			07/11/22 11:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	73.9		50.0	15.0	mg/Kg			07/11/22 10:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	39.2	J B	50.0	15.0	mg/Kg		07/08/22 16:05	07/09/22 05:37	1
Diesel Range Organics (Over C10-C28)	19.3	J *1	50.0	15.0	mg/Kg		07/08/22 16:05	07/09/22 05:37	1
Oil Range Organics (Over C28-C36)	15.4	J B	50.0	15.0	mg/Kg		07/08/22 16:05	07/09/22 05:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
7-i Chlorohd ne	14		90 - 730	09/01/22 7a5	09/08/22 0: 59	7
o-TerpCenyl	17		90 - 730	09/01/22 7a5	09/08/22 0: 59	7

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.8		5.05	0.867	mg/Kg			07/09/22 22:40	1

Client Sample ID: S-Comp

Lab Sample ID: 880-16700-2

Date Collected: 07/07/22 13:45

Matrix: Solid

Date Received: 07/08/22 12:24

## Method: 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		07/08/22 14:51	07/09/22 22:15	1
Toluene	0.000741	J	0.00201	0.000459	mg/Kg		07/08/22 14:51	07/09/22 22:15	1
Ethylbenzene	<0.000568	U	0.00201	0.000568	mg/Kg		07/08/22 14:51	07/09/22 22:15	1
m-Xylene & p-Xylene	<0.00102	U	0.00402	0.00102	mg/Kg		07/08/22 14:51	07/09/22 22:15	1
o-Xylene	<0.000346	U	0.00201	0.000346	mg/Kg		07/08/22 14:51	07/09/22 22:15	1
Xylenes, Total	<0.00102	U	0.00402	0.00102	mg/Kg		07/08/22 14:51	07/09/22 22:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	702		90 - 730	09/01/22 745 7	09/08/22 225:	7
761-, fluorobenzene (Surr)	14		90 - 730	09/01/22 745 7	09/08/22 225:	7

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28H Fed #1

Job ID: 880-16700-1  
SDG: Eddy Co NM

Client Sample ID: S-Comp

Lab Sample ID: 880-16700-2

Date Collected: 07/07/22 13:45

Matrix: Solid

Date Received: 07/08/22 12:24

## Method: 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			07/11/22 11:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	68.3		50.0	15.0	mg/Kg			07/11/22 10:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	36.2	J B	50.0	15.0	mg/Kg		07/08/22 16:05	07/09/22 05:58	1
Diesel Range Organics (Over C10-C28)	17.1	J *1	50.0	15.0	mg/Kg		07/08/22 16:05	07/09/22 05:58	1
Oil Range Organics (Over C28-C36)	15.0	J B	50.0	15.0	mg/Kg		07/08/22 16:05	07/09/22 05:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
7-i Chlorohd ne	1a		90 - 730				09/01/22 7a5D	09/08/22 0: 5 1	7
o-TerpCenyl	83		90 - 730				09/01/22 7a5D	09/08/22 0: 5 1	7

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	323		5.03	0.863	mg/Kg			07/09/22 22:47	1



## Surrogate Summary

Client: Talon/LPE  
Project/Site: Bellatrix 28H Fed #1

Job ID: 880-16900-1  
SDG: Eddy Co 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)
880-16900-1	N-Co4 3	80	A8
880-16900-2	S-Co4 3	102	87
880-16911-k-1-k MS	Matrix S3iue	110	10p
880-16911-k-1-B MSD	Matrix S3iue D53licate	119	AA
LCS 880-2Ap2m1-k	Lab Control Sa4 3le	10m	102
LCSD 880-2Ap2m2-k	Lab Control Sa4 3le D53	107	10p
MB 880-2Ap2m1-k	Method Blau	AA	A0
<b>Surrogate Legend</b>			
BFB = 7-Bro4 of15orobenzene (S5rr)			
DFBZ = 1,7-Difl5orobenzene (S5rr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-166A9-k-21-F MS	Matrix S3iue	98	9p
880-166A9-k-21-G MSD	Matrix S3iue D53licate	Ap	87
880-16900-1	N-Co4 3	87	81
880-16900-2	S-Co4 3	86	Ap
LCS 880-2App6/2-k	Lab Control Sa4 3le	87	A1
LCSD 880-2App6/p-k	Lab Control Sa4 3le D53	A2	A6
MB 880-2App6/1-k	Method Blau	109	118
<b>Surrogate Legend</b>			
1CO = 1-Chlorooctane			
OTPH = o-Ter3henyl			

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## QC Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28H Fed #1

Job ID: 880-16900-1  
SDG: Eddy Co NM

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

Lab Sample ID: MB 880-29325/5-A

Matrix: Solid

Analysis Batch: 29358

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29325

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		09/08/22 17:51	09/04/22 16:11	1
Toluene	<0.000756	U	0.00200	0.000756	mg/Kg		09/08/22 17:51	09/04/22 16:11	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		09/08/22 17:51	09/04/22 16:11	1
m-Xylene & p-Xylene	<0.00101	U	0.00700	0.00101	mg/Kg		09/08/22 17:51	09/04/22 16:11	1
o-Xylene	<0.000377	U	0.00200	0.000377	mg/Kg		09/08/22 17:51	09/04/22 16:11	1
Xylenes, Total	<0.00101	U	0.00700	0.00101	mg/Kg		09/08/22 17:51	09/04/22 16:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	11		09 - 739	90/98/22 74:67	90/91/22 75:77	7
7,4-Difluorobenzene (Surr)	19		09 - 739	90/98/22 74:67	90/91/22 75:77	7

Lab Sample ID: LCS 880-29325/1-A

Matrix: Solid

Analysis Batch: 29358

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29325

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1065		mg/Kg		109	90 - 130
Toluene	0.100	0.1030		mg/Kg		103	90 - 130
Ethylbenzene	0.100	0.1054		mg/Kg		106	90 - 130
m-Xylene & p-Xylene	0.200	0.2181		mg/Kg		104	90 - 130
o-Xylene	0.100	0.1089		mg/Kg		104	90 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	796		09 - 739
7,4-Difluorobenzene (Surr)	792		09 - 739

Lab Sample ID: LCSD 880-29325/2-A

Matrix: Solid

Analysis Batch: 29358

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29325

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1095		mg/Kg		108	90 - 130	1	35
Toluene	0.100	0.1029		mg/Kg		103	90 - 130	0	35
Ethylbenzene	0.100	0.1066		mg/Kg		109	90 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2148		mg/Kg		110	90 - 130	1	35
o-Xylene	0.100	0.1043		mg/Kg		104	90 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	794		09 - 739
7,4-Difluorobenzene (Surr)	793		09 - 739

Lab Sample ID: 880-16711-A-1-A MS

Matrix: Solid

Analysis Batch: 29358

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 29325

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.000383	U	0.0448	0.04215		mg/Kg		42	90 - 130
Toluene	0.00294		0.0448	0.08306		mg/Kg		80	90 - 130

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## QC Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28H Fed #1

Job ID: 880-16900-1  
SDG: Eddy Co NM

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

Lab Sample ID: 880-16711-A-1-A MS

Matrix: Solid

Analysis Batch: 29358

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 29325

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.00148	J	0.0448	0.09965		mg/Kg		96	90 - 130
m-Xylene & p-Xylene	0.00767		0.200	0.1581		mg/Kg		99	90 - 130
o-Xylene	0.00324		0.0448	0.09946		mg/Kg		95	90 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	779		09 - 739
7,4-Difluorobenzene (Surr)	793		09 - 739

Lab Sample ID: 880-16711-A-1-B MSD

Matrix: Solid

Analysis Batch: 29358

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 29325

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.000383	U	0.100	0.04015		mg/Kg		40	90 - 130	2	35
Toluene	0.00294		0.100	0.04061		mg/Kg		88	90 - 130	4	35
Ethylbenzene	0.00148	J	0.100	0.08859		mg/Kg		86	90 - 130	13	35
m-Xylene & p-Xylene	0.00767		0.200	0.1811		mg/Kg		88	90 - 130	17	35
o-Xylene	0.00324		0.100	0.08671		mg/Kg		83	90 - 130	10	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	770		09 - 739
7,4-Difluorobenzene (Surr)	11		09 - 739

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

Lab Sample ID: MB 880-29336/1-A

Matrix: Solid

Analysis Batch: 29250

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29336

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	39.85	J	50.0	15.0	mg/Kg		09/08/22 16:05	09/08/22 21:01	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		09/08/22 16:05	09/08/22 21:01	1
Oil Range Organics (Over C28-C36)	16.04	J	50.0	15.0	mg/Kg		09/08/22 16:05	09/08/22 21:01	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
7-Chlorooctane	790		09 - 739	90/98/22 75:96	90/98/22 27:97	7
o-Terphenyl	778		09 - 739	90/98/22 75:96	90/98/22 27:97	7

Lab Sample ID: LCS 880-29336/2-A

Matrix: Solid

Analysis Batch: 29250

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29336

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1039		mg/Kg		107	90 - 130
Diesel Range Organics (Over C10-C28)	1000	865.4		mg/Kg		89	90 - 130

Eurofins Midland



## QC Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28H Fed #1

Job ID: 880-16900-1  
SDG: Eddy Co NM

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

Lab Sample ID: LCS 880-29336/2-A

Matrix: Solid

Analysis Batch: 29250

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29336

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
7-Chlorooctane	84		09 - 739
o-Terphenyl	17		09 - 739

Lab Sample ID: LCSD 880-29336/3-A

Matrix: Solid

Analysis Batch: 29250

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29336

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1179		mg/Kg		115	90 - 130	10	20
Diesel Range Organics (Over C10-C28)	1000	1097	*1	mg/Kg		109	90 - 130	21	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
7-Chlorooctane	12		09 - 739
o-Terphenyl	15		09 - 739

Lab Sample ID: 880-16697-A-21-F MS

Matrix: Solid

Analysis Batch: 29250

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 29336

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	32.0	J B	448	942.2		mg/Kg		96	90 - 130		
Diesel Range Organics (Over C10-C28)	<15.0	U F1 *1	448	621.6	F1	mg/Kg		62	90 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
7-Chlorooctane	08		09 - 739
o-Terphenyl	03		09 - 739

Lab Sample ID: 880-16697-A-21-G MSD

Matrix: Solid

Analysis Batch: 29250

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 29336

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	32.0	J B	449	401.7		mg/Kg		89	90 - 130	13	20
Diesel Range Organics (Over C10-C28)	<15.0	U F1 *1	449	929.9		mg/Kg		93	90 - 130	16	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
7-Chlorooctane	13		09 - 739
o-Terphenyl	84		09 - 739

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## QC Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28H Fed #1

Job ID: 880-16900-1  
SDG: Eddy Co NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-29301/1-A

Matrix: Solid

Analysis Batch: 29393

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.858	U	5.00	0.858	mg/Kg			09/04/22 18:51	1

Lab Sample ID: LCS 880-29301/2-A

Matrix: Solid

Analysis Batch: 29393

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	225.9		mg/Kg		40	40 - 110

Lab Sample ID: LCSD 880-29301/3-A

Matrix: Solid

Analysis Batch: 29393

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	253.8		mg/Kg		102	40 - 110	12	20

Lab Sample ID: 880-16698-A-14-G MS

Matrix: Solid

Analysis Batch: 29393

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	17.5		250	269.3		mg/Kg		101	40 - 110

Lab Sample ID: 880-16698-A-14-H MSD

Matrix: Solid

Analysis Batch: 29393

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	17.5		250	268.4		mg/Kg		102	40 - 110	1	20



## QC Association Summary

Client: Talon/LPE  
Project/Site: Bellatrix 28H Fed #1

Job ID: 880-16900-1  
SDG: Eddy Co NM

## GC VOA

## Prep Batch: 29325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16900-1	N-CoA 4	Total/Nh	Solid	5035	
880-16900-2	S-CoA 4	Total/Nh	Solid	5035	
MB 880-2k325/5-h	Metnød Blanp	Total/Nh	Solid	5035	
LCS 880-2k325/1-h	Lab Control SaA 4le	Total/Nh	Solid	5035	
LCSD 880-2k325/2-h	Lab Control SaA 4le Du4	Total/Nh	Solid	5035	
880-16911-h-1-h MS	Matrix S4ipe	Total/Nh	Solid	5035	
880-16911-h-1-B MSD	Matrix S4ipe Du4licate	Total/Nh	Solid	5035	

## Analysis Batch: 29358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16900-1	N-CoA 4	Total/Nh	Solid	8021B	2k325
880-16900-2	S-CoA 4	Total/Nh	Solid	8021B	2k325
MB 880-2k325/5-h	Metnød Blanp	Total/Nh	Solid	8021B	2k325
LCS 880-2k325/1-h	Lab Control SaA 4le	Total/Nh	Solid	8021B	2k325
LCSD 880-2k325/2-h	Lab Control SaA 4le Du4	Total/Nh	Solid	8021B	2k325
880-16911-h-1-h MS	Matrix S4ipe	Total/Nh	Solid	8021B	2k325
880-16911-h-1-B MSD	Matrix S4ipe Du4licate	Total/Nh	Solid	8021B	2k325

## Analysis Batch: 29422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16900-1	N-CoA 4	Total/Nh	Solid	Total BTE7	
880-16900-2	S-CoA 4	Total/Nh	Solid	Total BTE7	

## GC Semi VOA

## Analysis Batch: 29250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16900-1	N-CoA 4	Total/Nh	Solid	8015B NM	2k336
880-16900-2	S-CoA 4	Total/Nh	Solid	8015B NM	2k336
MB 880-2k336/1-h	Metnød Blanp	Total/Nh	Solid	8015B NM	2k336
LCS 880-2k336/2-h	Lab Control SaA 4le	Total/Nh	Solid	8015B NM	2k336
LCSD 880-2k336/3-h	Lab Control SaA 4le Du4	Total/Nh	Solid	8015B NM	2k336
880-166k9-h-21-F MS	Matrix S4ipe	Total/Nh	Solid	8015B NM	2k336
880-166k9-h-21-G MSD	Matrix S4ipe Du4licate	Total/Nh	Solid	8015B NM	2k336

## Prep Batch: 29336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16900-1	N-CoA 4	Total/Nh	Solid	8015NM Pre4	
880-16900-2	S-CoA 4	Total/Nh	Solid	8015NM Pre4	
MB 880-2k336/1-h	Metnød Blanp	Total/Nh	Solid	8015NM Pre4	
LCS 880-2k336/2-h	Lab Control SaA 4le	Total/Nh	Solid	8015NM Pre4	
LCSD 880-2k336/3-h	Lab Control SaA 4le Du4	Total/Nh	Solid	8015NM Pre4	
880-166k9-h-21-F MS	Matrix S4ipe	Total/Nh	Solid	8015NM Pre4	
880-166k9-h-21-G MSD	Matrix S4ipe Du4licate	Total/Nh	Solid	8015NM Pre4	

## Analysis Batch: 29415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16900-1	N-CoA 4	Total/Nh	Solid	8015 NM	
880-16900-2	S-CoA 4	Total/Nh	Solid	8015 NM	

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## QC Association Summary

Client: Talon/LPE  
Project/Site: Bellatrix 28H Fed #1

Job ID: 880-16900-1  
SDG: Eddy Co NM

## HPLC/IC

## Leach Batch: 29301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16900-1	N-CoA 4	Soluble	Solid	DI Leacm	
880-16900-2	S-CoA 4	Soluble	Solid	DI Leacm	
MB 880-2k301/1-h	Metnød Blanp	Soluble	Solid	DI Leacm	
LCS 880-2k301/2-h	Lab Control SaA 4le	Soluble	Solid	DI Leacm	
LCSD 880-2k301/3-h	Lab Control SaA 4le Du4	Soluble	Solid	DI Leacm	
880-166k8-h-1s-G MS	Matrix S4ipe	Soluble	Solid	DI Leacm	
880-166k8-h-1s-H MSD	Matrix S4ipe Du4licate	Soluble	Solid	DI Leacm	

## Analysis Batch: 29393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16900-1	N-CoA 4	Soluble	Solid	300.0	2k301
880-16900-2	S-CoA 4	Soluble	Solid	300.0	2k301
MB 880-2k301/1-h	Metnød Blanp	Soluble	Solid	300.0	2k301
LCS 880-2k301/2-h	Lab Control SaA 4le	Soluble	Solid	300.0	2k301
LCSD 880-2k301/3-h	Lab Control SaA 4le Du4	Soluble	Solid	300.0	2k301
880-166k8-h-1s-G MS	Matrix S4ipe	Soluble	Solid	300.0	2k301
880-166k8-h-1s-H MSD	Matrix S4ipe Du4licate	Soluble	Solid	300.0	2k301



## Lab Chronicle

Client: Talon/LPE  
Project/Site: Bellatrix 28H Fed #1

Job ID: 880-16900-1  
SDG: Eddy Co NM

Client Sample ID: N-Comp

Lab Sample ID: 880-16700-1

Date Collected: 07/07/22 13:00

Matrix: Solid

Date Received: 07/08/22 12:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	2X325	09/08/22 17:51	MR	4 EN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	2X358	09/0X/22 21:55	AJ	4 EN MID
Total/NA	Analysis	Total BTE4		1			2X722	09/11/22 11:06	SM	4 EN MID
Total/NA	Analysis	8015 NM		1			2X715	09/11/22 10:03	SM	4 EN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	2X336	09/08/22 16:05	AM	4 EN MID
Total/NA	Analysis	8015B NM		1			2X250	09/0X/22 05:39	SM	4 EN MID
Soluble	Leach	DI Leach			7.X5 g	50 mL	2X301	09/08/22 12:31	SMC	4 EN MID
Soluble	Analysis	300.0		1			2X3X3	09/0X/22 22:70	CH	4 EN MID

Client Sample ID: S-Comp

Lab Sample ID: 880-16700-2

Date Collected: 07/07/22 13:45

Matrix: Solid

Date Received: 07/08/22 12:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.X9 g	5 mL	2X325	09/08/22 17:51	MR	4 EN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	2X358	09/0X/22 22:15	AJ	4 EN MID
Total/NA	Analysis	Total BTE4		1			2X722	09/11/22 11:06	SM	4 EN MID
Total/NA	Analysis	8015 NM		1			2X715	09/11/22 10:03	SM	4 EN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	2X336	09/08/22 16:05	AM	4 EN MID
Total/NA	Analysis	8015B NM		1			2X250	09/0X/22 05:58	SM	4 EN MID
Soluble	Leach	DI Leach			7.X9 g	50 mL	2X301	09/08/22 12:31	SMC	4 EN MID
Soluble	Analysis	300.0		1			2X3X3	09/0X/22 22:79	CH	4 EN MID

## Laboratory References:

4 EN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (732)907-5770



Accreditation/Certification Summary

Client: Talon/LPE  
Project/Site: Bellatrix 28H Fed #1

Job ID: 880-16700-1  
SDG: Eddy Co 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	T104704400-22-24	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

1
2
3
4
5
6
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12
13
14



## Method Summary

Client: Talon/LPE  
Project/Site: Bellatrix 28H Fed #1

Job ID: 880-16900-1  
SDG: Eddy Co NM

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

**Protocol References:**

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-97-020, March 1983 And Subsequent Revisions.

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)904-5440



Sample Summary

Client: Talon/LPE  
Project/Site: Bellatrix 28H Fed #1

Job ID: 880-16700-1  
SDG: Eddy Co NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-16700-1	N-Comp	Solid	07/07/22 13:00	07/08/22 12:24
880-16700-2	S-Comp	Solid	07/07/22 13:45	07/08/22 12:24

- 1
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- 12
- 13
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# Environment Testing

Xenco

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 El Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296  
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

## Chain of Custody

Work Order No: 107100

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Project Manager:	Karla Taylor	Bill to (if different):	Dawn
Company Name:	Talon IPE	Company Name:	
Address:	408 W Texas Ave	Address:	
City, State ZIP:	Artesia, NM	City, State ZIP:	
Phone:	432-210-5443	Email:	

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

Project Name:	Bellatrix 384 Fal #1	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush 48 Hrs	Pts. Code		ANALYSIS REQUEST		Preservative Codes	
Project Number:	700794.395.61	Due Date:							None NO
Project Location:	Eddy Co, NM	TAT starts the day received by the lab, if received by 4:30pm							DI Water H <sub>2</sub> O
Sampler's Name:	K Taylor								Cool Cool
P.O. #	21005332								HCL HC
SAMPLE RECEIPT									H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub>
Samples Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				H <sub>3</sub> PO <sub>4</sub> HP
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Correction Factor:							NaHSO <sub>4</sub> NABIS
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Temperature Reading							Na <sub>2</sub> O <sub>3</sub> NaSO <sub>3</sub>
Total Containers:		Corrected Temperature:							Zn Acetate+NaOH Zn
									NaOH+Ascorbic Acid SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters
N-Comp	S	7-7-22	1300		C	1	TPH 8015M
S-Comp	S	7-7-22	1345		C	1	BTEX 8021
							Chlorides 300.0



880-16700 Chain of Custody

Total 200.7 / 6010	200.8 / 6020:	8RCRA 13PPM Texas 11	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> 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 / 2451 / 7470 / 7471

Note: 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
Karla Taylor	ATP	7/8/22			
		12:24			



## Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 880-16700-1

SDG Number: Eddy Co NM

Login Number: 16700

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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 America

### ANALYTICAL REPORT

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

Laboratory Job ID: 890-2767-1

Laboratory Sample Delivery Group: 700794.295.01

Client Project/Site: Bellatrix 28 Fed 01H

**For:**

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

Attn: Kayla Taylor

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

Authorized for release by:

8/22/2022 4:40:39 PM

Jessica Kramer, Project Manager  
(432)704-5440

[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)

#### LINKS

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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.



Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Laboratory Job ID: 890-2767-1  
SDG: 700794.295.01

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## Definitions/Glossary

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 890-2767-1  
SDG: 700794.295.01

## Qualifiers

## GC VOA

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

## GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
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.
S1-	Surrogate recovery exceeds control limits, low biased.

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



## Case Narrative

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 890-2767-1  
SDG: 700794.295.01

**Job ID: 890-2767-1****Laboratory: Eurofins Carlsbad****Narrative****Job Narrative  
890-2767-1****Receipt**

The sample was received on 8/17/2022 3:48 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.2°C

**GC VOA**

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

**GC Semi VOA**

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: S-35 (890-2767-1), (890-2767-A-1-C MS) and (890-2767-A-1-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: The method blank for preparation batch 880-32542 and analytical batch 880-32551 contained Gasoline Range Organics (GRO)-C6-C10, Diesel Range Organics (Over C10-C28) and Oil Range Organics (Over C28-C36) 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) recoveries for preparation batch 880-32542 and analytical batch 880-32551 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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: Bellatrix 28 Fed 01H

Job ID: 890-2767-1  
SDG: 700794.295.01

Client Sample ID: S-35

Lab Sample ID: 890-2767-1

Date Collected: 08/08/22 10:30

Matrix: Solid

Date Received: 08/17/22 15:48

Sample Depth: 0

## Method: 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		08/20/22 11:55	08/22/22 10:26	1
Toluene	<0.000457	U	0.00200	0.000457	mg/Kg		08/20/22 11:55	08/22/22 10:26	1
Ethylbenzene	<0.000566	U	0.00200	0.000566	mg/Kg		08/20/22 11:55	08/22/22 10:26	1
m-Xylene & p-Xylene	<0.00101	U	0.00401	0.00101	mg/Kg		08/20/22 11:55	08/22/22 10:26	1
o-Xylene	<0.000345	U	0.00200	0.000345	mg/Kg		08/20/22 11:55	08/22/22 10:26	1
Xylenes, Total	<0.00101	U	0.00401	0.00101	mg/Kg		08/20/22 11:55	08/22/22 10:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	10		97 - 307	71/27/22 335 :	71/22/22 3728	3
3,4-Difluorobenzene (Surr)	370		97 - 307	71/27/22 335 :	71/22/22 3728	3

## Method: 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			08/22/22 14:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	90.7		50.0	15.0	mg/Kg			08/22/22 13:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	15.1	J B F1	50.0	15.0	mg/Kg		08/19/22 17:44	08/20/22 21:18	1
Diesel Range Organics (Over C10-C28)	48.7	J B F1	50.0	15.0	mg/Kg		08/19/22 17:44	08/20/22 21:18	1
Oil Range Organics (Over C28-C36)	26.9	J B	50.0	15.0	mg/Kg		08/19/22 17:44	08/20/22 21:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
3-methylphenol	2	S3-	97 - 307	71/3a/22 3954	71/27/22 2351	3
o-Terphenyl	0	S3-	97 - 307	71/3a/22 3954	71/27/22 2351	3

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.3		4.99	0.857	mg/Kg			08/19/22 21:54	1

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## Surrogate Summary

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 890-2767-1  
SDG: 700794.295.01

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-2767-1	S-35	83	103
LCS 880-32565/1-A	Lab Control Sample	106	104
LCSD 880-32565/2-A	Lab Control Sample Dup	109	94
MB 880-32563/5-A	Method Blank	79	116
MB 880-32565/5-A	Method Blank	79	115
<b>Surrogate Legend</b>			
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)
890-2767-1	S-35	2 S1-	3 S1-
890-2767-1 MS	S-35	1 S1-	2 S1-
890-2767-1 MSD	S-35	1 S1-	2 S1-
LCS 880-32542/2-A	Lab Control Sample	84	84
LCSD 880-32542/3-A	Lab Control Sample Dup	97	99
MB 880-32542/1-A	Method Blank	72	74
<b>Surrogate Legend</b>			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			



## QC Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 890-2767-1  
SDG: 700794.295.01

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

Lab Sample ID: MB 880-32563/5-A

Matrix: Solid

Analysis Batch: 32572

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 32563

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		08/20/22 11:38	08/21/22 15:32	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		08/20/22 11:38	08/21/22 15:32	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		08/20/22 11:38	08/21/22 15:32	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		08/20/22 11:38	08/21/22 15:32	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		08/20/22 11:38	08/21/22 15:32	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		08/20/22 11:38	08/21/22 15:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	10		19 - 739	9/ 25925 778/	9/ 25725 7: 85	7
7,4-Difluorobenzene (Surr)	776		19 - 739	9/ 25925 778/	9/ 25725 7: 85	7

Lab Sample ID: MB 880-32565/5-A

Matrix: Solid

Analysis Batch: 32572

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 32565

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		08/20/22 11:55	08/22/22 03:08	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		08/20/22 11:55	08/22/22 03:08	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		08/20/22 11:55	08/22/22 03:08	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		08/20/22 11:55	08/22/22 03:08	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		08/20/22 11:55	08/22/22 03:08	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		08/20/22 11:55	08/22/22 03:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	10		19 - 739	9/ 25925 778 :	9/ 25255 938/	7
7,4-Difluorobenzene (Surr)	77:		19 - 739	9/ 25925 778 :	9/ 25255 938/	7

Lab Sample ID: LCS 880-32565/1-A

Matrix: Solid

Analysis Batch: 32572

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 32565

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09644		mg/Kg		96	70 - 130
Toluene	0.100	0.1021		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.1024		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	0.200	0.1900		mg/Kg		95	70 - 130
o-Xylene	0.100	0.1026		mg/Kg		103	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	796		19 - 739
7,4-Difluorobenzene (Surr)	794		19 - 739

Lab Sample ID: LCSD 880-32565/2-A

Matrix: Solid

Analysis Batch: 32572

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 32565

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.08950		mg/Kg		89	70 - 130	7	35

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## QC Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 890-2767-1  
SDG: 700794.295.01

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

Lab Sample ID: LCSD 880-32565/2-A

Matrix: Solid

Analysis Batch: 32572

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 32565

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.1074		mg/Kg		107	70 - 130	5	35
Ethylbenzene	0.100	0.1108		mg/Kg		111	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2083		mg/Kg		104	70 - 130	9	35
o-Xylene	0.100	0.1122		mg/Kg		112	70 - 130	9	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	790		19 - 739
7,4-Difluorobenzene (Surr)	04		19 - 739

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

Lab Sample ID: MB 880-32542/1-A

Matrix: Solid

Analysis Batch: 32551

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 32542

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	15.86	J	50.0	15.0	mg/Kg		08/19/22 17:44	08/20/22 20:12	1
Diesel Range Organics (Over C10-C28)	44.82	J	50.0	15.0	mg/Kg		08/19/22 17:44	08/20/22 20:12	1
Oil Range Organics (Over C28-C36)	24.31	J	50.0	15.0	mg/Kg		08/19/22 17:44	08/20/22 20:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
7-Chlorooctane	15		19 - 739	9/ 2025 7184	9/ 2525 5985	7
o-Terphenyl	14		19 - 739	9/ 2025 7184	9/ 2525 5985	7

Lab Sample ID: LCS 880-32542/2-A

Matrix: Solid

Analysis Batch: 32551

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 32542

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	721.7		mg/Kg		72	70 - 130
Diesel Range Organics (Over C10-C28)	1000	785.3		mg/Kg		79	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
7-Chlorooctane	/ 4		19 - 739
o-Terphenyl	/ 4		19 - 739

Lab Sample ID: LCSD 880-32542/3-A

Matrix: Solid

Analysis Batch: 32551

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 32542

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	812.5		mg/Kg		81	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	1000	905.4		mg/Kg		91	70 - 130	14	20

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## QC Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 890-2767-1  
SDG: 700794.295.01

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

Lab Sample ID: LCSD 880-32542/3-A

Matrix: Solid

Analysis Batch: 32551

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 32542

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
7-Chlorooctane	01		19 - 739
o-Terphenyl	00		19 - 739

Lab Sample ID: 890-2767-1 MS

Matrix: Solid

Analysis Batch: 32551

Client Sample ID: S-35

Prep Type: Total/NA

Prep Batch: 32542

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	15.1	J B F1	997	27.11	J F1	mg/Kg		1	70 - 130	
Diesel Range Organics (Over C10-C28)	48.7	J B F1	997	45.54	J F1	mg/Kg		-0.3	70 - 130	
Surrogate	%Recovery	Qualifier	Limits	MS	MS					
7-Chlorooctane	7	S7-	19 - 739							
o-Terphenyl	5	S7-	19 - 739							

Lab Sample ID: 890-2767-1 MSD

Matrix: Solid

Analysis Batch: 32551

Client Sample ID: S-35

Prep Type: Total/NA

Prep Batch: 32542

	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	15.1	J B F1	995	24.68	J F1	mg/Kg		1	70 - 130	9	20	
Diesel Range Organics (Over C10-C28)	48.7	J B F1	995	46.85	J F1	mg/Kg		-0.2	70 - 130	3	20	
Surrogate	%Recovery	Qualifier	Limits	MSD	MSD							
7-Chlorooctane	7	S7-	19 - 739									
o-Terphenyl	5	S7-	19 - 739									

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-32421/1-A

Matrix: Solid

Analysis Batch: 32603

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Chloride	<0.858	U	5.00	0.858	mg/Kg			08/19/22 18:49		1

Lab Sample ID: LCS 880-32421/2-A

Matrix: Solid

Analysis Batch: 32603

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	250	246.0		mg/Kg		98	90 - 110		

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QC Sample Results

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 890-2767-1  
SDG: 700794.295.01

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-32421/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 32603											
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	250	242.2		mg/Kg		97	90 - 110	2	20		



## QC Association Summary

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 890-2767-1  
SDG: 700794.295.01

## GC VOA

## Prep Batch: 28902

4aL Sample II	Client Sample II	Prep Dype	T atriM	T ethox	Prep Batch
MB 880-32563/5-A	Method Blank	Total/NA	Solid	5035	

## Prep Batch: 28909

4aL Sample II	Client Sample II	Prep Dype	T atriM	T ethox	Prep Batch
890-2767-1	S-35	Total/NA	Solid	5035	
MB 880-32565/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-32565/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-32565/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

## Analysis Batch: 289d8

4aL Sample II	Client Sample II	Prep Dype	T atriM	T ethox	Prep Batch
890-2767-1	S-35	Total/NA	Solid	8021B	32565
MB 880-32563/5-A	Method Blank	Total/NA	Solid	8021B	32563
MB 880-32565/5-A	Method Blank	Total/NA	Solid	8021B	32565
LCS 880-32565/1-A	Lab Control Sample	Total/NA	Solid	8021B	32565
LCSD 880-32565/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	32565

## Analysis Batch: 28017

4aL Sample II	Client Sample II	Prep Dype	T atriM	T ethox	Prep Batch
890-2767-1	S-35	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 28938

4aL Sample II	Client Sample II	Prep Dype	T atriM	T ethox	Prep Batch
890-2767-1	S-35	Total/NA	Solid	8015NM Prep	
MB 880-32542/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-32542/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-32542/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2767-1 MS	S-35	Total/NA	Solid	8015NM Prep	
890-2767-1 MSD	S-35	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 2899(

4aL Sample II	Client Sample II	Prep Dype	T atriM	T ethox	Prep Batch
890-2767-1	S-35	Total/NA	Solid	8015B NM	32542
MB 880-32542/1-A	Method Blank	Total/NA	Solid	8015B NM	32542
LCS 880-32542/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	32542
LCSD 880-32542/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	32542
890-2767-1 MS	S-35	Total/NA	Solid	8015B NM	32542
890-2767-1 MSD	S-35	Total/NA	Solid	8015B NM	32542

## Analysis Batch: 28009

4aL Sample II	Client Sample II	Prep Dype	T atriM	T ethox	Prep Batch
890-2767-1	S-35	Total/NA	Solid	8015 NM	

## ) P4C5C

## 4each Batch: 2838(

4aL Sample II	Client Sample II	Prep Dype	T atriM	T ethox	Prep Batch
890-2767-1	S-35	Soluble	Solid	DI Leach	
MB 880-32421/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-32421/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 890-2767-1  
SDG: 700794.295.01

) P4C5C 6ContinuexH

4each Batch: 2838( 6ContinuexH

4aL Sample II	Client Sample II	Prep Dype	T atriM	T ethox	Prep Batch
LCSD 880-32421/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 280/ 2

4aL Sample II	Client Sample II	Prep Dype	T atriM	T ethox	Prep Batch
890-2767-1	S-35	Soluble	Solid	300.0	32421
MB 880-32421/1-A	Method Blank	Soluble	Solid	300.0	32421
LCS 880-32421/2-A	Lab Control Sample	Soluble	Solid	300.0	32421
LCSD 880-32421/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	32421



Lab Chronicle

Client: Talon/LPE  
Process Site: 2ellatdF68 deH-j G

Job ID: 80- 165r 51j  
x Dy : 5-- 50NM0pMj

Client Sample ID: S-35  
Date Collected: 08/08/22 10:30  
Date Received: 08/17/22 15:48

Lab Sample ID: 890-2767-1  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/A4	Pæ3	p- Rp			N00 .	p 9 L	R6pr p	- 8/6- /66 j j :pp	7 X	EET 7 ID
Total/A4	4 nalgnim	8- 6j 2		j	p 9 L	p 9 L	R6p56	- 8/66/66 j - :6r	7 X	EET 7 ID
Total/A4	4 nalgnim	Total 2TEs		j			R6r 08	- 8/66/66 j NRp	x7	EET 7 ID
Total/A4	4 nalgnim	8- j p A7		j			R6r r p	- 8/66/66 j R60	x7	EET 7 ID
Total/A4	Pæ3	8- j pA7 Pæ3			j - Mj .	j - 9 L	R6pN6	- 8/j 0/66 j 5:NN	D7	EET 7 ID
Total/A4	4 nalgnim	8- j p2 A7		j			R6ppj	- 8/6- /66 6j :j 8	x7	EET 7 ID
x oluble	LeaBh	DI LeaBh			pMj .	p- 9 L	R6N6j	- 8/j 8/66 j - :R8	CG	EET 7 ID
x oluble	4 nalgnim	R- - M		j			R6r - R	- 8/j 0/66 6j :pN	CG	EET 7 ID

Laboratory References:  
EET 7 ID f Euω+nm7 iHanH j 6j j WMllo dHa 4ve, 7 iHanH, Ts 505- j , TEL (NR6)5- NpNN-



Accreditation/Certification Summary

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 890-2767-1  
SDG: 700794.295.01

Laboratory: Eurofins Midland

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

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

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



Method Summary

i a Ta / LTESG  
Sjot Bdr : xt aLj 2 68 Ft H- I W

Job ID: 80- 165C51  
dDy : 5- - 50NM0r MI

Method	Method Description	Protocol	Laboratory
8- 6l x	Vod a OjgLTrBi ompouTHs (y i )	d4 8NC	GG/ XID
/ o dLex/ GR	/ o dLex/ GR i L d u d a o T	/ AE d OS	GG/ XID
8- l r 3X	Drt st e. LTgt OjgLTrBs (D. O) (y i )	d4 8NC	GG/ XID
8- l r x 3X	Drt st e. LTgt OjgLTrBs (D. O) (y i )	d4 8NC	GG/ XID
, - - M	AToTshloT i zjomLaogjLpz=	Xi A4 4	GG/ XID
r - , r	i eost Hd=s a m Sujgt LTH/ jLp	d4 8NC	GG/ XID
8- l r 3X Sjtp	X r j o t 2 g L B a o T	d4 8NC	GG/ XID
DI Et LBz	Dt r o T r t H4 L a j Et LBz r t g SjoB Hujt	Ad/ X	GG/ XID

Protocol References:

Ad/ X f Ad/ X ITa j TL a o TLe  
Xi A4 4 f 7Xt a o Hs Foj i zt m r l eATL e s s O94 L a j ATH4 L s a s 7 h GSA 1 C - - R N 501- 6- hX L j Bz I 08, ATH dubst qut Ta. t v r s o T s M  
d4 8NC f 7/ t s a X t a o Hs Foj Gv L a L a T g d o a H4 L s a h S z = s r l e p z t m r l e X t a o Hs 7 h/ z j H G H a o T h 3 o v t m b t j I 08 CATH l a s U p H L a s M  
/ AE d OS f / t s a A m t j r l E L b o j L a o j r t s h d d T H j H O p t j L a T g S j o B H u j t

Laboratory References:

GG/ XID f Gujo9T s X r t h T H l 6 l I 4 M f o j r t L A v t h X r t h T H / R 505- I h/ GE (N, 6) 5- N r N N



Sample Summary

Client: Talon/LPE  
Project/Site: Bellatrix 28 Fed 01H

Job ID: 890-2767-1  
SDG: 700794.295.01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2767-1	S-35	Solid	08/08/22 10:30	08/17/22 15:48	0

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





Environment Testing  
Xenco

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) 986-3199

Chain of Custody

Work Order No: \_\_\_\_\_

www.xenco.com Page 1 of 1

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

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

Project Name:	Bellatrix 28 Fed 01H	Turn Around	Pres. Code	ANALYSIS REQUEST																Preservative Codes												
Project Number:	700794.295.01	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush																		None: NO	DI Water: H <sub>2</sub> O											
Project Location:	Eddy County, NM	Due Date:	2 Day																	Cool: Cool	MeOH: Me											
Sampler's Name:	M. Gomez	TAT starts the day received by the lab, if received by 4:30pm																		HCL: HC	HNO <sub>3</sub> : HN											
PO #:	21005322																			H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na											
SAMPLE RECEIPT				Temp Blank:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Wet Ice:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																	H <sub>3</sub> PO <sub>4</sub> : HP								
Samples Received Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Thermometer ID:	100007																	NaHSO <sub>4</sub> : NABIS												
Cooler Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Correction Factor:	-0.2																	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>												
Sample Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Temperature Reading:	2.4																	Zn Acetate+NaOH: Zn												
Total Containers:		Corrected Temperature:	2.2																	NaOH+Ascorbic Acid: SAPC												
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Chlorides	BTEX	TPH																	Sample Comments						
S-35	Soil	8/8/2022	10:30	0'	Comp	1	X	X	X																	Email analytics to: klavor@talonlpe.com						
																	mgomez@talonlpe.com															

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> 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
1 Nathanael Gomez	Dir Alf	8-17-22 15:18			
3					
5					



## Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-2767-1

SDG Number: 700794.295.01

Login Number: 2767

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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



## Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-2767-1

SDG Number: 700794.295.01

Login Number: 2767

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 08/19/22 10:36 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 151499

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 151499
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bhall	None	10/26/2022